

Federal Communications Commission

#### (REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility ID:	1	Service: DTV	Call Sign:	WFXT	Channel: 34 (UHF)
File	000002	7904			
Number:					
FRN: <b>00</b> 2	29118650	Date	11/08		
		Submitted:	/2018		

#### Applicant Name, Type, and Contact Information

#### Applicant 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 Ontact Name and Information

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

Broadcaster	Question	Response
Information and Transition Plan	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	Existing Transmitter Information				
Transmitter	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 and Type	Manufacturer			
		Model	DCX		
		Year	2004		
		Туре	Inductive Output Tube		
		IOT Power Type	Single		
		Power Capacity	25 kW		

### **Existing Transmitter Information**

Auxiliary	New Transmitter Costs				
Transmitter	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.		

#### Other Transmitter Costs

Auxiliary	Other Transmitter Costs					
Transmitter	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		
	UHF inside RF system including switching	Mask filter and accessories.		
	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.		

Primary	Existing Transmitter Information				
Transmitter	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		

### **Existing Transmitter Information**

Primary	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Primary (Main)	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	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 Other Transmitter Costs

Transmitter	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	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 Other Transmitter Cost Not Listed

Transmitter	Name	Description
	Replace generator transfer switch	Transfer switch replacement is necessary due to code compliance work noted in this section.

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.
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.
20 Ton HVAC for combiner	20 ton HVAC system to provide cooling of the combiner facility.
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.

Interim	New Transmitter Costs			
Transmitter	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	Other 7	Transmitter	Costs
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Transmitter	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 Other Transmitter Cost Not Listed Transmitter

nitter	Name	Description
	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.
	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.

208V Electrical distribution panel	New 208V panel and distribution for transmitter and related electronics
Studio to Transmitter Link	Cost to install and lease fiber STL for duration of operation and build backup microwave STL path.
Remote Control	System to allow remote control of the transmitter and associated equipment from the main studio location.
75kVA transformer	To convert 480V main power to 208V.

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information				
Antenna	Section	Question	Response		
	Existing Antenna	Type of change	Lease New		
	Description	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	New Antenna Costs				
Antenna	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 Manufacturer and Types	Class	Full Power		
		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	PEP56D		
	-				

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.

#### Other Antenna Costs

Primary Antenna

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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	7 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	New Antenna Costs				
Antenna	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 Manufacturer and Type	Class	Full Power		
		Mounting	Side Mount		
		Antenna position in stack	Not in Stack		
		Polarization	Horizontal		
		Туре	Slotted Coaxial		
		Number of Stations Supported	N/A		
		Number of Panels/Bays	N/A		
		Lower Limit	N/A		
		Upper Limit	N/A		
		Design power capacity in use	N/A		
		Other Antenna Type	N/A		
		ERP: (Effective Radiated Power)	300.0 kW		
		Manufacturer			
		Model	TFU-24WB- 1-R C170		

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		

Other Antenna Cost Not Listed

Interim Antenna

Information not provided.

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

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

**Existing Transmission Line** 

New Transmission Line Primary			
Transmissio	n Line 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	7 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.

Primary	Other Transmission Line Expenses Not Listed		
Transmissio	n Line	Description	
	Transmission line from transmitter to combiner	New transmission line to take the signal from the transmitter to the combiner.	

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

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

## **Existing Tower**

Primary	Existing Tower			
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 Structure Registration	Do you have a tower registration number?	Yes	
		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
23439	WBOS	FM
26897	WBMX	FM
9639	WODS	FM
1901	WBZ-FM	FM
73238	WLVI	DTV

# Primary Tower Modification Costs

# Tower

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

## Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	No

# Primary Tower

Primary Tower

Other Tower Expenses Not Listed		
Name	Description	
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,	
Ground and Building A and E Permit Drawing Package	The generation of a construction drawing package.	
Tower Permit Drawing Package	The generation of a construction drawing package.	

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 Services	Prepare and file Form FCC Construction Permit Application	Yes
		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

# Outside Other Professional Services Expenses Not Listed

Professional	Services Costs	Description	
	RF System Test	Testing of the combiner to ensure all frequencies are tuned for optimal patterns.	
	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	

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.

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Facility Expenses	Name	N/A
		Other Distributed Transmission System Expenses Not listed	N/A
		Name	N/A
		Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
	Permit and Filing Costs	Local Zoning	Yes
		Non-zoning permits	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 Not Listed

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 transmission 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.

#### Transmitters

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatio
Interim Transmitter ULXTE-24	\$1,060,974.79	\$694,180.89		\$625,173.09	
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
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

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
UHF inside RF system including switching	\$147,500.00	\$0.00	N/A	N/A	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

Primary Transmitter	\$1,955,351.97	\$1,557,535.14		\$504,163.19	
75kVA transformer	\$0.00	\$0.00	N/A	N/A	N/#
			implementation cost to cover computer equipment.		
2011101			increase in actual		
Remote Control	\$17,805.00	\$17,805.00	Updated cost due to	\$17,676.38	N/
			installation of the transmitter.		
			incurred for		
			that were directly		
			electrical costs		
			actual		
			was added to reflect WFXT's		
			budget item		
1			separate		
distribution panel			to zero from \$10,000. A		
Electrical			been reduced		
208V	\$0.00	\$0.00	This item has	N/A	N/
480V Electrical Sub-panel	\$10,000.00	\$10,000.00	ATC estimate	\$7,500.00	N/
system			not be required as expected.		
15 Ton	\$88,400.00	\$0.00	This item will	N/A	N/
and control systems.					
transmission					
Suppression, UPS for					
Surge					
Electrical Service:					

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	"Main ATC   INV_46020( and cos estimate 110718.pr replaces ; previous versions invoice num 46020013
20 Ton HVAC for combiner	\$22,000.00	\$22,000.00	N/A	\$16,500.00	"Main ATC   INV_46020( and cos estimate 110718.pr replaces ; previous versions invoice num 46020013
Replace 1000A-480V electrical service entrance wiring	\$17,500.00	\$17,500.00	N/A	N/A	N/A
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 1000A-480V switchgear	\$50,000.00	\$50,000.00	N/A	N/A	N/A
Replace generator transfer switch	\$22,000.00	\$22,000.00	N/A	N/A	N/A

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,108,196.29	N/A	\$360,253.92	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$6,236.88	This cost is for the equipment only. Installation costs will be included in wiring costs.	N/A	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
Other Building Addition Size: 1500.0	\$1,800.00	\$1,800.00	Partition walls for security. ATC supplied cost.	\$1,350.00	"Main ATC INV_46020 and cos estimat 110718.p replaces previou versions invoice nur 4602001
30 Ton system	\$166,000.00	\$158,000.00	N/A	\$96,991.00	N/A
Auxiliary Transmitter ULXTE-40	\$1,121,673.10	\$930,147.20		\$295,677.44	
208∨ 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
UHF inside RF system including switching	\$91,000.00	\$91,000.00	N/A	\$22,110.04	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	\$235,830.40	N/A
Sub-total	\$4,137,999.86	\$3,181,863.23	N/A	\$1,425,013.72	N/A
Total for all systems	\$6,609,731.86	\$4,745,295.23	N/A	\$2,404,908.22	N/A

# Components

Actual Information
Description File Name

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:	3/3 Progress
		payment on
		interim transmitter.
		Installation and
		proof will be billed
		on a fourth
		invoice. Quote
		added to invoice.
	Amount:	\$153,957.33
	Component Description:	1/3 down payment
	Component Decemption	on ULXTE-24
		Interim Transmitter
	Amount:	\$180,919.50
	Amount.	ψ100,513.00
	Common and Decovirtions	
	Component Description:	1/3 progress
		payment on
		interim transmitter.
	Amount:	\$183,460.50
Studio to Transmitter Link		
	Component Description:	Installation and
		operation cost of
		fiber link to feed
		WFXT signal from
		the studio to the
		transmitter site.
		The invoice covers
		the period from
		installation in
		Sept., 2018
		through the end of
		phase 4 operation.
		phase 4 operation.
	Amount:	\$17,265.63

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. \$20,474.98
UHF inside RF system including switching	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	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
	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
Other Electrical Service: Surge Suppression, UPS for transmission and control systems.	Information not provided.	
15 Ton system	Information not provided.	

480V Electrical Sub-panel		
	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.
	Amount:	\$2,500.00
	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
208V Electrical distribution panel	Information not provided.	
Remote Control		
	Component Description:	Software required
		for remote control
		of the interim transmitter.
	Amount:	\$12,249.90
	Component Description:	Client and server
	Somponent Description:	computers for
		transmitter remote
		control.
	Amount:	\$5,426.48

Ice Shield for HVAC equipment	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. \$2,000.00
	Component Description: Amount:	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. \$1,000.00

20 Ton HVAC for combiner		
	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. \$11,000.00
	Component Description:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A
	Component Description:	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. \$5,500.00
Replace 1000A-480V electrical service entrance wiring	Information not provided.	
UHF inside RF system including switching	Component Description: Amount:	1/3 down payment of mask filter and RF accessories \$26,068.27
208V distribution panel	Information not provided.	

Replace 1000A-480V switchgear	Information not provided.	
Replace generator transfer switch	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description: Amount:	1/3 down payment of main transmitte system \$360,253.92
Transformer 3 phase/480v - 150 KVA	Information not provided.	
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.	

Other Building Addition Size: 1500.0	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. \$900.00
	Component Description:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A
	Component Description:	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. \$450.00

30 Ton system		
	Component Description:	Deposit invoice for 30 ton HVAC system on main
	Amount:	transmitter. \$30,000.00
	Component Description:	Full cost of supplemental cooling required during
	Amount:	construction. \$1,965.00
	Component Description:	Final invoice for 30 ton HVAC system on main
	Amount:	transmitter. \$65,026.00
208V electrical distribution panel	Information not provided.	
480V Transformer 112.5kVA	Information not provided.	
UHF inside RF system including switching	Component Description:	1/3 of broken out mask filter and rf accessories costs
	Amount:	\$22,110.04
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 kW	Component Description:	1/3 down payment on transmitter
	Amount:	system. \$235,830.40

### Antennas

### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-24WB- 1-R C170	\$211,480.00	\$155,000.00		\$116,250.00	
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
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
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
Primary Antenna PEP56D	\$358,646.00	\$398,876.00		\$299,157.00	

New	\$84,200.00	\$135,400.00	Dual	\$101,550.00	Cost increase is
combiner,	·		chains of		due to intricate
cost per			mask filter		design of
channel			/combiner		shared
(without			modules		combiner
antenna)			per		system which
			Dielectric		will include
			layout.		mask filters for
			Includes		stations sharing
			input		the system.
			power		"Main ATC MS1
			dividers,		INV_460200136
			output		and cost
			switching,		estimate
			and		110718.pdf"
			eliminates		replaces all
			need for		previous
			mask filters.		versions of
					invoice number
					460200136.
Combiner	\$7,000.00	\$7,000.00	Cost	\$5,250.00	"Main ATC MS1
nstallation			provided		INV_460200136
			by ATC as		and cost
			part of the		estimate
			main site		110718.pdf"
			project.		replaces all
			WFXT will		previous
			be the		versions of
			primary		invoice number
			user.		460200136.
			WCVB,		
			WBZ,		
			WSBK,		
			and WGBX		
			will be		
			interim/aux users.		
	¢12.000.00	¢c 000 00		¢4.005.00	"Main ATO MO4
Elbow	\$13,900.00	\$6,660.00	Updated	\$4,995.00	"Main ATC MS1
complex,			cost		INV_460200136
single			provided		and cost
channel, at			by ATC.		estimate
antenna					110718.pdf"
input, per 7					replaces all
3/16.					previous
eedline (if					versions of
needed)					invoice number
					460200136.

Sweep test of existing antenna	\$6,730.00	\$3,000.00	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.	\$2,250.00	"Main ATC MS1 INV_460200136 and cost estimate 110718.pdf" replaces all previous versions of invoice number 460200136.
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 and pricing of antenna.	\$185,112.00	"Main ATC MS1 INV_460200136 and cost estimate 110718.pdf" replaces all previous versions of invoice number 460200136.
Sub-total	\$570,126.00	\$553,876.00	N/A	\$415,407.00	N/A
Total for all systems	\$6,609,731.86	\$4,745,295.23	N/A	\$2,404,908.22	N/A

# Components

Actual Information	
Description	File Name

Elbow complex, single channel, at antenna input,		
per 8 3/16. feedline (if needed)	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
	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
Sweep test of existing		
antenna	Component Description:	25% at billing milestone 1, line 3-
		C-2 sweep test of existing line in
		ATC project cost
		estimate section III.B.2 Antenna
	Amount:	Changes. \$1,250.00
	Component Description:	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.
	Amount:	\$2,500.00

UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally polarized	Component Description:	25% at billing milestone 1, line 3- B in ATC project cost estimate section III.B.2 Antenna Changes.
	Amount:	\$34,500.00
	Component Description:	50% at billing
		milestone 2, line 3- B in ATC project
		cost estimate
		section III.B.2
		Antenna Changes.
	Amount:	\$69,000.00

New combiner, cost per		
channel (without antenna)	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: Amount:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A
	Component Description:	Milestone 1 (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:	\$33,850.00

Combiner installation		
	Component Description: Amount:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A
	Component Description:	Milestone 1 (of 3) payment for our portion of the combiner installation at multi- user Main Site. This is line 3-C-2 Combiner Installation in the project cost estimate section III.B.2 Antenna Changes. \$1,750.00
	Component Description:	Milestone 2 (of 3) payment for our portion of the combiner installation at multi- user 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

Elbow complex, single		
abannal of antanger - in a st		
channel, at antenna input, per 7 3/16. feedline (if needed)	Component Description:	Milestone 1 (of 3) payment for our portion of multi- user elbow complex at broac band 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:	\$1,665.00
	Component Description:	Milestone 2 (of 3) payment for our portion of multi- user elbow complex at broad band 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. \$3,330.00
	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:	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. \$1,500.00
		÷,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Component Description:	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

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 multi- user 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. \$123,408.00
	Component Description:	Milestone 1 (of 3) payment for our portion of multi- user 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. \$61,704.00
	Component Description: Amount:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A

### **Transmission Line**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$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	\$872,500.00	\$280,000.00		\$180,000.00	
Rigid Transmission Line - copper, 7 3 /16" broadband	\$832,500.00	\$240,000.00	Updated cost provided by ATC.	\$180,000.00	"Main ATC MS INV_46020013 and cost estimate 110718.pdf" replaces all previous versions of invoice numbe 460200136.
Transmission line from transmitter to combiner	\$40,000.00	\$40,000.00	N/A	N/A	N/A
Sub-total	\$904,420.00	\$310,320.00	N/A	\$180,000.00	N/A
Total for all systems	\$6,609,731.86	\$4,745,295.23	N/A	\$2,404,908.22	N/A

# Components

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 8 3/16" broadband	Information not provided.	
Rigid Transmission Line - copper, 7 3/16" broadband	Component Description:	Milestone 2 (of 3) 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.
	Amount:	\$120,000.00
	Component Description:	Milestone 1 (of 3) 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. \$60,000.00
	Component Description:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant
	Amount:	submissions. N/A
Transmission line from transmitter to combiner	Information not provided.	

# **Tower Equipment and Rigging Costs**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$618,700.00	\$337,240.00		\$252,930.00	
Construction project management	\$4,000.00	\$4,000.00	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.	\$3,000.00	"Main ATC MS INV_4602001 and cost estimate 110718.pdf' replaces all previous versions of invoice numb 460200136
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$176,400.00	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.	\$132,300.00	"Main ATC MS INV_4602001 and cost estimate 110718.pdf' replaces all previous versions of invoice numb 460200136

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$7,440.00	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.	\$5,580.00	"Main ATC M INV_4602001 and cost estimate 110718.pdf' replaces all previous versions of invoice numb 460200136
Tower Permit Drawing Package	\$4,700.00	\$4,700.00	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.	\$3,525.00	"Main ATC MS INV_4602001 and cost estimate 110718.pdf' replaces all previous versions of invoice numb 460200136

Ground and Building A and E Permit Drawing Package	\$4,700.00	\$4,700.00	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.	\$3,525.00	"Main ATC MS INV_4602001 and cost estimate 110718.pdf" replaces all previous versions of invoice numb 460200136
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 increase after review ( tower and wo required to install broac band antenn on this share use site. "Ma ATC MS1 INV_4602001 and cost estimate 110718.pdf' replaces all previous versions of invoice numb 460200136
Sub-total	\$618,700.00	\$337,240.00	N/A	\$252,930.00	N/A
Total for all	\$6,609,731.86	\$4,745,295.23	N/A	\$2,404,908.22	N/A

systems

### Components

Actual Information	
Description	File Name

Construction project		
Construction project management	Component Description:	Milestone 1 (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
	Amount:	Management in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs. \$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
	Amount:	Rigging Costs. \$2,000.00

for example, those with candelabras and/or stacked antennas)	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 II B.2 Tower Equipment and Rigging Costs.
	Amount:	\$88,200.00
	Component Description:	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 II B.2 Tower Equipment and Rigging Costs. \$44,100.00
	Component Description:	This cost component line is unnecessary due to unlocking of invoice to make
		corrections to initia

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A
	Component Description:	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. \$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. \$3,720.00

Tower Permit Drawing		
Package	Component Description:	Milestone 1 (of 3) payment for our portion of tower permit drawing package at multi- user 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:	\$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 tower permit drawing package at multi- user 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

Ground and Building A and		
E Permit Drawing Package	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
	Component Description:	Milestone 1 (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. \$1,175.00
	Component Description: Amount:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A

Minor tower reinforcement		
/modifications	Component Description:	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 the project cost estimate section III. B.2 Tower Equipment and Rigging Costs. \$35,000.00
	Allount	400,000.00
	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. \$70,000.00
	Component Description:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.
	Amount:	N/A

# **Outside Professional Services**

### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Outside Professional Services	\$186,095.00	\$170,210.00		\$29,595.00	
RF System Test	\$5,000.00	\$5,000.00	Updated reduced cost based on revised estimate from ATC.	\$3,750.00	Budget w reduced fi initial 39 submission to a revis cost estim "Main ATC INV_46020 and cos estimate 110718.p replaces previou versions invoice nur 4602001
Site Coordination Meeting	\$2,500.00	\$2,500.00	Updated cost based on actual coordination meeting cost.	\$1,875.00	"Main ATC INV_46020 and cos estimat 110718.p replaces previou versions invoice nur 4602001

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	"Main ATC INV_46020 and cos estimat 110718.p replaces previou versions invoice nu 4602001
Project management of the transition	\$15,010.00	\$18,960.00	Cost for management of both the interim and main tower projects.	\$14,220.00	"Main ATC INV_46020 and cos estimat 110718.p replaces previou versions invoice nur 4602001
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$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	"Main ATC INV_46020 and cos estimat 110718.p replaces previou versions invoice nur 4602001

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	"Main ATC INV_4602 and co estima 110718. replace previo version invoice nu 460200
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	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	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 - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	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	N/A	N/A
Prepare request for Special Temporary Authorization	\$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/ <i>i</i>
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$3,000.00	Updated cost provided by ATC.	\$2,250.00	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

Total for all	\$6,609,731.86	\$4,745,295.23	N/A	\$2,404,908.22	N/A
Sub-total	\$186,095.00	\$170,210.00	N/A	\$29,595.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application					

## Components

Actual Information Description	File Name	
RF System Test		
	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 1 (of 2)
	Component Description:	Milestone 1 (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:	\$1,250.00
		ψ1,200.00
	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
Site Coordination Meeting		

Component Description:	Milestone 2 (of 3) payment for our portion of coordination meeting for multi- user Main Site. This is line 1-B-1 Site Coordination Meeting in the project cost estimate section III. B.5 Outside Professional Services. \$1 250 00
Amount:	\$1,250.00
Component Description: Amount:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. 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

Component Description:	Milestone 1 (of 3) payment for our portion of coordination meeting for multi- user Main Site. This is line 1-B-1 Site Coordination Meeting in the project cost estimate section III. B.5 Outside Professional Services.
Amount:	\$625.00

Environmental Assessment, if triggered by NEPA		
Section 106 review or for certain structures over 450 feet	Component Description:	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 II
		B.5 Outside
		Professional Services.
	Amount:	\$1,250.00
	Component Description:	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 II B.5 Outside
		Professional
	Amount:	Services. \$625.00
Project management of the		
transition		

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. \$2,370.00
Component Description:	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. \$2,370.00
Component Description: Amount:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A

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. \$4,740.00
Component Description:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A
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

Address transition timing and coordination issues w/ other stations and wireless	Component Description:	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 and Coordination in the project cost estimate section III. B.5 Outside Professional Services. \$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

ATC Perform engineering study for new channel assignment and antenna development	Component Description:	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 Study in the project cost estimate section III B.5 Outside Professional Services. \$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 Study in the project cost estimate section III B.5 Outside Professional Services. \$2,500.00
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	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.

Perform engineering study for new channel assignment and antenna development	Component Description:	25% at billing milestone 1, line 1- A-2 in ATC project cost estimate section III.B.5 Outside Professional Services. \$750.00
	Component Description:	50% at billing milestone 2, line 1- A-2 in ATC project cost estimate section III.B.5 Outside Professional Services. \$1,500.00
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.	
Prepare and or review reimbursement form	Information not provided.	

### **Other Expenses**

### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Other Expenses	\$192,391.00	\$191,786.00		\$101,962.50	
Main Site Public Hearing	\$400.00	\$400.00	Cost for representation at any required public hearings.	\$300.00	"Main ATC INV_4602( and co estima 110718. replaces previou versions invoice nu 460200 <sup>-</sup>
Main Site Security During Install	\$3,600.00	\$3,600.00	Cost to provide security of construction supplies and equipment.	\$2,700.00	"Main ATC INV_4602( and co estima 110718. replaces previou versions invoice nu 460200 <sup>2</sup>
Main Site Asbestos and Lead Tests	\$1,800.00	\$1,800.00	Cost for testing of any material required during construction.	\$1,350.00	"Main ATC INV_4602( and co estima 110718.  replaces previou versions invoice nu 460200 <sup>2</sup>

Equipment Delivery and Handling Charges	\$3,000.00	\$3,000.00	ATC estimated \$3,000 for Main site	\$2,250.00	"Main ATC INV_46020 and co estima 110718.j replaces previou versions invoice nu 4602007
Local Zoning	\$750.00	\$750.00	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.	\$375.00	"Main ATC INV_4602( and co estima 110718.j replaces previou versions invoice nu 4602007
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	"Main ATC INV_4602( and co estima 110718.j replaces previou versions invoice nu 460200 <sup>7</sup>
Interim Site Nitrogen System Upgrade	\$3,000.00	\$3,000.00	ATC provided cost for site shared nitrogen generation system.	N/A	N/A
Interim Site transition timing and coordination	\$2,000.00	\$2,000.00	N/A	\$1,500.00	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

N/ <i>A</i>	N/A	N/A	\$15,000.00	\$15,000.00	Develop and air announcement of upcoming channel change
N/A	N/A	External locked storage container to store equipment during construction.	\$8,000.00	\$8,000.00	Equipment Storage
"Main ATO INV_4602 and co estima 110718 replace previc version invoice no 460200	\$3,750.00	\$5,000 ATC estimate, plus \$15,000 estimate for recycling and removal of oil- filled power supplies, tubes, and other equipment.	\$20,000.00	\$20,000.00	Disposal Costs (for equipment and other waste, net of any salvage value)
N/A	N/A	N/A	\$190.00	\$195.00	FCC Filing Fees - Special Temporary Authorization request
N/A	N/A	N/A	\$325.00	\$335.00	FCC Filing Fees - Form 2100 license to cover application
N/A	N/A	N/A	\$11,000.00	\$11,550.00	DTV Medical Facility Notification
N/A	N/A	N/A	\$1,070.00	\$1,110.00	FCC Filing Fees - Form 2100 minor change CP application
N/A	\$24,750.00	N/A	\$33,000.00	\$33,000.00	Interim Site Tower Rigging

Main Site Nitrogen System	\$3,000.00	\$3,000.00	ATC provided cost for site shared nitrogen generation system.	\$2,250.00	A nitrog generator added to project sc after initia submissio
					to a proj oversigh ATC. "M ATC M:
					INV_4602( and co estima 110718.j
					replaces previou versions
					invoice nu 460200 <sup>7</sup>
Sub-total	\$192,391.00	\$191,786.00	N/A	\$101,962.50	N/A
Total for all systems	\$6,609,731.86	\$4,745,295.23	N/A	\$2,404,908.22	N/A

# Components

Actual Information	
Description	File Name

Main Site Public Hearing		
	Component Description:	ATC Milestone 2 invoice line 1-B-1 public hearing in the project cost estimate section III. B.6 Other Expenses. \$200.00
	Component Description:	ATC Milestone 1 invoice line 1-B-1 public hearing in the project cost estimate section III. B.6 Other Expenses.
	Amount:	\$100.00
Main Site Security During Install	Component Description:	ATC Milestone 1 invoice line 1-B-1 Site Security during construction in the project cost estimate section III.
	Amount:	B.6 Other Expenses. \$900.00
	Component Description:	ATC Milestone 2 invoice line 1-B-1 Site Security during construction in the project cost estimate section III.
	Amount:	B.6 Other Expenses. \$1,800.00

Main Site Asbestos and Lead Tests	Component Description:	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
	Amount:	Other Expenses. \$900.00
	Component Description:	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
	Amount:	\$450.00

Equipment Delivery and		
Handling Charges	Component Description:	Milestone 1 (of 3) payment for our portion of ATC equipment handling and delivery at multi- user 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:	Milestone 2 (of 3) payment for our portion of ATC equipment handling and delivery at multi- user Main Site. This is line 1-A-4 Equipment Delivery in the project cost estimate section III. B.6 Other Expenses. \$1,500.00
		φ1,000.00
	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: Amount:	Milestone 2 (of 3 payment for our portion of buildin permits at multi- user Main Site. This is line 1-A-3 Obtain Building Permits in the project cost estimate section B.6 Other Expenses. \$375.00
Component Description:	Milestone 1 (of 3 payment for our portion of buildin permits at multi- user Main Site. This is line 1-A-3 Obtain Building Permits in the project cost estimate section B.6 Other Expenses. \$187.50
Component Description:	This cost component line i unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Local Zoning

Main Site Structural Engineering Study	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. \$2,850.00
	Component Description:	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 Rigging Costs. \$1,425.00
Interim Site Nitrogen System Upgrade	Information not provided.	

Interim Site transition 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 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
	Amount:	and Rigging Costs. \$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. \$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

Interim Site RF System Test		
	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:	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
Interim Site Public Hearing	Component Description:	50% at billing milestone 2, line 1- B-1 Public Hearing in ATC project cost estimate section III.B.6 Other Expenses.
	Amount:	\$120.00
	Component Description:	25% at billing milestone 1, line 1- B-1 Public Hearing in ATC project cost estimate section III.B.6
		Other Expenses.

Interim Site Lease		
	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. \$14,400.00
	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. \$28,800.00

Interim Site Ground and		
Duilding Demoit De		
Building Permit Drawings	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. \$1,175.00
		¢.,
	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. \$2,350.00
	Component Description:	25% at billing milestone 1, line 1- A-4 in ATC project cost estimate section III.B.6 Other Expenses.
	Component Description:	milestone 1, line 1- A-4 in ATC project cost estimate section III.B.6
Interim Site Equipment Delivery and Handling Costs		milestone 1, line 1- A-4 in ATC project cost estimate section III.B.6 Other Expenses.

nterim 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
	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
MVPD Notification of Channel Change	Information not provided.	

Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	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. \$2,500.00
	Amount.	\$2,500.00
	Component Description:	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. \$1,250.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	

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. \$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
Main Site Nitrogen System		
	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
	Component Description:	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.
	Amount:	\$750.00

Cost	Grand Total			
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$6,609,731.86	\$4,745,295.23	\$2,404,908.22

Reimbursem	entestiatus	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.	
		<ol> <li>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.</li> <li>The above-named</li> </ol>	
		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).
- 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.	Sean Anker Director of Engineering 11/08/2018

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).	
		<ol> <li>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.</li> </ol>	
		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).
- 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.

<ul> <li>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</li> <li>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</li> </ul>		
an aut	obtaining the payments herein requested. are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s)	Sean Anker Director of
	ied above.	Engineering 11/08/2018

#### Attachments