



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **65684** | Service: **DTV** | Call **WCVB-TV** | Channel: **33 (UHF)** |  
ID: | Sign:  
File **0000026707**  
Number:  
FRN: **0001587583** | Date **04/21**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>Hearst Stations Inc.</b>	Corporation 150 Fayetteville Street Suite 1700 Raleigh, NC 27601 United States	+1 (919) 839- 0300	shartzell@brookspierce. com	Corporation

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

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

## Broadcaster Information and Transition Plan

Question	Response
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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	see attached transition plan document

## Transmitters

Section	Question	Response
<b>Transmitter Related Expenses</b>	Do you have transmitter related expenses?	Yes

## Auxiliary Transmitter

### Existing Transmitter Information

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Retune Existing
	Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	Harris
	Model	Maxiva UAX-2000AT
	Year	2013
	Type	Solid State

	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.5 kW

## Auxiliary Transmitter

### Retuning Transmitter Costs

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	3 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

## 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	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A

<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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**  
Information not provided.

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Sigma CD2200P2
	Year	1998
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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-90
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	56.4 kW
	Justification for New Transmitter	Existing IOT transmitter cannot be converted to post-transition channel, see GatesAir EOL and HTV IOT to Solid-State Justification statements. An IOT replacement is more expensive than proposed SS transmitter. See attached Comark IOT Transmitter quote.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	transmitter installation electrical service
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
Transmitter de-install	remove old transmitter
Shipping	transmitter shipping
Additional RF components	Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote.
Electrical Accessories	manufacturer required surge protection
Sales Tax	transmitter sales tax



**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-90
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	56.4 kW
	Justification for New Transmitter	transmitter needed to make the transition to post-transition channel

**Interim  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	4 inches
	Length	150.0 feet
	Other Electrical Service	Yes

	Description	transmitter installation electrical service
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	20 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	1000.0 square feet
<b>Channel 14 Costs</b>	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
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	No

**Interim  
Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>Sales Tax</b>	transmitter sales tax
<b>Ice shield</b>	ice shield for HVAC equipment per ATC
<b>500 KVA Transformer</b>	transformer per ATC
<b>New electrical sub-panels</b>	electrical panels per ATC
<b>Studio-to-Transmitter Link</b>	STL equipment to support interim transmitter
<b>Shipping</b>	transmitter shipping
<b>Electrical Accessories</b>	manufacturer required surge protection

<b>Additional RF components</b>	Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote.
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**Antennas**

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

**Auxiliary  
Antenna****Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	backup to main antenna
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A

Lower Limit	N/A
Upper Limit	N/A
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	200.0 kW
Manufacturer	Dielectric
Model	TLP-16M (C)
Year	2013

### Auxiliary Antenna

#### Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	No

### Auxiliary Antenna

#### Other Antenna Costs

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

### Auxiliary Antenna

#### Other Antenna Cost Not Listed

Information not provided.

## Primary Antenna

### Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Lease New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	American Tower Corp.
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels	60
	Design power capacity in use	87.1 %
	Lower Limit	500.00 MHz
	Upper Limit	660.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	625.0 kW

	Manufacturer	
	Model	TAD24UDA-5/60
	Year	1999

**Facility ID's and Call Signs of all stations with whom the antenna is shared.**

Facility ID	Call Sign
25456	WBZ-TV
72098	WGBX-TV
73982	WSBK-TV

**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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 Inc.
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels/Bays	14
	Lower Limit	480.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	80.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	907.0 kW
	Manufacturer	



Model	TUM-AP-O4-14/56H-2-T
Year	2018
Justification for New Antenna	no justification provided by American Tower

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	4
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	8 3/16 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number
20
21
32
33

Primary  
Antenna

Other Antenna Cost Not Listed

Name	Description
Side Mount Brackts	added due to ATC documentation
Combiner Installation	WCVB portion of combiner installation cost

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Ownership	Leased
	Owner	American Tower Inc
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	5
	Number of Panels/Bays	14
	Lower Limit	480.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	85.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	907.0 kW
	Manufacturer	
	Model	TUM-AP-O4-14/56H-2-T

	Year	2018
	Justification for New Antenna	required for move to post-transition channel

## Interim Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	8 3/16 inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number

20
21
32
33
34

Interim  
Antenna

Other Antenna Cost Not Listed

Name	Description
Combiner installation	WCVB portion of combiner installation cost

**Transmission Line**

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

**Primary Transmission Line****Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	American Tower Corp.
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1469 feet per run

**Facility ID's and Call Signs of all stations with whom the transmission line is shared.**

Facility ID	Call Sign
72098	WGBX-TV
25456	WBZ-TV
73982	WSBK-TV

**Primary Transmission Line** **Other Transmission Line Expenses Not Listed**

Name	Description
Line Refurbish	This cost is to refurbish two (2) existing 8-3 /16" transmission lines to be utilized by both the new top mount antenna & side mounted antennas per ATC documentation.

**Auxiliary Transmission Line** **Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary /Backup
	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	Myat
	Type	Flexible Air
	Diameter	3 inches

Other Diameter	N/A
Segment Length	N/A
Other Segment Length	N/A
Number of parallel runs	1
Length	616 feet per run

**Auxiliary Transmission Line**      **Other Transmission Line Expenses Not Listed**  
Information not provided.

**Interim Transmission Line**      **New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Type	Rigid
	Diameter	8 3/16 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	2
	Length	1250 feet per run
	Justification for New Transmission Line	required for interim antenna

**Interim Transmission Line**      **Other Transmission Line Expenses Not Listed**  
Information 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

**Auxiliary Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Interim
	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	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1004233
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 18' 10.7" N-
	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
1901	WBZ-FM	FM
26897	WWBX	FM
9639	WODS	FM
73238	WLVI	DTV
6463	WFXT	DTV

**Other Types of Users**

Users
W243DC

**Auxiliary  
Tower**

**Tower Modification Costs**

Section	Question	Response
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
<b>Tower Reinforcements</b>	Please select whether tower reinforcements are needed:	Major Reinforcements

needed

**Auxiliary  
Tower**

**Tower Rigging Costs**

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

**Auxiliary  
Tower**

**Other Tower Expenses Not Listed**

Name	Description
Ground and Building A-E Permit Drawing Package	The generation of a construction drawing package per attached ATC documentation.
Tower Permit Drawing Package	The generation of a construction drawing package per attached ATC documentation.
Tower Modification PM	Tower modification and RF installation project management per attached ATC documentation.

## Primary Tower

### Existing Tower

Section	Question	Response
<b>Existing Tower Description</b>	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes
	ASR Number	1003433
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)	42° 18' 37.0" N-
	Longitude (NAD83)	071° 14' 12.0" W-
	Overall Structure Height	1296.24 feet
	Support Structure Height	1192.24 feet
	Ground Elevation Above Mean Sea Level (AMSL)	152.89 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	American Tower, LLC
	Date Constructed	01/01/1957

**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
25456	WBZ-TV	DTV
68241	WBUR-FM	FM
18783	WYDN	DTV
72099	WGBH-TV	DTV
73982	WSBK-TV	DTV
10542	WKLB-FM	FM
72098	WGBX-TV	DTV

#### Other Types of Users

Users
WBTS-LD

#### 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
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<b>Tower Rigging Costs</b>	Complex Tower	Candelabra
<b>Helicopter Services Required</b>	Are helicopter services required?	No

**Primary  
Tower**

**Other Tower Expenses Not Listed**

<b>Name</b>	<b>Description</b>
<b>Tower Permit Drawing Package</b>	Tower Permit Drawing Package per attached ATC documentation
<b>Tower Modification PM</b>	Modification project management and RF installation project management per attached ATC documentation
<b>Ground and Building A-E Permit Drawing Package</b>	The generation of a construction drawing package for one (1) broadcasters /customers.

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	95
	Explanation	ATC project management fee. Scheduling and management of timelines and schedules occurring during repack. See attached ATC documentation.
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting</b>	Prepare and file Form FCC Construction Permit Application	Yes

<b>Services</b>	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	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

Name	Description
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RF System Test



	Testing of the combiner to ensure all frequencies are tuned for optimal patterns per attached ATC documentation.
<b>Repack Consulting</b>	Repack Consulting Services
<b>Site Coordination Meeting</b>	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 per attached ATC documentation.
<b>Transmitter Site Survey</b>	Transmitter planning survey & transmitter building drawings
<b>Non-Catalog legal expenses</b>	Non-Catalog expenses for legal advice and services, including financial/reimbursement review, transition reporting, transition procedures, and other transition-related issues

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	No
	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
<b>ATC one-time tower rental</b>	ATC have 5 repack station and 2 phases on two different towers in the Boston DMA. See ATC documentation.
<b>Security</b>	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 per ATC documentation.
<b>Testing for Asbestos and Lead Paint</b>	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 per ATC documentation
<b>Nitrogen Generator upgrade</b>	nitrogen generator upgrade
<b>Public Hearing</b>	Public hearing to alter height of tower due to antenna change

## Cost Information

### Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter ULXTE-90	\$2,429,019.85	\$1,846,599.85		\$1,547,386.09	
Studio-to-Transmitter Link	<i>\$109,697.00</i>	\$109,697.00	STL required to support interim transmitter. See attached quote.	\$80,662.57	N/A
Additional RF components	<i>\$59,558.85</i>	\$59,558.85	Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote section C. RF Accessories.	\$59,558.85	N/A
Electrical Accessories	<i>\$1,943.00</i>	\$1,943.00	manufacturer required surge protection	\$1,942.49	N/A
Shipping	<i>\$13,500.00</i>	\$13,500.00	transmitter shipping per attached GatesAir quote	N/A	N/A
New electrical sub-panels	<i>\$10,000.00</i>	\$10,000.00	per ATC documentation	\$7,500.00	N/A
500 KVA Transformer	<i>\$9,200.00</i>	\$9,200.00	per ATC documentation	\$6,900.00	N/A

Ice shield	<b>\$4,000.00</b>	\$4,000.00	per ATC documentation	\$3,000.00	N/A
20 Ton system	\$115,500.00	\$22,000.00	N/A	\$16,500.00	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,379,222.00	GatesAir quote sections A, B & E. This is the transmitter, mask filter, installation and proof per the FCC "transmitter" definition. See attached Transmitter TPO Justification.	\$1,229,879.18	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$2,740.00	per ATC documentation	\$2,055.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$7,260.00	per ATC documentation	\$5,445.00	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$11,488.00	***System Notice: Estimate adjusted and locked because line has been superseded.***	\$11,488.00	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$15,150.00	\$2,920.00	Both 2" and 4" conduit per ATC documentation	\$2,190.00	N/A
Other -- Building Addition	<b>\$1,800.00</b>	\$1,800.00	per ATC documentation	\$1,350.00	N/A

Size: 1000.0					
Sales Tax	<b>\$91,271.00</b>	\$91,271.00	transmitter sales tax per attached GatesAir quote	N/A	N/A
Other Electrical Service: transmitter installation electrical service	<b>\$120,000.00</b>	\$120,000.00	interim transmitter installation electrical service per attached quote	\$118,915.00	N/A
<b>Primary Transmitter ULXTE-90</b>	<b>\$2,096,317.00</b>	<b>\$1,662,227.00</b>		<b>\$1,063,960.96</b>	
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,379,222.00	GatesAir quote sections A, B & E. This is the transmitter, mask filter, installation and proof per the FCC "transmitter" definition. See attached Transmitter TPO Justification.	\$1,011,840.96	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$11,488.00	N/A	N/A	N/A
Additional RF components	<b>\$85,256.00</b>	\$85,256.00	Additional RF components required for transmitter operation and integration into current RF environment per GatesAir	N/A	N/A

			quote section C. RF Accessories.		
Electrical Accessories	<b>\$1,943.00</b>	\$1,943.00	manufacturer required surge protection	N/A	N/A
Sales Tax	<b>\$93,918.00</b>	\$93,918.00	transmitter sales tax per attached GatesAir quote	N/A	N/A
Transmitter de-install	<b>\$24,780.00</b>	\$24,780.00	remove existing transmitter	N/A	N/A
Shipping	<b>\$13,500.00</b>	\$13,500.00	transmitter shipping per attached GatesAir quote	N/A	N/A
Other Electrical Service: transmitter installation electrical service	<b>\$52,120.00</b>	\$52,120.00	transmitter installation electrical service per quote	\$52,120.00	N/A
<b>Auxiliary Transmitter Maxiva UAX- 2000AT</b>	<b>\$109,355.00</b>	<b>\$0.00</b>		<b>\$0.00</b>	
3 kW mask filter	\$4,155.00	\$0.00	N/A	N/A	N/A
UHF and VHF - minor banding issues	\$105,200.00	\$0.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$4,634,691.85</b>	<b>\$3,508,826.85</b>	N/A	<b>\$2,611,347.05</b>	N/A
<b>Total for all systems</b>	<b>\$10,172,673.85</b>	<b>\$5,037,906.60</b>	N/A	<b>\$3,188,666.96</b>	N/A

## Components

Actual Information	
Description	File Name
Studio-to-Transmitter Link	<div> <div>Component Description:</div> <div>WCVB interim STL dish ice shield</div> </div> <div> <div>Amount:</div> <div>\$2,623.52</div> </div>
	<div> <div>Component Description:</div> <div>WCVB interim STL radios 1</div> </div> <div> <div>Amount:</div> <div>\$65,624.20</div> </div>
	<div> <div>Component Description:</div> <div>WCVB interim STL radios 3</div> </div> <div> <div>Amount:</div> <div>\$3,465.00</div> </div>
	<div> <div>Component Description:</div> <div>WCVB interim STL dish installation</div> </div> <div> <div>Amount:</div> <div>\$4,600.00</div> </div>
	<div> <div>Component Description:</div> <div>WCVB interim STL radios 2</div> </div> <div> <div>Amount:</div> <div>\$3,519.88</div> </div>
	<div> <div>Component Description:</div> <div>WCVB interim STL ice shield mounting pole</div> </div> <div> <div>Amount:</div> <div>\$829.97</div> </div>
Additional RF components	<div> <div>Component Description:</div> <div>WCVB aux transmitter RF accessories</div> </div> <div> <div>Amount:</div> <div>\$59,558.85</div> </div>
Electrical Accessories	



	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WCVB aux surge suppressor</div> <div>\$1,942.49</div> </div>
Shipping	Information not provided.
New electrical sub-panels	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WCVB electrical sub-panels milestone 1</div> <div>\$2,500.00</div> </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WCVB electrical sub-panels milestone 2</div> <div>\$5,000.00</div> </div>
500 KVA Transformer	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WCVB 500KVA transformer milestone 1</div> <div>\$2,300.00</div> </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WCVB 500KVA transformer milestone 2</div> <div>\$4,600.00</div> </div>
Ice shield	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WCVB HVAC ice shield milestone 2</div> <div>\$2,000.00</div> </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WCVB HVAC ice shield milestone 1</div> <div>\$1,000.00</div> </div>
20 Ton system	

	<b>Component Description:</b>	WCVB HVAC milestone 1
	<b>Amount:</b>	\$5,500.00
	<b>Component Description:</b>	WCVB HVAC milestone 2
	<b>Amount:</b>	\$11,000.00
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	<b>Component Description:</b>	WCVB interim transmitter prior to ship
	<b>Amount:</b>	\$463,441.41
	<b>Component Description:</b>	WCVB GatesAir Interim Transmitter 2nd deposit
	<b>Amount:</b>	\$338,551.86
	<b>Component Description:</b>	WCVB GatesAir Interim transmitter 1st deposit
	<b>Amount:</b>	\$182,973.87
	<b>Component Description:</b>	WCVB aux transmitter change order 2
	<b>Amount:</b>	(\$15,768.24)
	<b>Component Description:</b>	WCVB aux transmitter delivery
	<b>Amount:</b>	\$260,680.28
Service entrance 3 phase /800 amp/208 volt		

	<b>Component Description:</b>	WCVB service entrance 800 amp milestone 1
	<b>Amount:</b>	\$685.00
	<b>Component Description:</b>	WCVB service entrance 800 amp milestone 2
	<b>Amount:</b>	\$1,370.00
Switchgear - industrial 800 amp	<b>Component Description:</b>	WCVB switchgear milestone 1
	<b>Amount:</b>	\$1,815.00
	<b>Component Description:</b>	WCVB switchgear milestone 2
	<b>Amount:</b>	\$3,630.00
Transformer 3 phase/480v - 300 KVA	<b>Component Description:</b>	WCVB aux transmitter transformer
	<b>Amount:</b>	\$11,488.00
4" Rigid Conduit and Wiring (Cost per foot)	<b>Component Description:</b>	WCVB conduit and wiring milestone 2
	<b>Amount:</b>	\$1,460.00
	<b>Component Description:</b>	WCVB conduit and wiring milestone 1
	<b>Amount:</b>	\$730.00
Other -- Building Addition Size: 1000.0		

	<div> <div> <b>Component Description:</b> </div> <div> WCVB building addition milestone 1 </div> </div> <div> <b>Amount:</b> </div> <div> \$450.00 </div>
	<div> <div> <b>Component Description:</b> </div> <div> WCVB building addition milestone 1 </div> </div> <div> <b>Amount:</b> </div> <div> \$900.00 </div>
Sales Tax	Information not provided.
Other Electrical Service: transmitter installation electrical service	<div> <div> <b>Component Description:</b> </div> <div> WCVB interim transmitter electrical installation 1 </div> </div> <div> <b>Amount:</b> </div> <div> \$118,915.00 </div>
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	<div> <div> <b>Component Description:</b> </div> <div> WCVB main transmitter 1/3 prior to shipment </div> </div> <div> <b>Amount:</b> </div> <div> \$486,062.30 </div> <div> <div> <b>Component Description:</b> </div> <div> WCVB GatesAir Main transmitter 2nd deposit </div> </div> <div> <b>Amount:</b> </div> <div> \$338,551.86 </div> <div> <div> <b>Component Description:</b> </div> <div> WCVB GatesAir Main transmitter 1st deposit </div> </div> <div> <b>Amount:</b> </div> <div> \$187,226.80 </div>
Transformer 3 phase/480v - 300 KVA	Information not provided.
Additional RF components	Information not provided.
Electrical Accessories	Information not provided.

Sales Tax	Information not provided.
Transmitter de-install	Information not provided.
Shipping	Information not provided.
Other Electrical Service: transmitter installation electrical service	<div> <div> <b>Component Description:</b> </div> <div> WCVB main transmitter electrical installation 1 </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$52,120.00 </div> </div>
3 kW mask filter	Information not provided.
UHF and VHF - minor banding issues	Information not provided.

## 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 TUM-AP-O4-14/56H-2-T	\$196,667.00	\$231,847.00		\$173,885.25	
UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized	\$76,787.00	\$76,787.00	WCVB portion of interim antenna cost. See ATC Documentation.	\$57,590.25	N/A
Sweep test of existing antenna	\$6,730.00	\$3,000.00	N/A	\$2,250.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$135,400.00	cost per ATC documentation	\$101,550.00	N/A
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$18,950.00	\$6,660.00	N/A	\$4,995.00	N/A
Combiner installation	\$10,000.00	\$10,000.00	WCVB portion of combiner	\$7,500.00	N/A

			installation. See ATC Documentation.		
<b>Primary Antenna TUM-AP- O4-14/56H- 2-T</b>	<b>\$1,214,880.00</b>	<b>\$247,750.00</b>		<b>\$61,937.50</b>	
Sweep test of existing antenna	\$6,730.00	\$5,000.00	N/A	\$1,250.00	N/A
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	\$1,090,000.00	\$126,250.00	WCVB portion of antenna cost. See ATC Documentation.	\$31,562.50	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$91,500.00	See ATC documentation	\$22,875.00	N/A
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$18,950.00	\$10,000.00	N/A	\$2,500.00	N/A
Combiner Installation	<b>\$11,250.00</b>	\$11,250.00	WCVB portion of combiner installation. See ATC Documentation.	\$2,812.50	N/A
Side Mount Brackts	<b>\$3,750.00</b>	\$3,750.00	see ATC documentation	\$937.50	N/A

<b>Auxiliary Antenna TLP-16M (C)</b>	<b>\$189,500.00</b>	<b>\$0.00</b>		<b>\$0.00</b>	
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$0.00	N/A	N/A	N/A
<b>Sub-total</b>	\$1,601,047.00	\$479,597.00	N/A	\$235,822.75	N/A
<b>Total for all systems</b>	\$10,172,673.85	\$5,037,906.60	N/A	\$3,188,666.96	N/A

## Components

Actual Information		
Description	File Name	
UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized	<b>Component Description:</b>	WCVB aux antenna milestone 2
	<b>Amount:</b>	\$38,393.50
	<b>Component Description:</b>	WCVB aux antenna milestone 1
	<b>Amount:</b>	\$19,196.75
Sweep test of existing antenna	<b>Component Description:</b>	WCVB existing antenna/line sweep milestone 1
	<b>Amount:</b>	\$750.00



	<b>Component Description:</b> WCVB existing antenna/line sweep milestone 2 <b>Amount:</b> \$1,500.00
New combiner, cost per channel (without antenna)	<b>Component Description:</b> WCVB aux combiner milestone 1 <b>Amount:</b> \$33,850.00  <b>Component Description:</b> WCVB aux combiner milestone 2 <b>Amount:</b> \$67,700.00
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	<b>Component Description:</b> WCVB elbow complex milestone 2 <b>Amount:</b> \$3,330.00  <b>Component Description:</b> WCVB elbow complex milestone 1 <b>Amount:</b> \$1,665.00
Combiner installation	<b>Component Description:</b> WCVB combiner installation milestone 1 <b>Amount:</b> \$2,500.00  <b>Component Description:</b> WCVB combiner installation milestone 2 <b>Amount:</b> \$5,000.00
Sweep test of existing	

antenna	<p><b>Component Description:</b> WCVB line sweep milestone 1</p> <p><b>Amount:</b> \$1,250.00</p>
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	<p><b>Component Description:</b> WCVB main antenna milestone 1</p> <p><b>Amount:</b> \$31,562.50</p>
New combiner, cost per channel (without antenna)	<p><b>Component Description:</b> WCVB combiner milestone 1</p> <p><b>Amount:</b> \$22,875.00</p>
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	<p><b>Component Description:</b> WCVB line sweep milestone 1</p> <p><b>Amount:</b> \$2,500.00</p>
Combiner Installation	<p><b>Component Description:</b> WCVB combiner installation milestone 1</p> <p><b>Amount:</b> \$2,812.50</p>
Side Mount Brackts	<p><b>Component Description:</b> WCVB side-mount brackets milestone 1</p> <p><b>Amount:</b> \$937.50</p>
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	Information not provided.

Cost  
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justification
Interim Transmission Line	\$997,500.00	\$84,900.00		\$63,675.00	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$997,500.00	\$84,900.00	cost per ATC documentation	\$63,675.00	N/A
Primary Transmission Line	\$48,750.00	\$48,750.00		\$0.00	
Line Refurbish	<i>\$48,750.00</i>	\$48,750.00	WCVB portion of transmission line refurbishing. See ATC Documentation.	\$0.00	N/A
Auxiliary Transmission Line	\$0.00	\$0.00		\$0.00	
Sub-total	\$1,046,250.00	\$133,650.00	N/A	\$63,675.00	N/A
Total for all systems	\$10,172,673.85	\$5,037,906.60	N/A	\$3,188,666.96	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 8 3/16" broadband	

	<b>Component Description:</b>	WCVB aux line milestone 1
	<b>Amount:</b>	\$21,225.00
	<b>Component Description:</b>	WCVB aux line milestone 2
	<b>Amount:</b>	\$42,450.00
Line Refurbish	<b>Component Description:</b>	non-reimbursable
	<b>Amount:</b>	N/A

Cost  
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificati
Auxiliary Tower GTOWER	\$880,700.00	\$90,235.00		\$67,635.00	
Tower Permit Drawing Package	<i>\$4,700.00</i>	\$4,700.00	See ATC Documentation.	\$3,525.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$55,900.00	N/A	\$41,925.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$17,500.00	per ATC documentation	\$13,125.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$4,435.00	N/A	\$3,285.00	N/A
Tower Modification PM	<i>\$3,000.00</i>	\$3,000.00	See ATC Documentation.	\$2,250.00	N/A
Ground and Building A-E Permit	<i>\$4,700.00</i>	\$4,700.00	See ATC Documentation.	\$3,525.00	N/A

Drawing Package					
<b>Primary Tower GTOWER</b>	<b>\$620,200.00</b>	<b>\$124,150.00</b>		<b>\$30,665.00</b>	
Tower Permit Drawing Package	<b>\$4,700.00</b>	\$4,700.00	See ATC Documentation.	\$1,175.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$10,000.00	See ATC Documentation.	\$2,190.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$25,000.00	N/A	\$6,250.00	N/A
Tower Modification PM	<b>\$5,500.00</b>	\$5,500.00	See ATC Documentation.	\$1,312.50	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$74,250.00	N/A	\$18,562.50	N/A
Ground and Building A-E Permit Drawing Package	<b>\$4,700.00</b>	\$4,700.00	See ATC Documentation.	\$1,175.00	N/A
<b>Sub-total</b>	<b>\$1,500,900.00</b>	<b>\$214,385.00</b>	N/A	<b>\$98,300.00</b>	N/A
<b>Total for all systems</b>	<b>\$10,172,673.85</b>	<b>\$5,037,906.60</b>	N/A	<b>\$3,188,666.96</b>	N/A

## Components

Actual Information		
Description	File Name	
Tower Permit Drawing Package	<b>Component Description:</b>	WCVB aux tower permit drawings milestone 1
	<b>Amount:</b>	\$1,175.00
	<b>Component Description:</b>	WCVB aux tower permit drawings milestone 2
	<b>Amount:</b>	\$2,350.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<b>Component Description:</b>	WCVB aux tower work milestone 1
	<b>Amount:</b>	\$13,975.00
	<b>Component Description:</b>	WCVB aux tower work milestone 2
	<b>Amount:</b>	\$27,950.00
Major tower reinforcement /modifications	<b>Component Description:</b>	WCVB aux tower modifications milestone 1
	<b>Amount:</b>	\$4,375.00
	<b>Component Description:</b>	WCVB aux tower modifications milestone 2
	<b>Amount:</b>	\$8,750.00
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<b>Component Description:</b>	WCVB aux tower structural analysis milestone 1
	<b>Amount:</b>	\$475.00

	<b>Component Description:</b>	WCVB aux tower structural analysis milestone 2
	<b>Amount:</b>	\$950.00
	<b>Component Description:</b>	WCVB aux tower mapping milestone 1
	<b>Amount:</b>	\$620.00
	<b>Component Description:</b>	WCVB aux tower mapping milestone 2
	<b>Amount:</b>	\$1,240.00
Tower Modification PM	<b>Component Description:</b>	WCVB aux tower PM milestone 1
	<b>Amount:</b>	\$750.00
	<b>Component Description:</b>	WCVB aux tower PM milestone 2
	<b>Amount:</b>	\$1,500.00
Ground and Building A-E Permit Drawing Package	<b>Component Description:</b>	WCVB aux ground and building drawings milestone 1
	<b>Amount:</b>	\$1,175.00
	<b>Component Description:</b>	WCVB aux ground and building drawings milestone 2
	<b>Amount:</b>	\$2,350.00
Tower Permit Drawing Package		



	<p><b>Component Description:</b> WCVB tower permit drawing package milestone 1</p> <p><b>Amount:</b> \$1,175.00</p>
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<p><b>Component Description:</b> WCVB tower mapping milestone 1</p> <p><b>Amount:</b> \$1,240.00</p> <p><b>Component Description:</b> WCVB main structural analysis milestone 1</p> <p><b>Amount:</b> \$950.00</p>
Minor tower reinforcement /modifications	<p><b>Component Description:</b> WCVB main tower modification milestone 1</p> <p><b>Amount:</b> \$6,250.00</p>
Tower Modification PM	<p><b>Component Description:</b> WCVB tower project mgmt. milestone 1</p> <p><b>Amount:</b> \$1,312.50</p>
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<p><b>Component Description:</b> WCVB main tower work milestone 1</p> <p><b>Amount:</b> \$18,562.50</p>
Ground and Building A-E Permit Drawing Package	<p><b>Component Description:</b> WCVB building drawing package milestone 1</p> <p><b>Amount:</b> \$1,175.00</p>

Cost  
Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$110,925.00	\$195,122.75		\$121,962.16	
Non-Catalog legal expenses	<i>\$20,000.00</i>	\$20,000.00	Non-Catalog expenses for legal advice and services, including financial /reimbursement review, transition reporting, transition procedures, and other transition-related issues	\$5,974.92	N/A
Transmitter Site Survey	<i>\$20,600.00</i>	\$20,600.00	Transmitter planning survey & transmitter building drawings per attached quote	N/A	N/A
Site Coordination Meeting	<i>\$2,000.00</i>	\$2,000.00	See ATC Documentation.	\$500.00	N/A
Repack Consulting	<i>\$2,500.00</i>	\$2,500.00	Consulting, project, and construction management services for repack.	\$2,038.00	N/A
RF System Test	<i>\$8,000.00</i>	\$8,000.00	See ATC Documentation. \$5,500 &	\$3,250.00	N/A

			\$2,500 for main and aux sites respectively.		
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	\$86,813.75	See associated invoices	\$86,813.75	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	\$2,381.13	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer	\$1,580.00	\$1,499.00	N/A	N/A	N/A

Fees- Aux  
Antenna:  
Prepare  
engineering  
section of FCC  
Form 2100,  
License to  
Cover  
Application

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
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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
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Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,937.50	N/A
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Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,111.86	N/A
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Project management of the transition	\$15,010.00	\$18,960.00	PM for both tower sites	\$9,480.00	N/A
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Address transition timing and	\$2,630.00	\$2,500.00	N/A	\$2,375.00	N/A
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coordination  
issues w/  
other stations  
and wireless

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$6,100.00	N/A
<b>Sub-total</b>	\$110,925.00	\$195,122.75	N/A	\$121,962.16	N/A
<b>Total for all systems</b>	\$10,172,673.85	\$5,037,906.60	N/A	\$3,188,666.96	N/A

## Components

Actual Information	
Description	File Name
Non-Catalog legal expenses	<p><b>Component Description:</b> WCVB non-catalog legal 1</p> <p><b>Amount:</b> \$2,284.90</p> <p><b>Component Description:</b> WCVB non-catalog legal 2</p> <p><b>Amount:</b> \$3,690.02</p>
Transmitter Site Survey	Information not provided.
Site Coordination Meeting	<p><b>Component Description:</b> WCVB site coordination meeting milestone 1</p> <p><b>Amount:</b> \$500.00</p>
Repack Consulting	<p><b>Component Description:</b> WCVB repack consulting 1 rev</p> <p><b>Amount:</b> \$2,038.00</p>

RF System Test	<b>Component Description:</b>		WCVB aux RF
			system test
			milestone 2
	<b>Amount:</b>		\$1,250.00
	<b>Component Description:</b>		WCVB aux RF
			system test
			milestone 1
	<b>Amount:</b>		\$625.00
	<b>Component Description:</b>		WCVB RF system
			test milestone 1
	<b>Amount:</b>		\$1,375.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.		
Attorney Fees - Negotiation of lease and other matters for shared locations	<b>Component Description:</b>		WCVB legal for
			lease negotiations 3
	<b>Amount:</b>		\$12,229.65
	<b>Component Description:</b>		WCVB legal for
			lease negotiations
			4 - with additional
			documentation
	<b>Amount:</b>		\$27,386.75
	<b>Component Description:</b>		WCVB legal for
			lease negotiations 2
	<b>Amount:</b>		\$25,066.80
	<b>Component Description:</b>		WCVB legal for
			lease negotiations 6
	<b>Amount:</b>		\$1,116.00

	<p><b>Component Description:</b> WCVB legal for lease negotiations 1</p> <p><b>Amount:</b> \$9,913.50</p>
	<p><b>Component Description:</b> WCVB legal for lease negotiations 5</p> <p><b>Amount:</b> \$11,101.05</p>
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	<p><b>Component Description:</b> WCVB Prepare and File FCC Form 2100, Construction Permit Application 2</p> <p><b>Amount:</b> \$1,054.53</p>
	<p><b>Component Description:</b> WCVB Prepare and File FCC Form 2100, Construction Permit Application</p> <p><b>Amount:</b> \$1,326.60</p>
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	Information not provided.

Application		
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	<b>Component Description:</b>	Prepare engineering section of FCC Form 2100, Construction Permit Application
	<b>Amount:</b>	\$1,937.50
Prepare and or review reimbursement form	<b>Component Description:</b>	WCVB Prepare and /or review reimbursement Form 399 2
	<b>Amount:</b>	\$300.06
	<b>Component Description:</b>	WCVB Prepare and /or review reimbursement Form 399
	<b>Amount:</b>	\$811.80
Project management of the transition	<b>Component Description:</b>	WCVB aux transition project mgmt. milestone 2
	<b>Amount:</b>	\$4,740.00
	<b>Component Description:</b>	WCVB transition project mgmt. milestone 1
	<b>Amount:</b>	\$2,370.00



	<p><b>Component Description:</b> WCVB aux transition project mgmt. milestone 1</p> <p><b>Amount:</b> \$2,370.00</p>
Address transition timing and coordination issues w/ other stations and wireless	<p><b>Component Description:</b> WCVB main transition coordination milestone 1</p> <p><b>Amount:</b> \$500.00</p> <p><b>Component Description:</b> WCVB aux transition coordination milestone 2</p> <p><b>Amount:</b> \$1,250.00</p> <p><b>Component Description:</b> WCVB aux transition coordination milestone 1</p> <p><b>Amount:</b> \$625.00</p>
Perform engineering study for new channel assignment and antenna development	<p><b>Component Description:</b> engineering study for "90 day" construction permit. See invoice for details.</p> <p><b>Amount:</b> \$550.00</p> <p><b>Component Description:</b> WCVB aux engineering study milestone 2</p> <p><b>Amount:</b> \$2,500.00</p>

<b>Component Description:</b>	Engineering study for new channel assignment
<b>Amount:</b>	\$550.00

<b>Component Description:</b>	WCVB aux engineering study milestone 1
<b>Amount:</b>	\$1,250.00

<b>Component Description:</b>	WCVB engineering study milestone 1
<b>Amount:</b>	\$1,250.00

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## Cost Information

### Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$97,930.00</b>	<b>\$97,325.00</b>		<b>\$57,560.00</b>	
Public Hearing	<i>\$840.00</i>	\$840.00	hearing due to tower height change and zoning	\$410.00	N/A
Nitrogen Generator upgrade	<i>\$6,000.00</i>	\$6,000.00	See ATC documentation	\$3,000.00	N/A
Testing for Asbestos and Lead Paint	<i>\$1,800.00</i>	\$1,800.00	See ATC Documentation.	\$1,350.00	N/A
Equipment Delivery and Handling Charges	<i>\$8,500.00</i>	\$8,500.00	See ATC Documentation. \$5,500 and \$3,000 for main and aux sites respectively.	\$6,150.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special	\$195.00	\$190.00	N/A	N/A	N/A

Temporary Authorization request					
Local Zoning	<b>\$1,400.00</b>	\$1,400.00	See ATC Documentation. \$750 per site.	\$750.00	N/A
Develop and air announcement of upcoming channel change	<b>\$2,500.00</b>	\$2,500.00	Attorney review to ensure FCC compliance	N/A	N/A
MVPD Notification of Channel Change	<b>\$2,500.00</b>	\$2,500.00	Attorney assistance in coordinating MVPD notification	N/A	N/A
ATC one-time tower rental	<b>\$57,600.00</b>	\$57,600.00	ATC one-time tower rental during market repack period. See ATC documentation.	\$43,200.00	N/A
Security	<b>\$3,600.00</b>	\$3,600.00	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. See ATC documentation.	\$2,700.00	N/A
<b>Sub-total</b>	<b>\$97,930.00</b>	<b>\$97,325.00</b>	<b>N/A</b>	<b>\$57,560.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$10,172,673.85</b>	<b>\$5,037,906.60</b>	<b>N/A</b>	<b>\$3,188,666.96</b>	<b>N/A</b>

## Components

Actual Information Description	File Name
Public Hearing	<div> <b>Component Description:</b> WCVB aux public hearing milestone 1         </div> <div> <b>Amount:</b> \$100.00         </div>
	<div> <b>Component Description:</b> WCVB aux public hearing milestone 2         </div> <div> <b>Amount:</b> \$200.00         </div>
	<div> <b>Component Description:</b> WCVB public hearing milestone 1         </div> <div> <b>Amount:</b> \$110.00         </div>
	<div> <b>Component Description:</b> WCVB aux nitrogen generator upgrade milestone 1         </div> <div> <b>Amount:</b> \$750.00         </div>
	<div> <b>Component Description:</b> WCVB nitrogen generator upgrade milestone 1         </div> <div> <b>Amount:</b> \$750.00         </div>
	<div> <b>Component Description:</b> WCVB aux nitrogen generator upgrade milestone 2         </div> <div> <b>Amount:</b> \$1,500.00         </div>
Nitrogen Generator upgrade	<div> <b>Component Description:</b> WCVB aux nitrogen generator upgrade milestone 1         </div> <div> <b>Amount:</b> \$750.00         </div>
	<div> <b>Component Description:</b> WCVB nitrogen generator upgrade milestone 1         </div> <div> <b>Amount:</b> \$750.00         </div>
	<div> <b>Component Description:</b> WCVB aux nitrogen generator upgrade milestone 2         </div> <div> <b>Amount:</b> \$1,500.00         </div>

Testing for Asbestos and Lead Paint	<b>Component Description:</b>	WCVB aux asbestos testing milestone 2
	<b>Amount:</b>	\$900.00
	<b>Component Description:</b>	WCVB aux asbestos testing milestone 1
	<b>Amount:</b>	\$450.00
Equipment Delivery and Handling Charges	<b>Component Description:</b>	WCVB equipment delivery milestone 1
	<b>Amount:</b>	\$1,375.00
	<b>Component Description:</b>	WCVB aux equipment delivery milestone 2
	<b>Amount:</b>	\$1,500.00
	<b>Component Description:</b>	WCVB interim transmitter delivery and handling
	<b>Amount:</b>	\$2,525.00
	<b>Component Description:</b>	WCVB aux equipment delivery milestone 1
	<b>Amount:</b>	\$750.00
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.	

FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Local Zoning	<b>Component Description:</b> WCVB building permits milestone 1 <b>Amount:</b> \$187.50  <b>Component Description:</b> WCVB aux building permits milestone 2 <b>Amount:</b> \$375.00  <b>Component Description:</b> WCVB aux building permits milestone 1 <b>Amount:</b> \$187.50	
Develop and air announcement of upcoming channel change	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	
ATC one-time tower rental	<b>Component Description:</b> WCVB aux rental milestone 1 <b>Amount:</b> \$14,400.00  <b>Component Description:</b> WCVB aux rental milestone 2 <b>Amount:</b> \$28,800.00	
Security	<b>Component Description:</b> WCVB aux site security milestone 2 <b>Amount:</b> \$1,800.00	

**Component Description:**

WCVB aux site  
security  
milestone 1

**Amount:**

\$900.00

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Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$10,172,673.85	\$5,037,906.60	\$3,188,666.96

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>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.</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> <li>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</li> </ol>	

signal of a  
broadcaster that  
changes channels  
(MVPD).

5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

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

**John Drain**  
*Hearst  
Television  
SVP Chief  
Financial  
Officer*



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 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>4. The above-named entity acknowledges the submission of the information herein</li> </ol>	

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

<p>must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Douglas Durkee</b>  <i>Hearst Television</i>  <i>Manager of Spectrum Repack</i></p> <p>04/21/2019</p>

## Attachments