

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **42359** | Service: **DTV** | Call **KTXD-TV** | Channel: **23 (UHF)** |
 ID: | Sign:
 File **0000028579**
 Number:
 FRN: **0027171693** | Date **02/04**
 Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GREENVILLE (KTXD-TV) LICENSEE, INC.	Lisa Asher 2000 W. 41ST STREET BALTIMORE, MD 21211 United States	+1 (410) 662-9688	LAsher@cunninghambroadcasting.com	Limited Liability Company

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
Ari Meltzer <i>Wiley Rein LLP</i>	1776 K Street NW Washington, DC 20006 United States	+1 (202) 719-7467	ameltzer@wileyrein.com

**Broadcaster
Information
and
Transition
Plan**

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

Transmitters

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

**Auxiliary
Transmitter****Add Transmitter Information**

Section	Question	Response
Existing Transmitter Description	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
Existing Transmitter Manufacturer and Type	Manufacturer	Harris
	Model	ULX-4700AT
	Year	2009

	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	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	7 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
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold 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
Use as Interim	Move and install existing auxiliary transmitter to interim site then move it back and reinstall.

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	CDP3100P1
	Year	2005
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	21 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	THU9-12EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19 kW
	Justification for New Transmitter	Existing transmitter is not supported for retuning. Station plans to file for maximization as stated in the filed application for minor modification to better match existing service area.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes

	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical installation for new transmitter.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	550.0 square feet
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Move generator	Move existing 300kW generator from the current site to the final site and install. Requires new pad, standalone ice shield and underground electrical.

Ice Shield	Ice Protection over the mechanical slab and the equipment for new HVAC units, heat exchangers and repack broadcasters equipment to be installed.
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Antennas

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

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Lease New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	American Tower Corporation
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	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 Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels	36
	Design power capacity in use	92.5 %
	Lower Limit	605.00 MHz
	Upper Limit	665.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	600.0 kW

	Manufacturer	
	Model	PHP36C
	Year	2003

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

Facility ID	Call Sign
22201	KDAF
49326	KDTN
67910	KDTX-TV

**Primary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	Yes
	Ownership	Leased
	Owner	American Tower Corporation
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	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	48
	Lower Limit	482.00 MHz
	Upper Limit	608.00 MHz
	Design power capacity in use	65.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	377.0 kW
	Manufacturer	

Model	TUM-AP-C4-14/48H-2-B
Year	2017
Justification for New Antenna	Please see attached American Tower Corporation Transition Plan

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	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?	Broadband
	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
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Enter a list of RF channel numbers.

RF Channel Number
21
18
19
23
29

Primary
Antenna

Other Antenna Cost Not Listed

Name	Description
Combiner Installation	Installation of the combiner; Dual chain combiner system, Single chain of 2 constant impedance waveguide modules, and/or single chain of 2 directional filter modules per Dielectric layout plus a third low power filter for the wideband port.

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	Lease New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	ATC
	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	
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1507 feet per run

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

Facility ID	Call Sign
67910	KDTX-TV
22201	KDAF
49326	KDTN

Primary
Transmission Line

New Transmission 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?	Yes
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1650 feet per run
	Justification for New Transmission Line	Please see attached American Tower Corporation Transition Plan

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Transmission Line Bridge	New Ice Bridge required to support new transmission lines from all four repack tenants space to tower, estimated to be 200 linear ft. This cost includes the materials, foundations and installation.

**Tower
Equipment
And
Rigging
Costs**

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

**Primary
Tower**

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	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	1055009
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	32° 35' 22.0" N-
	Longitude (NAD83)	096° 58' 12.9" W-
	Overall Structure Height	1550.83 feet
	Support Structure Height	1453.07 feet
	Ground Elevation Above Mean Sea Level (AMSL)	829.71 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Tower, LLC
Date Constructed	11/04/2008

**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
41380	KLNO	FM
23084	KHKS	FM
14524	KCBI	FM
35841	KUVN-DT	DTV
26950	KATA-CD	DTV
59702	KKDA-FM	FM
47739	KDMX	FM
11451	WRR	FM
9620	KDGE	FM
18114	KEGL	FM
6378	KZPS	FM

Other Types of Users

Users
KNAV-LP
KJJM-LD

KHPK-LD

K31GL-D

KVFW-LD

**Primary
Tower**

Tower Modification Costs

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

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Name	Description
Ground and Building A and E Permit Drawing Package	The generation of a construction drawing package for one broadcaster.
Tower Permit Drawing Package	The generation of a construction drawing package for one broadcaster.
Construction Project management Tower Modifications Reinforcements and Facilities	60 hours on Modification project management and RF installation project management.

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1059733
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	32° 32' 36.0" N-
	Longitude (NAD83)	096° 57' 33.0" W-
	Overall Structure Height	1635.15 feet
	Support Structure Height	1523.60 feet
	Ground Elevation Above Mean Sea Level (AMSL)	813.97 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	American Towers, LLC

Date Constructed

06/18/2000

**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
55768	KKXT	FM
23422	KTVT	DTV
41380	KLNO	FM
28624	KVIL	FM
22201	KDAF	DTV
67910	KDTX-TV	DTV
68834	KPXD-TV	DTV
67195	KLUV	FM
42359	KTXD-TV	DTV
49323	KERA	FM
60534	KSTR-DT	DTV
49324	KERA-TV	DTV
1087	KRLD-FM	FM
51517	KTXA	DTV
23440	KMVK	FM
49326	KDTN	DTV
9627	KBFB	FM
63779	KJKK	FM
17037	KDFI	DTV

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	450
	Explanation	The station will contract for Project Management services to handle the complete project. It does not have personnel available for any of these tasks, nor is the staff trained to provide any of these services.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A

	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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 Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
RF System Test	Testing of the combiner to ensure all one (1) frequencies are tuned for optimal patterns.
Migratory Bird Assessment Permitting	Migratory Bird Assessment Permitting
Site Coordination Meeting	Site coordination meetings with all broadcasters, contractors and vendors involved with the site deliveries and construction.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	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
Tree Clearing	This cost is for the removal of trees and vegetation to ensure the proper clearance of taglines and laydown areas, required for construction.
Construction and Electrical Permits	2% construction cost, excluding the material and equipment for electrical and building permits.
Site Security	Site security for installation and storage of Transmission line and materials for 57 days X 12 hours. The materials are a high risk of theft due to the material makeup such as copper, brass and aluminum.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter THU9-12EVO	\$1,078,360.00	\$1,035,460.00		\$90,671.72	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	N/A	\$90,671.72	N/A
Ice Shield	<i>\$40,000.00</i>	\$40,000.00	Please see attached ATC Transition Plan	N/A	N/A
Move generator	<i>\$64,860.00</i>	\$64,860.00	See attached Generator Move Quotation.	N/A	N/A
Other -- Building Addition Size: 550.0	<i>\$83,600.00</i>	\$83,600.00	The building upgrade is required to accommodate the repack equipment. The current building configuration will need to be altered. See attached American Tower Corporation quote.	N/A	N/A

Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
Other Electrical Service: Electrical installation for new transmitter.	\$25,000.00	\$25,000.00	Electrical distribution to the new transmitter. Parts and installation.	N/A	N/A
25 Ton system	\$91,500.00	\$87,000.00	Please see attached ATC Transition Plan	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Auxiliary Transmitter ULX-4700AT	\$148,410.00	\$142,900.00		\$0.00	
UHF and VHF - minor banding issues	\$105,200.00	\$100,000.00	Catalog	N/A	N/A
7 kW mask filter	\$6,210.00	\$5,900.00	Catalog	N/A	N/A
Use as Interim	\$37,000.00	\$37,000.00	See attached quote for Auxiliary Transmitter - use as interim	N/A	N/A
Sub-total	\$1,226,770.00	\$1,178,360.00	N/A	\$90,671.72	N/A
Total for all systems	\$4,846,057.00	\$2,137,127.00	N/A	\$92,995.25	N/A

Components

Actual Information	
Description	File Name
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<div> <div>Component Description:</div> <div>Transmitter related cost. #9500084114</div> <div>Amount:</div> <div>\$90,671.72</div> </div>
Ice Shield	Information not provided.
Move generator	Information not provided.
Other -- Building Addition Size: 550.0	Information not provided.
Service entrance 3 phase /800 amp/208 volt	Information not provided.
Other Electrical Service: Electrical installation for new transmitter.	Information not provided.
25 Ton system	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
Transformer 3 phase/480v - 300 KVA	Information not provided.
UHF and VHF - minor banding issues	Information not provided.
7 kW mask filter	Information not provided.
Use as Interim	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
Primary Antenna TUM-AP-C4-14/48H-2-B	\$248,697.00	\$211,167.00		\$0.00	
Combiner Installation	<i>\$6,250.00</i>	\$6,250.00	See attached American Tower Corporation quote.	N/A	N/A
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	\$16,850.00	\$6,500.00	See attached American Tower Corporation quote.	N/A	N/A

UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized	\$134,667.00	\$134,667.00	This is the portion of the cost of the antenna assigned to KTXD. This antenna will be shared (in the final facility) between KDTN, KDTX and KTXD. See attached American Tower Corporation quote.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$3,750.00	See attached American Tower Corporation quote.	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$60,000.00	See attached American Tower Corporation quote	N/A	N/A
Sub-total	\$248,697.00	\$211,167.00	N/A	\$0.00	N/A
Total for all systems	\$4,846,057.00	\$2,137,127.00	N/A	\$92,995.25	N/A

Components

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 Cost Justification
Primary Transmission Line	\$1,121,400.00	\$224,955.00		\$0.00	
Transmission Line Bridge	<i>\$22,500.00</i>	\$22,500.00	See attached American Tower Corporation quote.	N/A	N/A
Rigid Transmission Line - copper, 7 3 /16" broadband	\$1,098,900.00	\$202,455.00	See attached American Tower Corporation quote.	N/A	N/A
Sub-total	\$1,121,400.00	\$224,955.00	N/A	\$0.00	N/A
Total for all systems	\$4,846,057.00	\$2,137,127.00	N/A	\$92,995.25	N/A

Components

Information not provided.

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower	\$421,000.00	\$0.00		\$0.00	
GTOWER					
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$0.00	This appears as a duplicate entry.	N/A	N/A
Primary Tower	\$1,509,900.00	\$239,615.00		\$0.00	
GTOWER					
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$8,870.00	See attached American Tower Corporation quote. (\$4,960 - mapping / \$3,910 - study)	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$63,845.00	See attached American Tower Corporation quote.	N/A	N/A
Tower Permit Drawing Package	<i>\$4,700.00</i>	\$4,700.00	See attached American Tower Corporation quote.	N/A	N/A

Ground and Building A and E Permit Drawing Package	\$4,700.00	\$4,700.00	See attached American Tower Corporation quote.	N/A	N/A
Construction Project management Tower Modifications Reinforcements and Facilities	\$7,500.00	\$7,500.00	See attached American Tower Corporation quote.	N/A	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$150,000.00	See attached American Tower Corporation quote.	N/A	N/A
Sub-total	\$1,930,900.00	\$239,615.00	N/A	\$0.00	N/A
Total for all systems	\$4,846,057.00	\$2,137,127.00	N/A	\$92,995.25	N/A

Components

Information not provided.

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	\$244,890.00	\$210,180.00		\$2,323.53	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$155.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$0.00	N/A
Migratory Bird Assessment Permitting	<i>\$350.00</i>	\$350.00	See attached American Tower Corporation quote.	N/A	N/A
RF System Test	<i>\$4,000.00</i>	\$4,000.00	See attached American Tower Corporation quote.	N/A	N/A

RF Exposure Measurements	\$21,050.00	\$3,000.00	See attached American Tower Corporation quote.	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$1,080.00	See attached American Tower Corporation quote.	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	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
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$0.00	N/A
Project management of the transition	\$71,100.00	\$67,500.00	N/A	\$2,168.53	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A

Site Coordination Meeting	\$2,500.00	\$2,500.00	See attached American Tower Corporation quote.	N/A	N/A
Sub-total	\$244,890.00	\$210,180.00	N/A	\$2,323.53	N/A
Total for all systems	\$4,846,057.00	\$2,137,127.00	N/A	\$92,995.25	N/A

Components

Actual Information	
Description	File Name
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:
	Legal services for initial repack CP application.
	Amount:
	\$155.00
	Component Description:
	Legal services regarding initial repack CP application (H. Gola 3.3 hours; K. Kirby 1.2 hours)
	Amount:
	\$2,992.50
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:
	Prepare engineering section for CP application.
	Amount:
	\$2,250.00

Prepare and or review reimbursement form	<p>Component Description:</p> <p>Legal services related to filing of initial reimbursement estimates (H. Gola - 1 hour; K. Kirby .3 hours)</p> <p>Amount:</p> <p>\$851.50</p>
Migratory Bird Assessment Permitting	Information not provided.
RF System Test	Information not provided.
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
NEPA Section 106 environmental review, 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.	
Prepare request for Special Temporary Authorization	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Engineering study for post-auction channel \$2,250.00 Engineering study for post-auction channel \$2,250.00
Project management of the transition	Component Description: Amount: Component Description: Amount: Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467861 \$470.30 Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467378 \$576.96 Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1090 \$176.70

	Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #1086 \$275.35
	Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #468718 \$349.51
	Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1093 \$269.71
	Component Description: Amount:	Legal Service Cost. #467910 \$50.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Site Coordination Meeting	Information not provided.	

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$73,400.00	\$72,850.00		\$0.00	
Site Security	<i>\$8,550.00</i>	\$8,550.00	See attached American Tower Corporation quote.	N/A	N/A
Construction and Electrical Permits	<i>\$10,000.00</i>	\$10,000.00	See attached American Tower Corporation quote.	N/A	N/A
Tree Clearing	<i>\$1,600.00</i>	\$1,600.00	See attached American Tower Corporation quote.	N/A	N/A
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$500.00</i>	\$500.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$5,000.00</i>	\$5,000.00	See attached American Tower Corporation quote.	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$16,500.00	\$16,500.00	Pre-auction channel transmitter and interior RF system dismantling, removal and disposal including coolant and oil reclamation.	N/A	N/A
Non-zoning permits	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Local Zoning	\$4,700.00	\$4,700.00	See attached American Tower Corporation quote.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Sub-total	\$73,400.00	\$72,850.00	N/A	\$0.00	N/A
Total for all systems	\$4,846,057.00	\$2,137,127.00	N/A	\$92,995.25	N/A

Components

Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$4,846,057.00	\$2,137,127.00
			\$92,995.25

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"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

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

<p>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.</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>Lisa Asher <i>Secretary</i> 02/04/2019</p>

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"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

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

<p>8. The above-named entity acknowledges that overpayments or payments in error 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>Lisa Asher <i>Secretary</i></p> <p>02/04/2019</p>

Attachments