

Federal Communications Commission

## (REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

ID:	0492	Service: DTV 8493	Call Sign:	KUBE-TV	Channel: <b>31 (UHF)</b>
Number:					
FRN: 002902	23009	Date	06/29		
		Submitted:	/2018		

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

#### Applicant Information

Applicant	Address	Phone	Email	Applicant Type
NRJ TV HOUSTON LICENSE CO., LLC	Robert Andrews 722 S. DENTON TAP ROAD SUITE 130 COPPELL, TX 75019 United States	+1 (972) 947-3391	bob@nrjventures. com	Limited Liability Company

#### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information				
Contact Information	Applicant	Address	Phone	Email	
	Peter	Peter Douglas	+1 (303) 881-	pdouglas@nrjtv.	
	Douglas	3310 Keller Springs Rd Ste	9185	net	
	VP	110			
	Engineering	Carrollton, TX 75006			
	NRJ TV VI LLC	United States			

Broadcaster	Question	Response
Information and Transition Plan	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
	Briefly describe transition plan	Replacement in kind on existing tower at existing location. Will purchase new transmitter to replace non re-tunable IOT system currently in place. Interim antenna will be installed to protect from extensive outages required by tower top work on stations

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

Primary	Add Transmitter Information				
Transmitter	Section	Question	Response		
	Existing Transmitter Description	Type of change	Purchase New		
		Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is this transmitter currently shared with another station?	No		
		Is this transmitter currently in operating condition?	Yes		
	Existing Transmitter	Manufacturer			
	Manufacturer and Type	Model	Sigma IOT CD3220P2		
		Year	2006		
		Туре	Inductive Output Tube		
		IOT Power Type	Two		
		Power Capacity	47.2 kW		

Primary	New Transmitter Costs				
Transmitter	Section	Question	Response		
	New Transmitter	Use	Primary (Main)		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	Yes		
	Manufacturer				
		Model	ULXTE 72		
		Transmitter Type	Solid State		
		Solid State Cooling	Liquid Cooled		
		Solid State Power capacity	42 kW		
		Justification for New Transmitter	Current transmitter, no longer supported, not re- tunable. Comparable IOT unit not available from this vendor. See attachment.		

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	Yes			

	Size	4 inches
	Length	200.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary	Other Transmitter Cost Not Listed			
Transmitter	Name	Description		
	MFR Site Survey	Required to verify installation conditions for transmitter		

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

Primary Antenna	Existing Antenna Information			
	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing antenna shared with another station or stations?	No	
		Is the existing antenna directional?	Yes	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	Yes	
	Existing Antenna	Class	Full Power	
	Manufacturer and Type	Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	1000.0 kW	

	Manufacturer	
	Model	ATW30H4- ESCH-41H
-	Year	2007

Primary Antenna	New Antenna Costs			
	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna Manufacturer and Types	Class	Full Power	
		Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	820.0 kW	
		Manufacturer		

Model	ATW25HS4 ESCH-31H
Year	2017
Justification for New Antenna	Existing antenna is single channel only, not compatible with new repack channel (31)

## Other Antenna Costs

Primary Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
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

PrimaryOther Antenna Cost Not ListedAntennaInformation not provided.

Interim Antenna	New Antenna Costs			
	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	250.0 kW	
		Manufacturer		
		Model	TBD	
		Year	2017	

Justification for New Antenna	Due to the
	extensive
	work
	required at
	the
	candelabra
	level,
	substantia
	outages ar
	predicted.
	Interim
	antenna at
	lower level
	will
	maintain
	stations
	signal
	during
	these
	periods.

Interim Antenna	Other Antenna Costs			
	Section	Question	Response	
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No	
		Broadband or Single Channel?	N/A	
		Feed Line Size	N/A	
	Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No	
	Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No	
	Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes	

Interim Other Antenna Cost Not Listed

**Other Antenna Costs** 

Antenna Information not provided.

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

Primary	Existing Transmission Line			
Transmissio	n Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing transmission line shared with another station or stations?	No	
		Is Transmission Line in operating condition?	Yes	
	Existing Transmission	Manufacturer		
	Line Manufacturer and Type	Туре	Rigid	
		Diameter	8 3/16 inches	
		Other Diameter	N/A	
		Segment Length	19 1/2 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	2100 feet per run	

Primary	New Transmission Line			
Transmissio	on Section New Transmission Line Costs	Question	Response	
		Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	8 3/16 inches	
		Other Diameter	N/A	
		Segment Length	20 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	2100 feet per run	
		Justification for New Transmission Line	Repack channel (31) is prohibited on the 19.5 foot sections that are currently installed.	

Other Transmission Line Expenses Not Listed Transmission

Interim	New Transmission Line			
Transmissio	n Line Section	Question	Response	
	New Transmission Line	Use	Interim	
	Costs	Description of Use	N/A	
		Change Type	Purchase New	
		Туре	Flexible Air	
		Diameter	5 inches	
		Segment Length	N/A	
		Other Segment Length		
		Number of parallel runs	1	
		Length	1700 feet per run	
		Justification for New Transmission Line	Required to feed interim antenna due to extensive work requiring extended downtime on candelabra top mount antennas	

Interim Other Transmission Line Expenses Not Listed

Transmission net provided.

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

# **Existing Tower**

Description       Tower Use       Primary (Main         Tower Use       N/A         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 compliant with Rev G?       No         Existing Tower Structure Registration       Do you have a tower registration number?       Yes         ASR Number       1064696       29° 34' 16.0"	Primary	Existing Tower			
Description       Tower Use       Primary (Main         Tower Use       N/A         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 compliant with Rev G?       No         Existing Tower Structure Registration       Do you have a tower registration number?       Yes         ASR Number       1064696       29° 34' 16.0°         North American Datum of 1983))       Latitude (NAD83)       095° 30' 38.0	Tower	Section	Question	Response	
Tower UsePrimary (Main Description of UsePrimary (Main N/ADescription of UseN/AOwnershipLeasedIs this tower consider Complex?CandelabraIs this tower currently shared with any other stations?YesOne or more FM, AM or TV radio broadcaster(s)YesOthers Types of UsersNoIs tower compliant with Rev G?NoExisting Tower Structure RegistrationDo you have a tower registration number?YesASR Number1064696Coordinates (NAD83 ( North American Datum of 1983))Latitude (NAD83)29° 34' 16.0°		-	Type of change	Modify Existing	
CovereshipLeasedSthis tower consider Complex?CandelabraIs this tower currently shared with any other stations?YesOne or more FM, AM or TV radio broadcaster(s)YesOthers Types of UsersNoIs tower documented for structural analysis?NoIs tower compliant with Rev G?NoExisting Tower Structure Registration of 1983)Do you have a tower registration number?YesCoordinates (NADB3 ( North American Datum of 1983))Latitude (NAD83)29° 34' 16.0"		Description	Tower Use	Primary (Main)	
Is this tower consider Complex?CandelabraIs this tower currently shared with any other stations?YesOne or more FM, AM or TV radio broadcaster(s)YesOthers Types of UsersNoIs tower documented for structural analysis?NoIs tower compliant with Rev G?NoExisting Tower Structure RegistrationDo you have a tower registration number?YesASR Number1064696Coordinates (NAD83 ( North American Datum of 1983))Latitude (NAD83)095° 30' 38.0 W-			Description of Use	N/A	
Is this tower currently shared with any other stations?YesIs this tower currently shared with any other stations?YesOne or more FM, AM or TV radio broadcaster(s)YesOthers Types of UsersNoIs tower documented for structural analysis?NoIs tower compliant with Rev G?NoIs tower compliant with Rev G?NoDo you have a tower registration number?YesASR Number1064696Coordinates (NAD83 ( North American Datum of 1983))Latitude (NAD83)29° 34' 16.0"Longitude (NAD83)095° 30' 38.0 W-			Ownership	Leased	
stations?stations?One or more FM, AM or TV radio broadcaster(s)YesOthers Types of UsersNoIs tower documented for structural analysis?NoIs tower compliant with Rev G?NoExisting Tower Structure RegistrationDo you have a tower registration number?YesASR Number1064696Coordinates (NAD83 ( North American Datum of 1983))Latitude (NAD83)29° 34' 16.0"Longitude (NAD83)095° 30' 38.0 W-			Is this tower consider Complex?	Candelabra	
broadcaster(s) No Others Types of Users No Is tower documented for structural analysis? No Is tower compliant with Rev G? No Existing Tower Structure Registration Do you have a tower registration number? Yes ASR Number 1064696 Coordinates (NAD83 ( North American Datum of 1983)) Latitude (NAD83) 29° 34' 16.0" Longitude (NAD83) 095° 30' 38.0 W-				Yes	
Is tower documented for structural analysis?NoIs tower compliant with Rev G?NoExisting Tower Structure RegistrationDo you have a tower registration number?YesASR Number1064696Coordinates (NAD83 ( North American Datum of 1983))Latitude (NAD83)29° 34' 16.0"Longitude (NAD83)095° 30' 38.0 W-				Yes	
Is tower compliant with Rev G?NoExisting Tower Structure RegistrationDo you have a tower registration number?YesASR Number1064696Coordinates (NAD83 ( North American Datum of 1983))Latitude (NAD83)29° 34' 16.0"Longitude (NAD83)095° 30' 38.0 W-			Others Types of Users	No	
Existing Tower Structure RegistrationDo you have a tower registration number?YesASR Number1064696Coordinates (NAD83 ( North American Datum of 1983))Latitude (NAD83)29° 34' 16.0"Longitude (NAD83)095° 30' 38.0 W-			Is tower documented for structural analysis?	No	
Structure Registration       ASR Number       1064696         Coordinates (NAD83 ( North American Datum of 1983))       Latitude (NAD83)       29° 34' 16.0"         Longitude (NAD83)       095° 30' 38.0 W-			Is tower compliant with Rev G?	No	
ASR Number 1064696 Coordinates (NAD83 ( North American Datum of 1983)) Latitude (NAD83) 29° 34' 16.0" Longitude (NAD83) 095° 30' 38.0 W-		-	Do you have a tower registration number?	Yes	
North American Datum of 1983))Longitude (NAD83)095° 30' 38.0 W-		Structure Registration	ASR Number	1064696	
of 1983))         Longitude (NAD83)         095° 30' 38.0           W-		North American Datum	Latitude (NAD83)	29° 34' 16.0" N-	
Overall Structure Height 1973.07 feet			Longitude (NAD83)	095° 30' 38.0" W-	
			Overall Structure Height	1973.07 feet	
Support Structure Height1842.17 feet			Support Structure Height	1842.17 feet	
Ground Elevation Above Mean Sea Level 76.77 feet (AMSL)				76.77 feet	

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Towers, LLC
Date Constructed	11/19/2001

#### 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
70492	KUBE-TV	DTV
12895	KETH-TV	DTV
24436	KLTJ	DTV
60537	KFTH-DT	DTV
58835	KPXB-TV	DTV
66790	KUGB-CD	DTV
64984	KTMD	DTV

# Primary Tower Modification Costs

Tower

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

# Tower Rigging Costs Primary Tower

,	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

Name	Description
Expenses for On-Site Crew	Travel, Lodging, Per Diem for on-site crew
Interim Tower Lease Cost	Expected additional tower lease charges for temporary installation of interim antenna and interim transmission line

Outside Professional	Section	Question	Response
	I Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	160
		Explanation	Extensive co- ordination and on-site supervision required due to the complex nature of the tower project. Estimated at \$100/hr
	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	1
		Do you have Distributed Transmission System engineering services?	N/A
		Critical Facility	N/A
		Terrain-Shielded Facility	N/A

Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	No
	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	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside	Other Professional Services Expenses Not Listed
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Professional	Services Costs	Description
	Proj Manager Expenses	Travel, per diem etc expenses for on-site proj mgt

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Facility Expenses	Name	N/A
		Other Distributed Transmission System Expenses Not listed	N/A
		Name	N/A
		Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
	Permit and Filing Costs	Local Zoning	No
		Non-zoning permits	Yes
		BLM or NFS Coordination	No
		FCC Construction Permit Minor Change	Yes
		FCC License to Cover Application	Yes
		FCC Special Temporary Authority Application	Yes
	Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
		Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
		Does this relocation require Equipment Storage?	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 Not Listed

**Expenses** Information not provided.

#### Transmitters

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE 72	\$1,598,970.00	\$1,465,345.00		\$453,878.86	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,374,875.00	N/A	\$453,878.86	N/A
MFR Site Survey	\$16,370.00	\$16,370.00	Required for proper installation and site planning.	N/A	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$20,200.00	\$11,500.00	N/A	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$12,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$18,600.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$32,000.00	N/A	N/A	N/A
Sub-total	\$1,598,970.00	\$1,465,345.00	N/A	\$453,878.86	N/A
Total for all systems	\$4,750,186.00	\$3,552,908.00	N/A	\$764,738.76	N/A

## Components

Description	File Name	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description: Amount:	ULXTE-72 Transmitter \$453,878.86
MFR Site Survey	Information not provided.	
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Service entrance 3 phase /800 amp/208 volt	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	
Transformer 3 phase/480v - 300 KVA	Information not provided.	

#### Antennas

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TBD	\$196,230.00	\$186,400.00		\$0.00	
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$180,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Primary Antenna ATW25HS4- ESCH-31H	\$296,230.00	\$244,000.00		\$70,380.64	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$237,600.00	N/A	\$68,654.27	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$1,726.37	N/A
Sub-total	\$492,460.00	\$430,400.00	N/A	\$70,380.64	N/A

# Components

Actual Information Description	File Name	
UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally polarized	Information not provided.	
Sweep test of existing antenna	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description: Amount:	New Primary Antenna. First invoice, representing 30% of cost \$68,654.27
Sweep test of existing antenna	Component Description: Amount:	Sweep Test of antenna. First invoice representing 30% of total \$1,726.37

#### **Transmission Line**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$178,500.00	\$124,659.00		\$0.00	
Flexible Air Transmission Line - dielectric, 5"	\$178,500.00	\$124,659.00	N/A	N/A	N/A
Primary Transmission Line	\$728,700.00	\$569,953.00		\$165,957.72	
Rigid Transmission Line - copper, 8 3 /16"	\$728,700.00	\$569,953.00	N/A	\$165,957.72	N/A
Sub-total	\$907,200.00	\$694,612.00	N/A	\$165,957.72	N/A
Total for all systems	\$4,750,186.00	\$3,552,908.00	N/A	\$764,738.76	N/A

## Components

Actual Information Description	File Name	
Flexible Air Transmission Line - dielectric, 5"	Information not provided.	
Rigid Transmission Line - copper, 8 3/16"	Component Description:	Primary transmission line. First Invoice for 30% of cost
	Amount:	\$165,957.72

#### **Tower Equipment and Rigging Costs**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$1,606,566.00	\$833,841.00		\$73,126.54	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$329,400.00	N/A	\$73,126.54	N/A
Expenses for On-Site Crew	\$28,300.00	\$28,300.00	Expense for on-site crew for tower, antenna and line work. See attachment.	N/A	N/A
Interim Tower Lease Cost	\$78,966.00	\$78,966.00	Need to lease space on tower for interim antenna and interim transmission line. See attachment.	N/A	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$375,000.00	N/A	N/A	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$22,175.00	N/A	N/A	N/A
Sub-total	\$1,606,566.00	\$833,841.00	N/A	\$73,126.54	N/A
Total for all systems	\$4,750,186.00	\$3,552,908.00	N/A	\$764,738.76	N/A

#### Components

Actual Information Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description: Amount:	Installation of antenna and transmission line. First invoice for 30% of costs. \$73,126.54
Expenses for On-Site Crew	Information not provided.	
Interim Tower Lease Cost	Information not provided.	
Serious tower reinforcement /modifications	Information not provided.	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	

#### **Outside Professional Services**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$98,650.00	\$84,910.00		\$1,395.00	
Project management of the transition	\$25,280.00	\$22,980.00	135 Hrs @ \$100 per hour	\$1,395.00	N/A
Proj Manager Expenses	\$6,880.00	\$6,880.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$15,000.00	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	\$1,400.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$500.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$5,400.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$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	N/A	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 and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$98,650.00	\$84,910.00	N/A	\$1,395.00	N/A
Total for all systems	\$4,750,186.00	\$3,552,908.00	N/A	\$764,738.76	N/A

## Components

Actual Information Description	File Name	
Project management of the transition	Component Description: Amount:	Project management \$1,395.00
Proj Manager Expenses	Information not provided.	
RF Exposure Measurements	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.	

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.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	Information not provided.

#### **Other Expenses**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$46,340.00	\$43,800.00		\$0.00	
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	Legal Fees for research, and delivery of notices.	N/A	N/A
Develop and air announcement of upcoming channel change	\$400.00	\$400.00	Cost for outside contractor to create spot. 2 hrs.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$9,065.00	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 Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Non-zoning permits	\$750.00	\$750.00	N/A	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$15,000.00	\$15,000.00	Proper disposal of old transmitter, lines and fittings.	N/A	N/A
Equipment Delivery and Handling Charges	\$12,000.00	\$12,000.00	Shipping charge est for antenna, and lines.	N/A	N/A
Sub-total	\$46,340.00	\$43,800.00	N/A	\$0.00	N/A
Total for all systems	\$4,750,186.00	\$3,552,908.00	N/A	\$764,738.76	N/A

## Components

Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$4,750,186.00	\$3,552,908.00	\$764,738.76

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

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

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

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Robert Andrews Sr VP 06/29/2018

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

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

8.	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.	
9.	The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	Robert Andrews Sr VP 06/29/2018

#### Attachments