



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **68889** | Service: **DTV** | Call **KTVX** | Channel: **30 (UHF)**
ID: | Sign:
File **000028267**
Number:
FRN: **0009961889** | Date **07/11**
Submitted: **/2017**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
NEXSTAR BROADCASTING, INC.	Elizabeth Ryder 545 E. JOHN CARPENTER FREEWAY SUITE 700 IRVING, TX 75062 United States	+1 (972) 373-8800	eryder@nexstar.tv	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
Elizabeth Ryder <i>General Counsel</i> <i>Nexstar Broadcasting, Inc.</i>	Elizabeth Ryder 545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 373-8800	eryder@nexstar.tv

**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	DTV Utah is a complex site with 8 stations sharing a two main antennas as well as aux antenna, combiner system and building. Replacement antenna panels, combiner and transmitters will be required. DTVU is still working on its transition plans.

Transmitters

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

**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	SigmaCD2
	Year	1999
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	20 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?	No
	Manufacturer	
	Model	Paragon
	Transmitter Type	Inductive Output Tube
	IOT Power Type	Single
	Power capacity	20 kW
	Justification for New Transmitter	Existing transmitter is obsolete and can not be retuned to new channel. New transmitter is required.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches

	Length	200.0 feet
	Other Electrical Service	Yes
	Description	Transmitter Electrical Installation
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	30 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	1000.0 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
Remote Control Wiring	Wire Up Existing Remote Control to New Transmitter
Removal of Existing Equipment	Remove Existing Equipment from Farnsworth Peak
Plan Transmitter Layout and Develop Installation Drawings	Develop Installation Layout. Develop Installation Drawings

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULTXE
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25 kW
	Justification for New Transmitter	DTV Utah Stations will operate on an interim transmitter one at a time in rotating fashion as their existing transmitter is removed and replaced. This is for the KTVX allocated costs for one interim transmitter for the site.

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim Transmitter **Other Transmitter Cost Not Listed**
Information not provided.

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	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	DTV Utah
	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	Top
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	8
	Number of Panels	48
	Design power capacity in use	100.0 %
Lower Limit	602.00 MHz	

Upper Limit	700.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	475.0 kW
Manufacturer	Kathrein
Model	773 928
Year	1999

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

Facility ID	Call Sign
36607	KJZZ-TV
1136	KUCW
35823	KUTV
6359	KSL-TV
6823	KBYU-TV
69396	KUED
69582	KUEN

Primary Antenna

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

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	8
Frequencies of channels supported	RF channel
Frequency	N/A

Enter a list of RF channel numbers.

RF Channel Number
30
34
35
36
15
17
19
23

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Feeder Cable Replacements	Replace Feeder Cables where necessary
Kathrein Panels	Replace Existing Panels
Replace Power Dividers	Replace Power Dividers where necessary
Kathrein Engineering Fees	Design and optimize new panels for DTVU Antenna

Auxiliary Antenna

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing

	Antenna Use	Auxiliary (Backup)
	Description of Use	AUX Antenna
	Ownership	Leased
	Owner	DTV Utah
	Site	N/A
	Is this antenna currently shared with any other stations?	Yes
	Is this 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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	8
	Number of Panels	24
	Design power capacity in use	100.0 %
	Lower Limit	602.00 MHz
	Upper Limit	700.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	475.0 kW
	Manufacturer	Kathrein
	Model	773 928
Year	1999	

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

Facility ID	Call Sign
36607	KJZZ-TV
1136	KUCW
35823	KUTV
6359	KSL-TV
6823	KBYU-TV
69396	KUED
69582	KUEN

Auxiliary Antenna

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

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

Name	Description
Kathrein Panels	Replacement of Kathrein Panels

Kathrein Engineering Fees	Design and optimize new panels for DTVU Antenna
Feeder Cables	Replacement Feeder Cables as necessary
Power Dividers	Replacement Power Dividers as necessary

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

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	DTV Utah
	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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	400 feet per run

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

Facility ID	Call Sign
1136	KUCW
35823	KUTV
36607	KJZZ-TV
6359	KSL-TV
6823	KBYU-TV
69396	KUED
69582	KUEN

Other Transmission Line Expenses Not Listed

**Primary
Transmission
Line**

Name	Description
RF Optimization for New Channels	Optimize existing line for new channels.
Replacement Section	Replacement transmission line section as required
Interconnection to new combiner	Interconnect TX to new Main Antenna Combiner System

**Auxiliary
Transmission
Line**

Add Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Aux Antenna Line
	Ownership	Leased
	Owner	DTV Utah
	Site	N/A

	Is this transmission currently shared with any other stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	400 feet per run

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

Facility ID	Call Sign
36607	KJZZ-TV
1136	KUCW
35823	KUTV
6359	KSL-TV
6823	KBYU-TV
69396	KUED
69582	KUEN

Auxiliary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Optimization of Existing Line	RF Optimization of Existing Transmission line

Replacement line section	Replacement line section as required.
Interconnection to Aux Combiner	Interconnection coax to aux antenna combiner system

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Terrain Constrained
	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?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1062408
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 39' 33.0" N-
	Longitude (NAD83)	112° 12' 10.0" W-
	Overall Structure Height	308.40 feet
	Support Structure Height	308.40 feet

Ground Elevation Above Mean Sea Level (AMSL)	9035.32 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	DTV UTAH, LC
Date Constructed	10/28/1999

**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
69396	KUED	DTV
1136	KUCW	DTV
69582	KUEN	DTV
6823	KBYU-TV	DTV
6359	KSL-TV	DTV
36607	KJZZ-TV	DTV
35823	KUTV	DTV

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Name	Description
Rigging to replace panels on antenna	Replacement of Antenna Panels on Main and Aux Antennas

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	250
	Explanation	KTVX Allocated Costs: DTV Utah will provide project management on site. Additionally, station will retain RF Engineers to review site construction as needed.
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	No
	Environmental Assessment	Yes
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
Address transition timing and coordination issues w/ other stations and wireless providers	Yes	
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	30

	Justification On site RF Engineering to inspect and supervise construction on behalf of station
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Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Allocation Consulting	RF Consultant analysis of channel allocations, Interference issues, and spectrum issues
Building Structural Engineering	Structural Engineer review and analysis of building and 2nd Floor Combiner Weight Issues
Prepare and File FCC Progress Reports	Prepare and File FCC Quarterly Progress Reports
RF Consultant	RF Consultant for antenna and combiner designs
Reimbursement Reviews	Reimbursement Reviews with FCC, E&Y, and Cavell.

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	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	Yes
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other
Expenses**

Other Expenses Not Listed

Name	Description
Accounting	DTV Utah Accounting and Allocation of costs to stations
Remove and Disposal of Equipment	Common Equipment Removal and Disposal. Rigging, road access, packing materials
Site Access and Transportation	Snow Cat access; helicopter site access; Road opening (snow plowing) etc.

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 ULTXE	\$947,000.00	\$95,500.00		\$0.00	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$95,500.00	KTVX Allocated costs for DTV Utah SITE Interim transmitter.	N/A	N/A
Primary Transmitter Paragon	\$939,400.00	\$1,222,651.00		\$0.00	
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	Catalog	N/A	N/A
Other Electrical Service: Transmitter Electrical Installation	<i>\$115,000.00</i>	\$115,000.00	KTVX Electrical installation of new IOT Transmitter, Beam Supplies, Heat Exchangers, Conduits, HV Lines (High Altitude Measures).	N/A	N/A
Single IOT system (20 kW)	\$578,000.00	\$865,551.00	Comark Quote for new 1 Tube Paragon IOT Transmitter.	N/A	N/A

Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	Catalog	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$9,800.00	Catalog	N/A	N/A
Other -- HVAC Service Type: C Size:30 (Other)	<i>\$30,000.00</i>	\$30,000.00	KTVX Allocated costs for modification of HVAC systems.	N/A	N/A
Other -- Building Addition Size: 1000.0	<i>\$37,500.00</i>	\$37,500.00	DTV Utah - KTVX Allocated costs for modification of building.	N/A	N/A
Remote Control Wiring	<i>\$3,500.00</i>	\$3,500.00	Wire up existing remote control to new transmitter.	N/A	N/A
Removal of Existing Equipment	<i>\$75,000.00</i>	\$75,000.00	Removal of existing KTVX Transmitter cabinets, Beam Supplies (2); Heat Exchangers (2); and other equipment. Rigging, All Terrain Vehicles; forklifts; oil and glycol issues.	N/A	N/A

Plan Transmitter Layout and Develop Installation Drawings	\$15,000.00	\$15,000.00	KTVX Allocated Costs for Transmitter Installation layout and installation drawings	N/A	N/A
Sub-total	\$1,886,400.00	\$1,318,151.00	N/A	\$0.00	N/A
Total for all systems	\$3,784,840.00	\$3,108,536.00	N/A	\$0.00	N/A

Components

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 773 928	\$498,590.00	\$824,100.00		\$0.00	
Kathrein Engineering Fees	<i>\$41,700.00</i>	\$41,700.00	Estimated KTVX Allocated Costs for Kathrein Antenna Design and Range Testing	N/A	N/A
Feeder Cable Replacements	<i>\$8,500.00</i>	\$8,500.00	Estimated KTVX Allocated Costs for replacement Feeder cables as needed.	N/A	N/A
Replace Power Dividers	<i>\$12,500.00</i>	\$12,500.00	KTVX Allocated Cost Estimate for power divider replacements as required.	N/A	N/A
Kathrein Panels	<i>\$200,000.00</i>	\$200,000.00	KTVX Allocated Cost Estimate for Replacement Kathrien Panels for Main Antenna.	N/A	N/A

UHF - High Power Top Mount Eight Station broadband panel antenna horizontally polarized	\$0.00	\$0.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	Catalog	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$417,000.00	DTV Utah Estimated Allocation of cost to KTVX for new combiner system.	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	Catalog	N/A	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$120,000.00	Catalog	N/A	N/A
Auxiliary Antenna 773 928	\$157,540.00	\$156,250.00		\$0.00	

Kathrein Panels	<i>\$100,000.00</i>	\$100,000.00	DTV Utah Estimated Allocated Costs for KTVX for replacement panels for Aux Antenna.	N/A	N/A
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 475 horizontally polarized	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
Kathrein Engineering Fees	<i>\$20,850.00</i>	\$20,850.00	Estimated KTVX Allocated costs for Kathrein Engineering for Aux Antenna Replacement Panels.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog	N/A	N/A
Power Dividers	<i>\$6,500.00</i>	\$6,500.00	KTVX Allocated cost estimated for power divider replacements as required.	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1 /8. feedline (if needed)	\$13,700.00	\$13,000.00	Catalog	N/A	N/A

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	Catalog	N/A	N/A
Feeder Cables	<i>\$4,500.00</i>	\$4,500.00	KTVX Allocated Costs for Feeder Cable Replacements As Needed.	N/A	N/A
Sub-total	\$656,130.00	\$980,350.00	N/A	\$0.00	N/A
Total for all systems	\$3,784,840.00	\$3,108,536.00	N/A	\$0.00	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	\$96,500.00	\$96,500.00		\$0.00	
RF Optimization for New Channels	<i>\$7,500.00</i>	\$7,500.00	KTVX Allocated Costs Optimization of line on new channels. Main Antenna.	N/A	N/A
Replacement Section	<i>\$7,000.00</i>	\$7,000.00	KTVX Allocation of costs for replacement line sections as needed.	N/A	N/A
Interconnection to new combiner	<i>\$82,000.00</i>	\$82,000.00	KTVX Allocated Cost Estimate. Coax from TX to Main Antenna Combiner	N/A	N/A
Auxiliary Transmission Line	\$91,000.00	\$91,000.00		\$0.00	

Replacement line section	<i>\$4,000.00</i>	\$4,000.00	Aux Antenna - KTVX Estimated allocation of costs for replacement line sections as required.	N/A	N/A
Optimization of Existing Line	<i>\$5,000.00</i>	\$5,000.00	RF Optimization of transmission line on new channels. Aux Antenna.	N/A	N/A
Interconnection to Aux Combiner	<i>\$82,000.00</i>	\$82,000.00	KTVX Allocated Cost Estimate to interconnect coax from transmitter to aux antenna combiner	N/A	N/A
Sub-total	\$187,500.00	\$187,500.00	N/A	\$0.00	N/A
Total for all systems	\$3,784,840.00	\$3,108,536.00	N/A	\$0.00	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 TOWER	\$516,000.00	\$95,000.00		\$0.00	
Rigging to replace panels on antenna	<i>\$95,000.00</i>	\$95,000.00	DTV Utah Estimate of KTVX Allocation for rigging and labor to replace antenna panels as required.	N/A	N/A
Complex Tower (includes, for example, those with candelabras and /or stacked antennas)	\$421,000.00	\$0.00	N/A	N/A	N/A
Sub-total	\$516,000.00	\$95,000.00	N/A	\$0.00	N/A
Total for all systems	\$3,784,840.00	\$3,108,536.00	N/A	\$0.00	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	\$331,420.00	\$320,750.00		\$0.00	
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	Catalog	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	Catalog	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	Catalog	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	Catalog	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	Catalog	N/A	N/A

Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	Catalog	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	Catalog	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	Catalog	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	Catalog	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	Catalog	N/A	N/A
Additional Field Engineering Service, 30 Days	<i>\$45,000.00</i>	\$45,000.00	RF Engineer on site to supervise installation and construction of KTVX Equipment.	N/A	N/A

Allocation Consulting	<i>\$15,000.00</i>	\$15,000.00	KTVX Allocation of costs. RF Engineering Consultant to review channel allocations, interference, alternative channels, support can not construct filing.	N/A	N/A
Building Structural Engineering	<i>\$30,900.00</i>	\$30,900.00	KTVX Allocation of costs related to building structural and weight analysis.	N/A	N/A
Prepare and File FCC Progress Reports	<i>\$18,000.00</i>	\$18,000.00	Prepare and file FCC Progress Reports	N/A	N/A
Reimbursement Reviews	<i>\$10,600.00</i>	\$10,600.00	Reimbursement Reviews with FCC, E&Y, Cavell.	N/A	N/A
RF Consultant	<i>\$16,000.00</i>	\$16,000.00	KTVX Allocation of Costs. RF Consulting Engineer for Antenna and Combiner overall system design. Vendor specs and system range testing.	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	Catalog	N/A	N/A
Project management of the transition	\$39,500.00	\$37,500.00	Catalog	N/A	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	Catalog	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	Catalog	N/A	N/A
Sub-total	\$331,420.00	\$320,750.00	N/A	\$0.00	N/A
Total for all systems	\$3,784,840.00	\$3,108,536.00	N/A	\$0.00	N/A

Components

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	\$207,390.00	\$206,785.00		\$0.00	
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	Catalog	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$3,500.00</i>	\$3,500.00	Production costs to develop and air channel change announcement.	N/A	N/A
BLM or NFS Coordination	<i>\$1,500.00</i>	\$1,500.00	KTVX Estimate of allocated costs.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	Catalog	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	Catalog	N/A	N/A
Non-zoning permits	<i>\$5,900.00</i>	\$5,900.00	KTVX Estimate of Cost Allocation.	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$27,500.00</i>	\$27,500.00	DTV Utah estimate of allocated costs for KTVX - Combiner and other common equipment removal and rigging down mountain.	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$45,000.00</i>	\$45,000.00	DTV Utah estimate of KTVX Allocation of Costs for delivery of equipment up mountain.	N/A	N/A
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Site Access and Transportation	<i>\$27,500.00</i>	\$27,500.00	DTV Utah Estimate of Cost Allocation to KTVX for site transportation and site access including snow cats, helicopter services, road clearing, snow plowing etc.	N/A	N/A
Accounting	<i>\$5,800.00</i>	\$5,800.00	DTV Utah estimate of KTVX allocation of costs for accounting services for project.	N/A	N/A

FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	Catalog	N/A	N/A
Equipment Storage	<i>\$37,500.00</i>	\$37,500.00	DTV Utah estimate of allocated costs to KTVX for equipment storage on site and logistics at base of mountain. etc.	N/A	N/A
Remove and Disposal of Equipment	<i>\$35,000.00</i>	\$35,000.00	Removal and disposal of KTVX Equipment down the mountain.	N/A	N/A
Sub-total	\$207,390.00	\$206,785.00	N/A	\$0.00	N/A
Total for all systems	\$3,784,840.00	\$3,108,536.00	N/A	\$0.00	N/A

Components

Information not provided.

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,784,840.00	\$3,108,536.00	\$0.00

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
	<p>Submission of Estimated Expenses Statements</p>	<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>Elizabeth Ryder <i>General Counsel</i></p> <p>07/11/2017</p>

Attachments