



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **1136** | Service: **DTV** | Call **KUCW** | Channel: **35 (UHF)** |
ID: | Sign:
File **0000028266**
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,</i> <i>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 two main antennas as well as aux antenna, combiner system, tower and building. Replacement antenna panels, combiner, and transmitters will be required. DTVU is still finalizing its transition plan.

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	DCX-1H
	Year	2001
	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 re-tuned to the new channel.

**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
Plan Transmitter Layout and Develop Installation Drawings	Develop installation layout. Develop installation drawings
Removal of Existing Equipment	Remove existing equipment from Farnsworth Peak site.

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25 kW
	Justification for New Transmitter	KUCW Allocated costs for DTV Utah interim transmitter. One transmitter will be used to cycle through transmitter change outs on 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)	200.0 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
68889	KTVX
1136	KUCW
35823	KUTV
36607	KJZZ-TV
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
23
15
17
19
30
34
35
36

Primary
Antenna

Other Antenna Cost Not Listed

Name	Description
Kathrein Panels	Replacement Panels for Main Antenna.
Replace Power Dividers	Replace Power Dividers as necessary
Feeder Cable Replacements	Replace Feeder cables as necessary.
Kathrein Engineering Fees	Design and optimize new panels for DTVU Antenna - Range Testing

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)	200.0 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
69582	KUEN
1136	KUCW
35823	KUTV
36607	KJZZ-TV
6359	KSL-TV
6823	KBYU-TV
69396	KUED

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
Power Dividers	Replacement Power Dividers as needed

Feeder Cables	Replacement Feeder cables as needed
Kathrein Panels	Kathrein replacement panels for Aux antenna
Kathrein Engineering	Kathrein engineering feeds to design and optimize replacement panels for DTVU Aux Antenna

Transmission Line

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

Primary Transmission Line**Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	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
36607	KJZZ-TV
1136	KUCW
35823	KUTV
6359	KSL-TV
6823	KBYU-TV
68889	KTVX
69396	KUED
69582	KUEN

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
RF Optimization on new RF Channels	Optimize transmission line on new channels
Replacement Section	Replacement transmission line section as needed
Interconnection to new combiner	Interconnect new transmitter to new Main Antenna Combiner

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

Existing Transmission Line Manufacturer and Type	Is this transmission currently shared with any other stations?	Yes
	Is Transmission Line in operating condition?	Yes
	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
68889	KTVX
1136	KUCW
35823	KUTV
36607	KJZZ-TV
6359	KSL-TV
6823	KBYU-TV
69396	KUED
69582	KUEN

Auxiliary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
RF Optimization	Optimize transmission line for new channels

Replacement Line Section	Replacement of transmission line section as needed
Interconnect to Combiner	Interconnection to Aux Antenna

**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	Yes
	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
1136	KUCW	DTV
69582	KUEN	DTV
69396	KUED	DTV
68889	KTVX	DTV
6823	KBYU-TV	DTV
6359	KSL-TV	DTV
36607	KJZZ-TV	DTV
35823	KUTV	DTV

Other Types of Users

Users
Multi User Site

**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 Antennas	Rigging to replace existing 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	KUCW allocated costs: DTV Utah will provide on site project management. 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 Engineer to supervise construction of station facilities.

**Outside
Professional**

Other Professional Services Expenses Not Listed

Services Costs	
Name	Description
Reimbursement Reviews	Reimbursement Reviews with FCC and Contractors.
Allocation Consulting	DTVU RF Consultant Analysis of Repack Allocations, interference issues, and spectrum issues.
Building Structural Engineering	Structural Engineer to review and analyze building and 2nd floor weights and combiner issues.
Prepare and File FCC Progress Reports	Prepare and file FCC Quarterly Progress Reports
RF Consultant	DTVU RF Consulting Engineer for antenna and combiner system design.

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	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
Removal and Disposal of Existing Equipment	Removal and Disposal of Common Equipment, Antenna Panels, Combiner, Rigging, Mountain Road access, packing materials
Accounting	DTV Utah Accounting and Allocation of Costs to stations.
Site Access and Transportation	Snow Cat; Helicopter site access, road clearing and 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 ULXTE	\$947,000.00	\$95,500.00		\$0.00	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$95,500.00	DTV Utah Allocated costs to KUCW for use of interim transmitter during transmitter change out.	N/A	N/A
Primary Transmitter Paragon	\$939,400.00	\$1,222,651.00		\$0.00	
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	KUCW Allocated costs for modification of DTV Utah HVAC Systems.	N/A	N/A
Other -- Building Addition Size: 1000.0	<i>\$37,500.00</i>	\$37,500.00	DTV Utah allocated costs to KUCW for building modifications.	N/A	N/A

Single IOT system (20 kW)	\$578,000.00	\$865,551.00	Comark Paragon Quote	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	Catalog	N/A	N/A
Remote Control Wiring	\$3,500.00	\$3,500.00	Wire up existing remote control to new transmitter	N/A	N/A
Plan Transmitter Layout and Develop Installation Drawings	\$15,000.00	\$15,000.00	Develop transmitter layout plan and installation drawings	N/A	N/A
Removal of Existing Equipment	\$75,000.00	\$75,000.00	Removal of IOT Transmitter, mask filter, 2 beam supplies, 2 heat exchangers, glycol, and oil from transformers from mountain top.	N/A	N/A
Other Electrical Service: Transmitter Electrical Installation	\$115,000.00	\$115,000.00	KUCW electrical installation of new IOT transmitter, beam power supplies, heat exchangers, conduits, HV lines, (High Altitude Mods).	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	
UHF - High Power Top Mount Eight Station broadband panel antenna horizontally polarized	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
Replace Power Dividers	<i>\$12,500.00</i>	\$12,500.00	KUCW allocated cost estimate to replace power dividers as needed.	N/A	N/A
Feeder Cable Replacements	<i>\$8,500.00</i>	\$8,500.00	KUCW Allocated Cost Estimates for replacement feeder cables as needed.	N/A	N/A
Kathrein Engineering Fees	<i>\$41,700.00</i>	\$41,700.00	KUCW cost allocation estimate for Kathrien optimization and range testing of replacement panels.	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	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
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
Kathrein Panels	\$200,000.00	\$200,000.00	KUCW Allocated costs from DTVU. cost estimate to replace existing Kathrein panels for main antenna.	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$417,000.00	KUCW Estimated allocated costs for replacement combiner system. DTV Utah.	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
Auxiliary Antenna 773 928	\$157,540.00	\$156,250.00		\$0.00	

UHF – Broadband Panel, Side Mount Auxiliary /Interim, 200 horizontally polarized	\$0.00	\$0.00	N/A	N/A	N/A
Power Dividers	\$6,500.00	\$6,500.00	KUCW Allocated cost estimate for replacement power dividers as needed for Aux Antenna.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog	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
Kathrein Panels	\$100,000.00	\$100,000.00	DTV Utah Estimated allocated costs for KUCW for replacement panels for Aux Antenna.	N/A	N/A

Kathrein Engineering	\$20,850.00	\$20,850.00	Estimated KUCW allocated costs for Kathrein to optimize and test replacement panels for Aux antenna.	N/A	N/A
Feeder Cables	\$4,500.00	\$4,500.00	KUCW Allocated cost estimate for replacement feeder cables for Aux antenna as required.	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	
Interconnection to new combiner	<i>\$82,000.00</i>	\$82,000.00	KUCW Allocated cost estimate for interconnecting coax from new transmitter to new combiner input.	N/A	N/A
RF Optimization on new RF Channels	<i>\$7,500.00</i>	\$7,500.00	KUCW allocated cost estimate for optimization of line on new channels. Main Antenna.	N/A	N/A
Replacement Section	<i>\$7,000.00</i>	\$7,000.00	KUCW Allocated cost estimate for replacement transmission line as needed.	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	KUCW Allocated cost estimate for replacement transmission line section as needed.	N/A	N/A

Interconnect to Combiner	\$82,000.00	\$82,000.00	KUCW allocated cost estimate to interconnect coax from transmitter to aux antenna combiner	N/A	N/A
RF Optimization	\$5,000.00	\$5,000.00	KUCW allocated cost estimate for optimization of line on new channels. Aux Antenna.	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	
Complex Tower (includes, for example, those with candelabras and /or stacked antennas)	\$421,000.00	\$0.00	N/A	N/A	N/A
Rigging to replace panels on Antennas	<i>\$95,000.00</i>	\$95,000.00	KUCW allocated cost estimate of rigging and labor to replace antenna panels.	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	
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), 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 - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	Catalog	N/A	N/A
Reimbursement Reviews	<i>\$10,600.00</i>	\$10,600.00	Reimbursement Reviews with FCC and E&Y	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
RF Consultant	\$16,000.00	\$16,000.00	KUCW Allocation of costs RF Consulting Engineer for antenna and combiner system design. Vendor specs and system range testing.	N/A	N/A
Allocation Consulting	\$15,000.00	\$15,000.00	KUCW Allocation of RF Engineering costs to review channel assignments, allocatoins, interference issues, alternative channels. Support can not construct filings.	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	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

Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	Catalog	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	Catalog	N/A	N/A
Additional Field Engineering Service, 30 Days	\$45,000.00	\$45,000.00	RF Engineer to supervise construction and installation of KUCW equipment	N/A	N/A
Project management of the transition	\$39,500.00	\$37,500.00	Catalog	N/A	N/A
Building Structural Engineering	\$30,900.00	\$30,900.00	KUCW Allocated cost estimate for cost related to structural analysis of building and 2nd floor weight and support issues for combiner; beam supplies, heat exchangers etc.	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
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	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
Prepare and File FCC Progress Reports	\$18,000.00	\$18,000.00	Prepare and file FCC Progress Reports	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	
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	Estimate to notify MVPD of channel change.	N/A	N/A
Local Zoning	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
Equipment Storage	<i>\$37,500.00</i>	\$37,500.00	DTV Utah allocated cost estimate for KUCW for equipment storage at mountain base, pod rentals, land lease, storage logistics.	N/A	N/A
Removal and Disposal of Existing Equipment	<i>\$35,000.00</i>	\$35,000.00	Removal and disposal of KUCW equipment down the mountain.	N/A	N/A
Site Access and Transportation	<i>\$27,500.00</i>	\$27,500.00	KUCW allocated cost estimate for site access and transportation: Snow Cat; Helicopter Access, Road Clearing, Plowing; etc.	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$11,000.00	Catalog	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	Catalog	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	Catalog	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	Catalog	N/A	N/A
Develop and air announcement of upcoming channel change	\$3,500.00	\$3,500.00	Production costs to develop and air channel change announcement	N/A	N/A
Equipment Delivery and Handling Charges	\$45,000.00	\$45,000.00	KUCW allocated cost estimate for delivery and handling of equipment up the mountain.	N/A	N/A
BLM or NFS Coordination	\$1,500.00	\$1,500.00	KUCW allocated cost estimate for BLM lease issues	N/A	N/A
Non-zoning permits	\$5,900.00	\$5,900.00	KUCW allocated cost estimate for permits DTV Utah	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$27,500.00	\$27,500.00	KUCW allocated cost estimate for combiner and other common equipment to be removed from building, transported down mountain, and disposed. Rigging.	N/A	N/A
Accounting	\$5,800.00	\$5,800.00	KUCW allocated costs estimate for DTV Utah cost accounting for project and bookkeeping.	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
	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>Elizabeth Ryder <i>General Counsel</i></p> <p>07/11/2017</p>

Attachments