



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **35380** | Service: **DTV** | Call **KOIN** | Channel: **25 (UHF)** |
ID: | Sign:
File **0000028763**
Number:
FRN: **0009961889** | Date **11/05**
Submitted: **/2018**

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	See attached 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	Sigma
	Year	2000
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	75 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTED-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47.2 kW
	Justification for New Transmitter	Existing transmitter cannot be converted to repacked channel per manufacturer and is no longer supported. We will upgrade to an SS at one step up from required TPO.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A

	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	150.0 feet
	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

Primary

Transmitter

Other Transmitter Cost Not Listed

Information not provided.

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	THU9EVO-4
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	6.5 kW
	Justification for New Transmitter	A new interim transmitter is required at an alternate site because the existing site does not have the capacity to install a new transmitter until the old transmitter is taken off air.

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes

	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	150.0 feet
	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	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?	Yes
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	3
	Number of Panels	80
	Design power capacity in use	100.0 %
	Lower Limit	580.00 MHz
	Upper Limit	700.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	3000.0 kW

	Manufacturer	
	Model	PHP80E
	Year	2005

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

Facility ID	Call Sign
10192	KRCW-TV
21649	KATU

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?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	3
	Number of Panels/Bays	64
	Lower Limit	470.00 MHz
	Upper Limit	630.00 MHz
	Design power capacity in use	85.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	3000.0 kW
	Manufacturer	

Model	TUM25-O4-16/64H-2-R-T
Year	2017
Justification for New Antenna	Current antenna does not achieve omni pattern and was not designed for the lower frequency range needed by two of the stations. Parts are unavailable and manufacturer no longer supports the product.

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	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	Yes
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband

	Feed Line Size	8 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number
33
24
25

**Primary
Antenna**

Other Antenna Cost Not Listed

Information 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?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	3
	Number of Panels/Bays	8
	Lower Limit	539.00 MHz
	Upper Limit	587.00 MHz
	Design power capacity in use	15.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	50.0 kW
	Manufacturer	
	Model	TUM-O4-8 /32H-1-R-T
	Year	2018

	Justification for New Antenna	Station must build interim facilities to be able to be on air by the transition date and to remain on air while the main site is rigged.
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Interim 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	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	6 1/8 inches
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

Enter a list of RF channel numbers.

RF Channel Number
33
24
25

**Interim
Antenna**

Other Antenna Cost Not Listed

Information not provided.

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	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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Flexible Air
	Diameter	5 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	4
	Length	1000 feet per run

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

Facility ID	Call Sign
21649	KATU
10192	KRCW-TV

Primary **New Transmission Line**
Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1010 feet per run
	Justification for New Transmission Line	Line is no longer manufactured and will not support new antenna.

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

Information not provided.

Interim
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	6 1/8 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	900 feet per run
	Justification for New Transmission Line	Required for interim facility.

Interim
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	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?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1207367
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	45° 30' 57.8" N-
	Longitude (NAD83)	122° 44' 03.1" W-
	Overall Structure Height	989.82 feet
	Support Structure Height	920.92 feet

	Ground Elevation Above Mean Sea Level (AMSL)	1059.04 feet
	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	Sylvan Tower Co., LLC
	Date Constructed	02/09/2000

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
21649	KATU	DTV
10192	KRCW-TV	DTV

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained

Helicopter Services Required	Are helicopter services required?	No
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**Primary
Tower**

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	750
	Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects.
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	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes

	Number of Days	15
	Justification	Complexity of tower site and shared systems will require additional time on site.

Outside Professional Services Costs **Other Professional Services Expenses Not Listed**
Services not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	Yes
	Is Remediation needed?	Yes
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	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
	Information not provided.

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 THU9EVO-4	\$333,900.00	\$324,700.00		\$283,605.00	
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	\$273,500.00	\$266,000.00	N/A	\$243,805.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$37,150.00	N/A	\$25,191.64	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$7,800.00	\$7,500.00	N/A	\$5,100.78	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$14,050.00	N/A	\$9,507.58	N/A
Primary Transmitter ULXTED-72	\$1,533,400.00	\$1,418,775.00		\$1,302,455.00	
Switchgear - industrial 800 amp	\$38,200.00	\$37,150.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$7,800.00	\$7,500.00	N/A	N/A	N/A

Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$14,050.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,360,075.00	See attached quotes. The SS quote is less than the \$1,388,470 for a 2 tube IOT. So we have used the cost of the SS as the reimbursable estimate.	\$1,302,455.00	N/A
Sub-total	\$1,867,300.00	\$1,743,475.00	N/A	\$1,586,060.00	N/A
Total for all systems	\$5,004,549.50	\$3,668,111.11	N/A	\$1,697,765.30	N/A

Components

Actual Information	
Description	File Name
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	<div> Component Description: Aux Transmitter 75% balance due Amount: \$182,853.75 </div> <div> Component Description: Downpayment 25% Aux Transmitter Amount: \$60,951.25 </div>

Switchgear - industrial 800 amp	Component Description: Electrical services related to Interim transmitter Amount: \$25,191.64
3" Rigid Conduit and Wiring (Cost per foot)	Component Description: Electrical services related to Interim transmitter Amount: \$5,100.78
Service entrance 3 phase /800 amp/208 volt	Component Description: Electrical services related to Interim transmitter Amount: \$9,507.58
Switchgear - industrial 800 amp	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Service entrance 3 phase /800 amp/208 volt	Information not provided.

UHF - Liquid Cooled Solid
State Transmitter 35 - 50
kW

Component Description:

Remaining cost is
net of \$210,000 not
to be reimbursed
by FCC. Net cost
of Rohde and
Schwarz invoices
agrees to quote
attached.

Amount:

\$143,238.75

Component Description:

Electrical services
for main transmitter

Amount:

\$99,500.00

Component Description:

50%
downpayment; see
also quote from
Rohde and
Schwarz

Amount:

\$706,477.50

Component Description:

25% down
payment on
transmitter; see
also quote from
Rohde and
Schwarz

Amount:

\$353,238.75

Cost
Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TUM-O4-8 /32H-1-R-T	\$306,680.00	\$297,220.00		\$0.00	
Sweep test of existing antenna	\$6,730.00	\$3,200.00	Total Cost: \$6,400.00 (see Dielectric quote) Total Reimbursable Cost: 50% Shared Cost: \$3,200.00 Note: KRCW also shares but is a non-repack station. Therefore, shared costs are 50% just like Sutro and DTV Utah with respect to non- repack stations.	N/A	N/A

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$11,970.00	<p>Total Cost: \$23,940.00 (see Dielectric quote) Total Reimbursable Cost: 50% Shared Cost: \$11,970.00</p> <p>Note: KRCW also shares but is a non-repack station.</p> <p>Therefore, shared costs are 50% just like Sutro and DTV Utah with respect to non-repack stations.</p>	N/A	N/A
UHF - High Power Top Mount Three Station broadband panel antenna horizontally polarized	\$202,050.00	\$202,050.00	<p>Total Cost: \$404,100.00 Subtract V-pol Cost: Total Reimbursable Cost: 50% Shared Cost: \$202,050</p> <p>Note: KRCW also shares but is a non-repack station.</p> <p>Therefore, shared costs are 50% just like Sutro and DTV Utah with respect to non-repack stations.</p>	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	N/A	N/A	N/A

Primary Antenna TUM25-O4- 16/64H-2-R- T	\$547,699.50	\$461,890.61		\$0.00	
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$18,950.00	\$17,760.00	<p>Total Cost: \$35,520.00 (see Dielectric quote) Total Reimbursable Cost: 50% Shared Cost: \$17,760.00 Note: KRCW also shares but is a non-repack station. Therefore, shared costs are 50% just like Sutro and DTV Utah with respect to non-repack stations.</p>	N/A	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$49,111.11	<p>Total Cost: \$327,420 (Dielectric Quote) Minus \$69,197.78 (Change Order) 50% Shared Cost: \$129,111.11 \$49,111.11 applied in this category. Reimbursement amount remaining: \$80,000 which is requested in "New Combiner" component in this section.</p>	N/A	N/A

New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	Total Cost: \$327,420 (Dielectric Quote) Minus \$69,197.78 (Change Order) 50% Shared Cost: \$129,111.11 \$80,000 applied in this category. Reimbursement amount remaining: \$49,111.11 which is requested in "Combiner Output Splitting" component in this section.	N/A	N/A
UHF - High Power Top Mount Three Station broadband panel antenna elliptically or circularly polarized	\$311,819.50	\$311,819.50	H-pol Antenna Cost: \$591,785 (Dielectric Quote) + \$31,854 (Bury Ext. Change Order). Total 50% Shared Cost: \$311,819.50 Note - KRCW also shares but is a non-repack station. Therefore, shared costs are 50% just like Sutro & DTV Utah non-repack stations.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$3,200.00	KOIN's share of the cost.	N/A	N/A
Sub-total	\$854,379.50	\$759,110.61	N/A	\$0.00	N/A

Total for all systems	\$5,004,549.50	\$3,668,111.11	N/A	\$1,697,765.30	N/A
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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
Interim Transmission Line	\$208,800.00	\$70,672.00		\$0.00	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$208,800.00	\$70,672.00	Total Cost: \$141,344.00 50% Shared Cost: \$70,672.00 See Dielectric Quote Note: KRCW also shares but is a non- repack station. Therefore, shared costs are 50% just like Sutro and DTV Utah with respect to non-repack stations.	N/A	N/A
Primary Transmission Line	\$805,980.00	\$266,245.50		\$0.00	

Rigid Transmission Line - copper, 8 3 /16" broadband	\$805,980.00	\$266,245.50	Total Cost: \$532,491.00 50% Shared Cost: \$266,245.00 See Dielectric Quote Note: KRCW also shares but is a non- repack station. Therefore, shared costs are 50% just like Sutro and DTV Utah with respect to non-repack stations.	N/A	N/A
Sub-total	\$1,014,780.00	\$336,917.50	N/A	\$0.00	N/A
Total for all systems	\$5,004,549.50	\$3,668,111.11	N/A	\$1,697,765.30	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	\$854,600.00	\$421,800.00		\$68,705.00	
Major tower reinforcement /modifications	\$421,000.00	\$204,750.00	Total Catalog Cost: \$409,500.00 50% Shared Cost: \$204,750.00 Note: KRCW also shares but is a non- repack station. Therefore, shared costs are 50% just like Sutro and DTV Utah with respect to non-repack stations.	N/A	N/A

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$204,750.00	Total Catalog Cost: \$409,500.00 50% Shared Cost: \$204,750.00 Note: KRCW also shares but is a non-repack station. Therefore, shared costs are 50% just like Sutro and DTV Utah with respect to non-repack stations.	\$60,000.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,300.00	N/A	\$8,705.00	N/A
Sub-total	\$854,600.00	\$421,800.00	N/A	\$68,705.00	N/A
Total for all systems	\$5,004,549.50	\$3,668,111.11	N/A	\$1,697,765.30	N/A

Components

Actual Information	
Description	File Name
Major tower reinforcement /modifications	Information not provided.

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<div> <div>Component Description:</div> <div>Antenna removal and aux antenna installation</div> <div>Amount:</div> <div>\$60,000.00</div> </div>
Structural engineering tower load study for well documented tower	<div> <div>Component Description:</div> <div>Structural analysis required for permit</div> <div>Amount:</div> <div>\$8,705.00</div> </div>

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	\$258,570.00	\$253,100.00		\$19,486.50	
Additional Field Engineering Service, 15 Days	<i>\$81,000.00</i>	\$81,000.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,500.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,050.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,170.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,305.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,120.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,535.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,070.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,170.00	N/A	\$2,362.50	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,560.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,070.00	N/A	\$1,000.00	N/A
Project management of the transition	\$118,500.00	\$115,500.00	N/A	\$15,574.00	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,050.00	N/A	\$550.00	N/A

Sub-total	\$258,570.00	\$253,100.00	N/A	\$19,486.50	N/A
Total for all systems	\$5,004,549.50	\$3,668,111.11	N/A	\$1,697,765.30	N/A

Components

Actual Information Description	File Name
Additional Field Engineering Service, 15 Days	Information not provided.
RF Exposure Measurements	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	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 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	Component Description: Engineering study for new channel assignment Amount: \$787.50	
	Component Description: Engineering study for new channel assignment Amount: \$525.00	
	Component Description: Engineering study for new channel assignment Amount: \$175.00	
	Component Description: Engineering study for new channel assignment Amount: \$1,050.00	
Prepare and or review reimbursement form	Information not provided.	
Prepare request for Special Temporary Authorization	Component Description: Prepare STA filing, item 6 from invoice summary Amount: \$1,000.00	
Project management of the transition	Component Description: Project management services 6/30/18 through 7/27/18 Amount: \$300.00	

Component Description:	Project management services 5/26/18 through 6/29/18
Amount:	\$675.00

Component Description:	Prepare FCC Schedule 387, item 3 from invoice summary
Amount:	\$150.00

Component Description:	Project management services, item 5 from invoice summary
Amount:	\$6,424.00

Component Description:	Prepare FCC schedule 387 Progress Report, item 2 from invoice summary
Amount:	\$300.00

Component Description:	Project management, item 1 from invoice summary
Amount:	\$6,825.00

	Component Description:	Project Management for Structural Analysis and Tower Modifications including consultants Kessler and Gehman Associates. Services from January 27, 2018 through February 23, 2018.
	Amount:	\$900.00
	Component Description:	FCC Study Transition and Design
	Amount:	\$3,051.31
	Component Description:	FCC Transition Study and Design
	Amount:	\$1,650.00
	Component Description:	FCC Transition Study and Design
	Amount:	\$1,387.50
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Component Description:	Prepare FAA filing, item 4 from invoice summary
	Amount:	\$550.00

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	\$151,020.00	\$149,958.00		\$23,513.80	
MVPD Notification of Channel Change	<i>\$2,500.00</i>	\$2,500.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$6,500.00</i>	\$6,500.00	Develop and produce spots and crawls for viewer notification.	N/A	N/A
Equipment Storage	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$25,000.00</i>	\$25,000.00	See Radio Tower proposal attached.	\$18,621.00	N/A
Non-zoning permits	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Local Zoning	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$195.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$333.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,250.00	N/A	\$4,892.80	N/A
AM Pattern Disturbance -- Remedy	\$21,050.00	\$20,500.00	N/A	N/A	N/A
AM Pattern Disturbance -- Impact study	\$7,890.00	\$7,680.00	N/A	N/A	N/A
Sub-total	\$151,020.00	\$149,958.00	N/A	\$23,513.80	N/A
Total for all systems	\$5,004,549.50	\$3,668,111.11	N/A	\$1,697,765.30	N/A

Components

Actual Information	
Description	File Name
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	<div> Component Description: Transmitter removal </div> <div> Amount: \$18,621.00 </div>
Non-zoning permits	Information not provided.
Local Zoning	Information not provided.

FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	<div> <div> Component Description: Amount: </div> <div> Notification of Medical Facilities \$4,892.80 </div> </div>
AM Pattern Disturbance -- Remedy	Information not provided.
AM Pattern Disturbance -- Impact study	Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$5,004,549.50	\$3,668,111.11
			\$1,697,765.30

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.

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.

**Elizabeth
Ryder**
*General
Counsel*

11/05/2018

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Elizabeth Ryder <i>General Counsel</i></p> <p>11/05/2018</p>

Attachments