



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **68889** | Service: **DTV** | Call **KTVX** | Channel: **30 (UHF)** |
ID: | Sign:
File **0000028267**
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 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? | 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 |
|-------------|-----------|
| 1136 | KUCW |
| 35823 | KUTV |
| 36607 | KJZZ-TV |
| 6359 | KSL-TV |
| 6823 | KBYU-TV |
| 69396 | KUED |
| 69582 | KUEN |

Primary Transmission Line

Other Transmission Line Expenses Not Listed

| 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 |
| | | |

| | | |
|---|--|------------------|
| 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 |
|-------------|-----------|
| 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

| Line 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 |
|--|---------------|---|

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) | \$30,000.00 | \$30,000.00 | KTVX Allocated costs for modification of HVAC systems. | N/A | N/A |
| Other -- Building Addition Size: 1000.0 | \$37,500.00 | \$37,500.00 | DTV Utah - KTVX Allocated costs for modification of building. | 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 |
| Removal of Existing Equipment | \$75,000.00 | \$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 | \$100,000.00 | \$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 | \$0.00 | \$0.00 | N/A | N/A | N/A |
| Kathrein Engineering Fees | \$20,850.00 | \$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 | \$6,500.00 | \$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 | \$4,500.00 | \$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 | \$4,000.00 | \$4,000.00 | Aux Antenna - KTVX Estimated allocation of costs for replacement line sections as required. | N/A | N/A |
| Optimization of Existing Line | \$5,000.00 | \$5,000.00 | RF Optimization of transmission line on new channels. Aux Antenna. | N/A | N/A |
| Interconnection to Aux Combiner | \$82,000.00 | \$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 | \$45,000.00 | \$45,000.00 | RF Engineer on site to supervise installation and construction of KTVX Equipment. | N/A | N/A |

| | | | | | |
|---------------------------------------|--------------------|-------------|---|-----|-----|
| Allocation Consulting | \$15,000.00 | \$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 | \$30,900.00 | \$30,900.00 | KTVX Allocation of costs related to building structural and weight analysis. | 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 |
| Reimbursement Reviews | \$10,600.00 | \$10,600.00 | Reimbursement Reviews with FCC, E&Y, Cavell. | N/A | N/A |
| RF Consultant | \$16,000.00 | \$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) | \$27,500.00 | \$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 | \$45,000.00 | \$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 | \$5,000.00 | \$5,000.00 | N/A | N/A | N/A |
| Site Access and Transportation | \$27,500.00 | \$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 | \$5,800.00 | \$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 | \$37,500.00 | \$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 | \$35,000.00 | \$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 |
|---------------|---|---|----------|
| | 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