



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **6359** | Service: **DTV** | Call **KSL-TV** | Channel: **23 (UHF)** |  
ID: | Sign:  
File **0000028696**  
Number:  
FRN: **0006165955** | Date **07/12**  
Submitted: **/2017**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant   | Address   | Phone             | Email                  | Applicant Type |
|---|---|-------------------|------------------------|----------------|
| <b>BONNEVILLE INTERNATIONAL CORPORATION</b><br>Doing Business As:<br>BONNEVILLE INTERNATIONAL CORPORATION | Michael L. Dowdle<br>55 NORTH 300 WEST<br>2ND FLOOR<br>SALT LAKE CITY, UT<br>84101<br>United States | +1 (801) 575-5874 | mdowdle@bonneville.com | 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 |
|-----------|---------|-------|-------|
|-----------|---------|-------|-------|

|   |  |                       |                    |
|---|--|-----------------------|--------------------|
| <b>Scott Cameron Jones ,<br/>JONES .</b><br><i>Director Engineering and<br/>Technology<br/>Bonneville International</i> | SCOTT CAMERON<br>JONES<br>PO Box 1160<br>Suite 200<br>Salt Lake City, UT<br>84180<br>United States | +1 (801) 575-<br>7433 | sjones@ksl.<br>com |
|---|--|-----------------------|--------------------|

**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 Exhibit A (attached) |

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

| Section   | Question   | Response                 |
|---|--|--------------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New          |
|   | Use  | Primary<br>(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                      |
| <b>Existing Transmitter<br/>Manufacturer and Type</b> | Manufacturer   |                          |
|   | Model  | Paragon<br>DCXP-2        |
|   | Year   | 2007                     |
|   | Type   | Inductive<br>Output Tube |
|   | IOT Power Type   | Two                      |
|   | Power Capacity   | 40 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                                     | ULXTE-60  |
|                 | Transmitter Type                          | Solid State   |
|                 | Solid State Cooling                       | Liquid Cooled   |
|                 | Solid State Power capacity                | 40 kW   |
|                 | Justification for New Transmitter         | Manufacturer does not recommend retuning current IOT transmitter. Cost of retuning is close to cost to replacement. See Exhibit B |

**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                                  | 2 inches |

|  |   |  |
|--|---|--|
|  | Length  | 800.0 feet                                       |
|  | Other Electrical Service  | Yes  |
|  | Description   | Add breaker panels, breakers and infrastructure. |
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | No   |
|  | Type  | N/A  |
|  | Size  | N/A  |
|  | Other Size  | N/A  |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No   |
|  | Size  | N/A  |
| <b>Channel 14 Costs</b>  | 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      |
|------------------------|-----------------------------------|---------------|
| <b>New Transmitter</b> | Use                               | Interim       |
|                        | Description of Use                | N/A           |
|                        | Change Type                       | Purchase      |
|                        | Manufacturer                      |               |
|                        | Model                             | ULXTE-20      |
|                        | Transmitter Type                  | Solid State   |
|                        | Solid State Cooling               | Liquid Cooled |
|                        | Solid State Power capacity        | 12.9 kW       |
|                        | Justification for New Transmitter | See Exhibit C |

**Interim  
Transmitter****Other Transmitter Costs**

| Section                   | Question   | Response            |
|---------------------------|--|---------------------|
| <b>Electrical Service</b> | Service Entrance (3 phases 800A 208V)                  | No                  |
|                           | Switchgear (industrial 800 amp)                        | Yes                 |
|                           | Transformer (480V)                                     | Yes                 |
|                           | Power  | 300 kVA             |
|                           | Rigid Conduit and Wiring                               | Yes                 |
|                           | Size   | 2 inches            |
|                           | Length   | 800.0 feet          |
|                           | Other Electrical Service                               | No                  |
|                           | Description  | N/A                 |
| <b>HVAC Service</b>       | Does the replacement transmitter require HVAC Service? | Yes                 |
|                           | Type   | Heating and Cooling |

|  |   |         |
|--|---|---------|
|  | Size  | 50 tons |
|  | Other Size  | N/A     |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No      |
|  | Size  | N/A     |
| <b>Channel 14 Costs</b>  | 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     |
| <b>Inside RF System</b>  | Is an additional interior RF system required to support this interim transmitter?             | Yes     |

**Interim Transmitter**      **Other Transmitter Cost Not Listed**

| Name                       |  | Description   |
|----------------------------|--|---|
| <b>Frequency Reference</b> |  | Synchronize transmitter frequencies to avoid interference issues. See Exhibit C |

**Antennas**

| Section                  | Question                              | Response |
|--------------------------|---------------------------------------|----------|
| Antenna Related Expenses | Do you have antenna related expenses? | Yes      |



**Primary  
Antenna**

**Existing Antenna Information**

| Section   | Question   | Response           |
|---|--|--------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change   | Purchase<br>New    |
|   | Antenna Use  | Primary<br>(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?                             | Yes                |
|   | Is antenna in operating condition?                               | Yes                |
|   | Is antenna located on or in close proximity to an antenna farm?  | Yes                |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|   | Mounting   | Top Mount          |
|   | Antenna position in stack  | Top                |
|   | Polarization   | Horizontal         |
|   | Type   | Broadband<br>Panel |
|   | Number of Stations Supported                                     | 8                  |
|   | Number of Panels   | 48                 |
|   | Design power capacity in use                                     | 81.0 %             |
|   | Lower Limit  | 590.00 MHz         |
|   | Upper Limit  | 680.00 MHz         |
|   | Other Antenna Type   | N/A                |
|   | ERP: (Effective Radiated Power)                                  | 546.0 kW           |

|  |              |         |
|--|--------------|---------|
|  | Manufacturer |         |
|  | 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   |
| 68889       | KTVX      |
| 69396       | KUED      |
| 69582       | KUEN      |

**Primary  
Antenna**

**New Antenna Costs**

| Section                                       | Question   | Response           |
|---|--|--------------------|
| <b>New Antenna<br/>Description</b>            | Use  | Primary<br>(Main)  |
|   | Description of Use   | N/A                |
|   | Change Type  | Purchase<br>New    |
|   | Is this a request for upgraded equipment?                            | Yes                |
|   | Ownership  | Owned              |
|   | Owner  | N/A                |
|   | Is antenna shared?   | Yes                |
|   | Is antenna directional?  | Yes                |
|   | Will antenna be located on or in close proximity to an antenna farm? | Yes                |
| <b>New Antenna<br/>Manufacturer and Types</b> | Class  | Full Power         |
|   | Mounting   | Top Mount          |
|   | Antenna position in stack  | Top                |
|   | Polarization   | Horizontal         |
|   | Type   | Broadband<br>Panel |
|   | Number of Stations Supported   | 8                  |
|   | Number of Panels/Bays  | 48                 |
|   | Lower Limit  | 470.00 MHz         |
|   | Upper Limit  | 608.00 MHz         |
|   | Design power capacity in use   | 50.0 %             |
|   | Other Antenna Type   | N/A                |
|   | ERP: (Effective Radiated Power)<br>.....                             | 398.0 kW           |
|   | Manufacturer   |                    |
|   | Model  | 759 25063          |

|                               |  |
|-------------------------------|--|
| Year                          | 2017   |
| Justification for New Antenna | Existing antenna cannot be retuned to service new channel assignments. See Exhibit D |

## Primary Antenna

### Other Antenna Costs

| Section                            | Question  | Response                  |
|------------------------------------|---|---------------------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?  | Yes                       |
|                                    | Type  | New                       |
|                                    | Number of channels supported  | 8                         |
|                                    | Frequencies of channels supported   | Upper and lower frequency |
|                                    | Frequency   | 470.0 MHz - 608.0 MHz     |
|                                    | Do you need a combiner output splitter /switcher for dual feed lines?                                       | Yes                       |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?  | Yes                       |
|                                    | Broadband or Single Channel?  | Broadband                 |
|                                    | Feed Line Size  | 6 1/8 inches              |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power antenna?                       | No                        |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No                        |

|                   |  |     |
|-------------------|--|-----|
| <b>Sweep Test</b> | Do you require the sweep testing of transmission line and antenna? | Yes |
|-------------------|--|-----|

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

| <b>Name</b>                 | <b>Description</b>  |
|-----------------------------|---|
| <b>Antenna Installation</b> | Install 48 new broadband panels with harness. See Exhibit D |

**Transmission Line**

| Section                            | Question  | Response |
|------------------------------------|---|----------|
| Transmission Line Related Expenses | Do you have transmission line related expenses? | No       |

**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                                   | 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 |
|-------------|-----------|---------|
| 6359        | KSL-TV    | DTV     |
| 36607       | KJZZ-TV   | DTV     |
| 77512       | KPNZ      | DTV     |
| 35823       | KUTV      | DTV     |
| 69582       | KUEN      | DTV     |
| 69396       | KUED      | DTV     |
| 68889       | KTVX      | DTV     |
| 6823        | KBYU-TV   | DTV     |
| 1136        | KUCW      | DTV     |

**Other Types of Users**

| Users |
|-------|
|-------|

**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                  |

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.



**Outside  
Professional Services Costs**

| Section   | Question   | Response   |
|---|--|--|
| <b>Outside Project Management Services</b>        | Do you require outside project management services?                          | Yes  |
|   | Number of Hours  | 800  |
|   | Explanation  | The myriad of tasks, the amount of common equipment, the logistics and the implementation is extremely complex and requires coordination between members of DTV Utah, LLC. See Exhibit K |
| <b>Outside RF consulting Engineering Services</b> | 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 |
| <b>Attorney and Other<br/>Outside Consulting<br/>Services</b> | 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   | 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 |
| <b>RF Field Engineering<br/>Services</b>                      | Comprehensive coverage verification via field study  | Yes |
|   | RF exposure measurements   | Yes |
|   | Additional Field Engineering Service   | No  |
|   | Number of Days   | N/A |
|   | Justification  | N/A |

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

## Other Expenses

| Section                             | Question   | Response |
|-------------------------------------|--|----------|
| <b>AM Pattern Disturbance</b>       | Is an Impact Study needed?   | No       |
|                                     | Is Remediation needed?   | No       |
| <b>Facility Expenses</b>            | 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      |
| <b>Permit and Filing Costs</b>      | Local Zoning   | No       |
|                                     | Non-zoning permits   | Yes      |
|                                     | BLM or NFS Coordination  | No       |
|                                     | FCC Construction Permit Minor Change   | Yes      |
|                                     | FCC License to Cover Application   | Yes      |
|                                     | FCC Special Temporary Authority Application  | Yes      |
| <b>Other Miscellaneous Expenses</b> | 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   |
|------------------------------|---|
| Adjacent channel mask filter | Adjacent channel mask filter for KSTU channel 28 to protect KUED on channel 27. See Exhibit N                             |
| Refuse disposal              | Remove garbage from mountain top site   |
| Road Maintenance             | Plowing, grading, repairs and material to existing road to mountain top site. See Exhibit R                               |
| Temp sanitation              | For workers on site   |
| Transportation Services      | Use snow-cat and helicopter to transport crews and equipment to the mountain site during winter conditions. See Exhibit R |

## 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 |
|---|-----------------------------|-----------------------|----------------------------------|---------------|---------------------------|
| <b>Interim Transmitter ULXTE-20</b>                     | <b>\$1,005,240.00</b>       | <b>\$130,792.00</b>   |                                  | <b>\$0.00</b> |                           |
| 50 Ton system   | \$266,000.00                | \$31,625.00           | 1/8th shared cost                | N/A           | N/A                       |
| Transformer 3 phase/480v - 300 KVA                      | \$36,800.00                 | \$4,375.00            | 1/8th shared cost                | N/A           | N/A                       |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00                | \$68,995.00           | 1/8th shared cost. See Exhibit C | N/A           | N/A                       |
| Frequency Reference                                     | <i>\$1,440.00</i>           | \$1,440.00            | 1/8th shared cost                | N/A           | N/A                       |
| UHF inside RF system including switching                | \$147,500.00                | \$17,500.00           | 1/8th shared cost                | N/A           | N/A                       |
| Switchgear - industrial 800 amp                         | \$38,200.00                 | \$4,357.00            | 1/8th cost                       | N/A           | N/A                       |
| 2" Rigid Conduit and Wiring (Cost per foot)             | \$20,800.00                 | \$2,500.00            | 1/8th shared cost                | N/A           | N/A                       |
| <b>Primary Transmitter ULXTE-60</b>                     | <b>\$1,578,800.00</b>       | <b>\$1,425,077.00</b> |                                  | <b>\$0.00</b> |                           |
| 2" Rigid Conduit and Wiring (Cost per foot)             | \$20,800.00                 | \$20,000.00           | N/A                              | N/A           | N/A                       |

|  |                    |                |   |        |     |
|--|--------------------|----------------|---|--------|-----|
| Transformer 3<br>phase/480v -<br>300 KVA   | \$36,800.00        | \$35,000.00    | N/A   | N/A    | N/A |
| Switchgear -<br>industrial 800<br>amp  | \$38,200.00        | \$36,300.00    | N/A   | N/A    | N/A |
| UHF - Liquid<br>Cooled Solid<br>State<br>Transmitter 35 -<br>50 kW                     | \$1,473,000.00     | \$1,323,777.00 | New<br>transmitter.<br>See Exhibit<br>B         | N/A    | N/A |
| Other Electrical<br>Service: Add<br>breaker panels,<br>breakers and<br>infrastructure. | <b>\$10,000.00</b> | \$10,000.00    | Install new<br>breaker<br>panel and<br>breakers | N/A    | N/A |
| <b>Sub-total</b>   | \$2,584,040.00     | \$1,555,869.00 | N/A   | \$0.00 | N/A |
| <b>Total for all<br/>systems</b>   | \$6,399,609.23     | \$3,442,300.07 | 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 |
|---|-----------------------------|---------------------|---|---------------|---------------------------|
| <b>Primary Antenna 759 25063</b>  | <b>\$425,804.23</b>         | <b>\$380,671.07</b> |   | <b>\$0.00</b> |                           |
| Sweep test of existing antenna  | \$6,730.00                  | \$2,125.00          | 1/8th shared cost   | N/A           | N/A                       |
| Combiner output splitting /switching for dual feed lines, if applicable                 | \$126,000.00                | \$0.00              | Included in combiner cost. See Exhibit E                                  | N/A           | N/A                       |
| Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)             | \$13,700.00                 | \$1,625.00          | 1/8th shared cost   | N/A           | N/A                       |
| Antenna Installation  | <b>\$37,677.00</b>          | \$37,677.00         | 1/8th shared cost. See Exhibit D  | N/A           | N/A                       |
| New combiner, cost per channel (without antenna)  | \$84,200.00                 | \$181,746.84        | 1/8th shared cost for replacement waveguide combiner                      | N/A           | N/A                       |
| UHF - High Power Top Mount Eight Station broadband panel antenna horizontally polarized | <b>\$157,497.23</b>         | \$157,497.23        | 1/8th shared costs for new antenna panels and harness kits. See Exhibit D | N/A           | N/A                       |



|                              |                |                |     |        |     |
|------------------------------|----------------|----------------|-----|--------|-----|
| <b>Sub-total</b>             | \$425,804.23   | \$380,671.07   | N/A | \$0.00 | N/A |
| <b>Total for all systems</b> | \$6,399,609.23 | \$3,442,300.07 | N/A | \$0.00 | N/A |

## Components

Information not provided.

**Cost Information**      **Transmission Line**  
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                | \$101,500.00   |                              | \$0.00      |                           |
| Structural engineering tower load study for well documented tower                      | \$12,600.00                 | \$1,500.00     | 1/8th shared costs           | N/A         | N/A                       |
| Major tower reinforcement /modifications   | \$421,000.00                | \$50,000.00    | 1/8th shared cost            | N/A         | N/A                       |
| Complex Tower (includes, for example, those with candelabras and /or stacked antennas) | \$421,000.00                | \$50,000.00    | 1/8th shared cost            | N/A         | N/A                       |
| Sub-total  | \$854,600.00                | \$101,500.00   | N/A                          | \$0.00      | N/A                       |
| Total for all systems  | \$6,399,609.23              | \$3,442,300.07 | 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 |
|--|-----------------------------|--------------------|------------------------------|---------------|---------------------------|
| <b>Outside Professional Services</b>   | <b>\$272,300.00</b>         | <b>\$73,250.00</b> |                              | <b>\$0.00</b> |                           |
| Address transition timing and coordination issues w/ other stations and wireless       | \$2,630.00                  | \$2,500.00         | N/A                          | N/A           | N/A                       |
| Perform engineering study for new channel assignment and antenna development           | \$7,360.00                  | \$7,000.00         | N/A                          | N/A           | N/A                       |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application   | \$3,155.00                  | \$3,000.00         | N/A                          | N/A           | N/A                       |
| Project management of the transition   | \$126,400.00                | \$28,000.00        | 1/8th shared costs           | N/A           | N/A                       |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00                  | \$5,000.00         | N/A                          | N/A           | N/A                       |

|   |              |             |                          |        |     |
|---|--------------|-------------|--------------------------|--------|-----|
| Attorney Fees -<br>Prepare and File<br>FCC Form 2100<br>(main), License<br>to Cover<br>Application  | \$2,365.00   | \$2,250.00  | N/A                      | N/A    | N/A |
| Attorney Fees -<br>Negotiation of<br>lease and other<br>matters for<br>shared locations             | \$4,210.00   | \$4,000.00  | N/A                      | N/A    | N/A |
| Attorney Fees -<br>Prepare and File<br>request for<br>Special<br>Temporary<br>Authorization         | \$7,360.00   | \$3,500.00  | N/A                      | N/A    | N/A |
| Comprehensive<br>coverage<br>verification via<br>field study, if<br>needed                          | \$84,200.00  | \$10,000.00 | 1/8th<br>shared cost     | N/A    | N/A |
| RF Exposure<br>Measurements   | \$21,050.00  | \$2,500.00  | 1/8th<br>shared<br>costs | N/A    | N/A |
| Prepare and or<br>review<br>reimbursement<br>form   | \$2,630.00   | \$2,500.00  | N/A                      | N/A    | N/A |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main), License<br>to Cover<br>Application | \$1,580.00   | \$1,500.00  | N/A                      | N/A    | N/A |
| Prepare request<br>for Special<br>Temporary<br>Authorization  | \$4,100.00   | \$1,500.00  | N/A                      | N/A    | N/A |
| <b>Sub-total</b>  | \$272,300.00 | \$73,250.00 | N/A                      | \$0.00 | N/A |

|                              |                |                |     |        |     |
|------------------------------|----------------|----------------|-----|--------|-----|
| <b>Total for all systems</b> | \$6,399,609.23 | \$3,442,300.07 | 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 |
|--|-----------------------------|---------------------|---|---------------|---------------------------|
| <b>Other Expenses</b>                                    | <b>\$257,315.00</b>         | <b>\$256,710.00</b> |   | <b>\$0.00</b> |                           |
| FCC Filing Fees - Form 2100 license to cover application | \$335.00                    | \$325.00            | N/A   | N/A           | N/A                       |
| Temp sanitation  | <i>\$3,000.00</i>           | \$3,000.00          | Septic system maintenance and portable restroom facilities on site. 1/8th shared costs. See Exhibit S       | N/A           | N/A                       |
| Road Maintenance   | <i>\$7,500.00</i>           | \$7,500.00          | Plowing and maintenance to existing 12 mile dirt road to top of mountain. 1/8th shared costs. See Exhibit R | N/A           | N/A                       |
| Adjacent channel mask filter                             | <i>\$15,625.00</i>          | \$15,625.00         | Mask filter to avoid interference from adjacent channel KSTU  | N/A           | N/A                       |
| MVPD Notification of Channel Change                      | <i>\$5,000.00</i>           | \$5,000.00          | Certified letter notices to all MVPD's  | N/A           | N/A                       |

|   |                    |             |  |     |     |
|---|--------------------|-------------|--|-----|-----|
| Develop and air announcement of upcoming channel change | <b>\$75,000.00</b> | \$75,000.00 | Production air schedule, radio, internet and other advertising notifications.                                    | N/A | N/A |
| Equipment Storage                                       | <b>\$4,000.00</b>  | \$4,000.00  | Temp storage 1 /8th shared costs. Warehouse storage for 16 months, on-site storage pods. See Exhibit Q           | N/A | N/A |
| Equipment Delivery and Handling Charges                 | <b>\$8,125.00</b>  | \$8,125.00  | 1/8th shared costs. Forklift, operator, trucking service from warehouse to mountain top site. See Exhibit P      | N/A | N/A |
| DTV Medical Facility Notification                       | \$11,550.00        | \$11,000.00 | N/A  | N/A | N/A |
| Non-zoning permits                                      | <b>\$1,875.00</b>  | \$1,875.00  | Tooele County building, electrical and mechanical permits. County will not furnish estimates 1 /8th shared costs | N/A | N/A |

|  |                     |                |  |        |     |
|--|---------------------|----------------|--|--------|-----|
| FCC Filing Fees - Special Temporary Authorization request                | \$195.00            | \$190.00       | N/A  | N/A    | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <b>\$120,000.00</b> | \$120,000.00   | Remove and safe disposal of old transmitter, RF system and electrical. \$10k of the total is 1/8th shared cost | N/A    | N/A |
| Transportation Services  | <b>\$2,500.00</b>   | \$2,500.00     | 1/8th shared cost. Snow-cat to mountain top. See Exhibit R   | N/A    | N/A |
| FCC Filing Fees - Form 2100 minor change CP application                  | \$1,110.00          | \$1,070.00     | N/A  | N/A    | N/A |
| Refuse disposal  | <b>\$1,500.00</b>   | \$1,500.00     | 1/8th shared cost  | N/A    | N/A |
| <b>Sub-total</b>   | \$257,315.00        | \$256,710.00   | N/A  | \$0.00 | N/A |
| <b>Total for all systems</b>   | \$6,399,609.23      | \$3,442,300.07 | N/A  | \$0.00 | N/A |

## Components

Information not provided.



|                         |                              |                                    |                       |
|-------------------------|------------------------------|------------------------------------|-----------------------|
| <b>Cost Information</b> | <b>Grand Total</b>           |                                    |                       |
|                         |                              | <b>Predetermined Cost Estimate</b> | <b>Estimated Cost</b> |
|                         |                              |                                    | <b>Actual Cost</b>    |
|                         | <b>Total for all systems</b> | \$6,399,609.23                     | \$3,442,300.07        |
|                         |                              |                                    | \$0.00                |

|                             |  |                 |
|-----------------------------|--|-----------------|
| <b>Reimbursement Status</b> | <b>Question</b>  | <b>Response</b> |
|                             | 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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol> |          |

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><b>Michael L. Dowdle</b><br/> <i>Senior Vice President and General Counsel</i></p> <p>07/12/2017</p> |

## Attachments