

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 69396 Service: DTV Call KUED Channel: 27 (UHF)

Sign:

ID:

File **0000028860**

Number:

FRN: **0001597590** Date **09/08**

Submitted: /2017

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|--|---|----------------------|---------------------|----------------------|
| UNIVERSITY OF UTAH Doing Business As: UNIVERSITY OF UTAH | Philip Titus 101 WASATCH DRIVE BLDG. 179 SALT LAKE CITY, UT 84112 United States | +1 (801) 585-3601 | ptitus@kued. org | Government Entity |

Reimbursement Contact Name and Information Reimbursement Contact Information

| Applicant | Address | Phone | Email |
|----------------|---------|-------|-------|
| [Confidential] | | | |

Preparer Contact Information

Preparer Contact Name and Information

| Applicant | Address | Phone | Email |
|---|---|-----------------------|---------------------|
| Philip Titus Director of Engineering KUED / University of Utah | Phil Titus 101 South Wasatch Drive Salt Lake City, UT 84112 United States | +1 (801) 585- 3601 | ptitus@kued. org |

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 |

Transmitters

| s | 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 | |
| Manufacturer and Type | Model | Diamond |
| | Year | 2000 |
| | Туре | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 10 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-12 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 10.8 kW |
| | Justification for New Transmitter | Unable to tune old transmitter See Exhibit B. CP for move to channel 27 application in process. Unable to construct on 15 due to new antenna design. See Exhibit B1 for channel power calculations and Exhibit B2 for Gates Air quote. |

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 | No |
| | Description | N/A |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Туре | 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 leashold 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**

Transmitter 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 | 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 |
|--------------------|--|---------------------|
| 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 | No |
| | Description | N/A |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Туре | Heating and Cooling |

| | Size | 50 tons |
|---|--|---------|
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leashold 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? | Yes |

Interim

Other Transmitter Cost Not Listed

Transmitter Information not provided.

Antennas

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

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? | Yes |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | Yes |
| Existing Antenna | Class | Full Power |
| Manufacturer and Type | Mounting | Top Mount |
| | Antenna position in stack | Bottom |
| | Polarization | Horizontal |
| | Туре | Broadband 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) | 239.0 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 |
|-------------|-----------|
| 6823 | KBYU-TV |
| 68889 | KTVX |
| 69582 | KUEN |
| 1136 | KUCW |
| 35823 | KUTV |
| 36607 | KJZZ-TV |
| 6359 | KSL-TV |

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? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | Yes |
| New Antenna | Class | Full Power |
| Manufacturer and Types | Mounting | Top Mount |
| | Antenna position in stack | Bottom |
| | Polarization | Horizontal |
| | Туре | Broadband Panel |
| | Number of Stations Supported | 8 |
| | Number of Panels/Bays | 48 |
| | Lower Limit | 482.00 MHz |
| | Upper Limit | 608.00 MHz |
| | Design power capacity in use | 50.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 133.0 kW |
| | Manufacturer | |
| | Model | 759 25063 |

| Year | 2017 |
|-------------------------------|---|
| Justification for New Antenna | The current panel antenna is finely tuned to a specific band, but cannot be retuned to the new band. See Exhibit D. Justification for the Combiner can be found in Exhibit E. |

Other Antenna Costs

| Section | Question | Response |
|--------------------------------|---|---------------------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | Yes |
| | Туре | New |
| | Number of channels supported | 8 |
| | Frequencies of channels supported | Upper and lower frequency |
| | Frequency | 488.0 MHz - 608.0 MHz |
| | 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 | 6 1/8 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 |

Other Antenna Cost Not Listed

| Name | Description |
|----------------------|----------------------------------|
| Antenna Installation | Install new panels See Exhibit D |

| Transmission | n ^{Sentien} | 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 | Do you have a tower registration number? | Yes |
| Registration | ASR Number | 1062408 |
| Coordinates (NAD83 (North American Datum of | Latitude (NAD83) | 40° 39' 33.0" N- |
| 1983)) | | ' |

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

Other Types of Users

| Users | |
|----------|--|
| GOGO Air | |

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

| Section | Question | Response |
|--|--|---|
| Services Costs Outside Project Management Services | 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. |
| 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 | Yes |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | Yes |
| | 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 | Prepare and file Form FCC Construction Permit Application | Yes |
| Services | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare and file Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | Yes |
| | 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 |
| RF Field Engineering Services | 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
Outside
Professional Services Expenses Not Listed
Professional Services © ostsided.

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 | No |
| | FCC Construction Permit Minor Change | No |
| | FCC License to Cover Application | No |
| | FCC Special Temporary Authority Application | No |
| 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 |
|---|--|
| DTV Utah Operating Agreement Equity Equalization | Per 1998 Operating Agreement. See Exhibit M |
| Garbage Disposal | Remove General Garbage from Mountain site (Not Equipment Disposal) |
| KSTU Mask Filter | Adjacent Channel Mask Filter for KSTU channel 28 to protect KUED on channel 27. See Exhibit N. |
| Road Maintenance | Snowplowing Grating and repairs to existing road to remote mountain top. See Exhibit R. |
| Temporary Sanatation | For Workers See Exhibit S. |
| Temporary Storage | For tools and equipment on site and staging area off site. See Exhibit Q. |
| Transportation Services | Snowcat and Helicopter to move equipment and personnel to remote mountain site. 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 |
|---|-----------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Interim Transmitter ULXTE-20 | \$1,003,800.00 | \$130,891.00 | | \$0.00 | |
| UHF inside RF system including switching | \$147,500.00 | \$17,500.00 | 1/8th Shared Cost | N/A | N/A |
| 50 Ton system | \$266,000.00 | \$31,625.00 | 1/8th Shared 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 |
| Transformer 3 phase/480v - 300 KVA | \$36,800.00 | \$4,375.00 | 1/8th shared cost | N/A | N/A |
| Switchgear - industrial 800 amp | \$38,200.00 | \$4,357.00 | 1/8th Shared Cost | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$70,534.00 | 1/8th Shared Cost | N/A | N/A |
| Primary Transmitter ULXTE-12 | \$590,300.00 | \$561,300.00 | | \$0.00 | |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$470,000.00 | N/A | N/A | N/A |

| Switchgear - industrial 800 amp | \$38,200.00 | \$36,300.00 | N/A | N/A | N/A |
|---|----------------|----------------|-----|--------|-----|
| Transformer 3 phase/480v - 300 KVA | \$36,800.00 | \$35,000.00 | N/A | N/A | N/A |
| 2" Rigid Conduit and Wiring (Cost per foot) | \$20,800.00 | \$20,000.00 | N/A | N/A | N/A |
| Sub-total | \$1,594,100.00 | \$692,191.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,494,377.25 | \$1,602,493.25 | 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 759 25063 | \$436,593.00 | \$394,713.00 | | \$0.00 | |
| Antenna Installation | \$37,677.00 | \$37,677.00 | 1/8th Shared Cost See Exhibit D | 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 |
| 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 |
| New combiner, cost per channel (without antenna) | \$84,200.00 | \$185,000.00 | 1/8th Shared Cost See exhibit E | N/A | N/A |
| UHF - High Power Top Mount Eight Station broadband panel antenna horizontally polarized | \$168,286.00 | \$168,286.00 | 1/8th Shared Cost | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$2,125.00 | 1/8th Shared Cost | N/A | N/A |
| Sub-total | \$436,593.00 | \$394,713.00 | N/A | \$0.00 | N/A |

| Total for all | \$3,494,377.25 | \$1,602,493.25 | N/A | \$0.00 | N/A |
|---------------|----------------|----------------|-----|--------|-----|
| systems | | | | | |

Components

Information not provided.

Transmission Line Cost

Information 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 | |
| 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 |
| Structural engineering tower load study for well documented tower | \$12,600.00 | \$1,500.00 | 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 | \$3,494,377.25 | \$1,602,493.25 | 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 | \$280,195.00 | \$85,750.00 | | \$0.00 | |
| RF Exposure Measurements | \$21,050.00 | \$2,500.00 | 1/8th Shared Cost | N/A | N/A |
| Comprehensive coverage verification via field study, if needed | \$84,200.00 | \$10,000.00 | 1/8th Shared Cost | N/A | N/A |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | \$7,360.00 | \$7,000.00 | N/A | N/A | N/A |
| Attorney Fees - Negotiation of lease and other matters for shared locations | \$4,210.00 | \$4,000.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | \$2,365.00 | \$2,250.00 | N/A | N/A | N/A |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | \$4,210.00 | \$4,000.00 | N/A | 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 |
|---|------------|------------|-----|-----|-----|
| Prepare request for Special Temporary Authorization | \$4,100.00 | \$3,000.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |
| 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 Cost | N/A | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | N/A | N/A |
| Sub-total | \$280,195.00 | \$85,750.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,494,377.25 | \$1,602,493.25 | 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 | \$328,889.25 | \$328,339.25 | | \$0.00 | |
| MVPD Notification of Channel Change | \$5,000.00 | \$5,000.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | \$20,000.00 | \$20,000.00 | N/A | N/A | N/A |
| Equipment Storage | \$4,000.00 | \$4,000.00 | 1125 per month for 16 months plus pod storage on mountains. 1/8th Shared Cost. See Exhibit Q | N/A | N/A |
| Equipment Delivery and Handling Charges | \$8,125.00 | \$8,125.00 | 1/8th Shared Cost | N/A | N/A |
| Transportation Services | \$5,000.00 | \$5,000.00 | 1/8th Shared Cost for inclement weather | N/A | N/A |
| Garbage Disposal | \$1,500.00 | \$1,500.00 | 1/8th Shared Cost | N/A | N/A |
| DTV Utah Operating Agreement Equity Equalization | \$223,083.00 | \$223,083.00 | See Exhibit M | N/A | N/A |

| Non-zoning permits | \$1,875.00 | \$1,875.00 | 1/8th Shared Cost estimated from past experience. County will not furnish estimates. | N/A | N/A |
|--|----------------|----------------|--|--------|-----|
| Disposal Costs (for equipment and other waste, net of any salvage value) | \$25,000.00 | \$25,000.00 | 1/8th Shared Cost based on general experience acquired by staff plus individual station costs for transmitter. | N/A | N/A |
| KSTU Mask Filter | \$6,756.25 | \$6,756.25 | See Exhibit N. Price is 1 /8th Share | N/A | N/A |
| Temporary Storage | \$4,000.00 | \$4,000.00 | Warehouse and pods | N/A | N/A |
| Temporary Sanatation | \$3,000.00 | \$3,000.00 | 1/8th Shared Cost | N/A | N/A |
| Road Maintenance | \$10,000.00 | \$10,000.00 | 1/8th Shared Cost | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$11,000.00 | N/A | N/A | N/A |
| Sub-total | \$328,889.25 | \$328,339.25 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,494,377.25 | \$1,602,493.25 | 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 | \$3,494,377.25 | \$1,602,493.25 | \$0.00 |

| Reimbursem | entestiatus | 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 |

Section Question Response

Submission of Estimated Expenses Statements

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.

- 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 abovenamed applicant for the Authorization(s) specified above. Philip
Titus
Director of
Engineering

09/08/2017

Attachments