



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **2495** | Service: **DTV** | Call **KVEW** | Channel: **27 (UHF)** |
ID: | Sign:
File **0000028222**
Number:
FRN: **0001575497** | Date **01/30**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|--|-------------------|---------------|----------------|
| APPLE VALLEY BROADCASTING, INC. Doing Business as: Apple Valley Broadcasting, Inc. Doing Business As: APPLE VALLEY BROADCASTING, INC. | Tim A. Anderson 500 W Boone Ave Spokane, WA 99201 United States | +1 (509) 324-4000 | Tima@kxly.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 |
|---|--|-------------------|---------------|
| Tim A Anderson <i>Corporate Director of Engineering Morgan Murphy Media</i> | Tim A. Anderson 500 West Boone Avenue Spokane, WA 99201 United States | +1 (509) 324-4000 | Tima@kxly.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. | No |
| Briefly describe transition plan | Strengthen existing single tower. Mount temporary side-mount Ch 44 digital antenna and feedline to tower. Remove existing Ch 44 top mount antenna and replace with Ch 27 top mount. Prewire and plumb new Ch 27 transmitter and cut over to new Ch 27 ops. |

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 | Diamond CD |
| | Year | 2003 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 7.25 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-20 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 12.9 kW |
| | Justification for New Transmitter | Existing transmitter cannot be retuned to Repack channel. |

**Primary
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 | Yes |
| | | |

| | | |
|--|---|---|
| | Description | Modifications to breaker panels and addition of a three phase AC surge suppressor. Existing generator outputs 480 volts. Replacement 208 volt 3 phase generator necessary for Ch 27 Repack transmitter. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Cooling Only |
| | Size | Other |
| | Other Size | 6 tons |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | Yes |
| | Size | 100.0 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 |
|----------|----------------------|
| ULXTE-20 | Invoice GO10004855-1 |

Antennas

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

**Primary
Antenna**

Existing Antenna Information

| Section | Question | Response |
|---|--|--------------------|
| Existing Antenna Description | Type of change | Purchase New |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | No |
| | Is the existing antenna directional? | No |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | No |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels | N/A |
| | Design power capacity in use | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 160.0 kW |
| | | |

| | |
|--------------|---------------|
| Manufacturer | |
| Model | TFU-30GTH-R04 |
| Year | 2009 |

Primary
Antenna

New Antenna Costs

| Section | Question | Response |
|------------------------------------|--|-----------------|
| New Antenna Description | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| | | |
| New Antenna Manufacturer and Types | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Elliptical |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels/Bays | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Design power capacity in use | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 160.0 kW |
| | Manufacturer | |
| | | |

| | |
|-------------------------------|---|
| Model | TFU-30GTH /VP R 04 |
| Year | 2018 |
| Justification for New Antenna | Existing Ch 44 antenna is not retuneable to Ch 27 Repack frequency. The ordered antenna is an FCC-defined upsell with addition of an ATSC 3.0 vertical transmission component. Elliptical upsell and basic H pol comparative antenna quotations are attached. |

**Primary
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 | N/A |
| | Do you need a combiner output splitter /switcher for dual feed lines? | N/A |
| Elbow Complex | Do you require the separate purchase of the Elbow Complex? | No |

| | | |
|---------------------------------|---|-----|
| | Broadband or Single Channel? | N/A |
| | Feed Line Size | N/A |
| 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 |

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary
Transmission Line

Existing Transmission Line

| Section | Question | Response |
|---|--|------------------|
| Existing Transmission Line Description | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing transmission line shared with another station or stations? | No |
| | Is Transmission Line in operating condition? | Yes |
| Existing Transmission Line Manufacturer and Type | Manufacturer | |
| | Type | Rigid |
| | Diameter | 3 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 300 feet per run |

Primary
Transmission Line

New Transmission Line

| Section | Question | Response |
|------------------------------------|---|--|
| New Transmission Line Costs | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Type | Rigid |
| | Diameter | 3 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 0 |
| | Length | 100 feet per run |
| | Justification for New Transmission Line | Repack project requires additional in-building transmission runs to and from new transmitter, existing tower feeds and RF patching assembly. |

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

| Name | Description |
|------|-------------|
|------|-------------|

| | |
|--------------------------------|--|
| 4 Port RF Patch Panel | Necessary to reroute transmitters between temporary side mount existing channel and new repack channel main antenna. |
| 90 degree 3 inch Elbows | New elbows will be necessary to direct transmission line into new mask filter, RF patch and transmitter. |
| Dummy Load | Necessary to commission new transmitter offline prior to the channel transition date. |

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? | No |
| | Is this tower currently shared with any other stations? | No |
| | One or more FM, AM or TV radio broadcaster(s) | N/A |
| | Others Types of Users | N/A |
| | 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 | 1263786 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 46° 06' 11.4" N- |
| | Longitude (NAD83) | 119° 08' 00.6" W- |
| | Overall Structure Height | 271.98 feet |
| | Support Structure Height | 220.14 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 2129.90 feet |
| | Structure Type | TOWER - Free Standing or Guyed Structure |

| | | |
|--|------------------|---------------------------------------|
| | Tower Owner | APPLE VALLEY BROADCASTING, INC. |
| | Date Constructed | 10/08/2008 |

**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: | Minor Reinforcements needed |

**Primary
Tower**

Tower Rigging Costs

| Section | Question | Response |
|------------------------------|-----------------------------------|----------|
| Tower Rigging Costs | Complex Tower | N/A |
| Helicopter Services Required | Are helicopter services required? | No |

**Primary
Tower**

Other Tower Expenses Not Listed

| Name | Description |
|----------------------|---|
| Tower reinforcements | Existing tower will need new structural members added to support increased weight and length of new Ch 27 Repack antenna. |

**Outside
Professional Services Costs**

| Section | Question | Response |
|---|--|---|
| Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 40 |
| | Explanation | Tower structural engineering, on-site inspection, calculations and bound report of required modifications due to increased weight and wind load of Ch 27 antenna. Three days of on-site antenna change out tower modification management. |
| 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 | 1 |
| | 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 | 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 | 1 |
| | NEPA Section 106 environmental review | No |
| | Environmental Assessment | Yes |
| | ASR Modification | Yes |
| | FAA Consultation (including preparation of FAA Form 7460) | Yes |
| | Negotiation of Lease and other Matter for Shared Locations | No |
| | Prepare or Review FCC Form 399 for Reimbursement | Yes |
| | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| RF Field Engineering Services | Comprehensive coverage verification via field study | Yes |
| | RF exposure measurements | No |
| | Additional Field Engineering Service | No |

| | | |
|--|----------------|-----|
| | Number of Days | N/A |
| | Justification | N/A |

Outside Other Professional Services Expenses Not Listed

| Professional Services Costs | Description |
|------------------------------------|---|
| Electrical Engineer | Design, documentation and seal for Washington State Labor and Industries construction permit. Needed for transmitter building wiring modifications. |
| Communication Engineer | Hatfield and Dawson Engineering, Seattle, WA will assist in many areas in the preparation and implementation of this Repack rechanneling process. |
| Structural Engineer | TEC Engineering, Seattle, WA will assist in the upsizing of the current tower to meet the increased weight and length of the new Ch 27 antenna. |

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 | 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 |
|--|---|
| Ch 26 Stringent Digital Mask Filter | Licensed KNDU Ch 26 1st Adjacent full power station operates using a standard 4 pole full service mask filter. A full power stringent 8 pole mask will be added to that facility to protect KVEW current coverage area post repack. Includes labor. |

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 |
|--|-----------------------------|----------------|---|--------------|--|
| Primary Transmitter ULXTE-20 | \$704,964.50 | \$580,464.50 | | \$452,671.84 | |
| ULXTE-20 | <i>\$124,964.50</i> | \$124,964.50 | Re-submittal of invoice and supporting electronic funds transfer, PO and quote # Q-73920 not yet reimbursed by FCC for the KVEW-TV Gatesair ULXTE-20 Ch 27 transmitter. Posted Jan. 28, 2019. | \$124,964.50 | This is a re-submitted Gatesair invoice not yet reimbursed by the FCC for Repack Ch 27 transmitter. Posted Jan. 28, 2019 |
| Other -- Building Addition Size: 100.0 | <i>\$1,500.00</i> | \$1,500.00 | N/A | N/A | N/A |

| | | | | | |
|---|--------------------|----------------|---|--------------|---|
| Other Electrical Service: Modifications to breaker panels and addition of a three phase AC surge suppressor. Existing generator outputs 480 volts. Replacement 208 volt 3 phase generator necessary for Ch 27 Repack transmitter. | \$72,000.00 | \$72,000.00 | Local County PUD required unforeseen additional underground wiring and above ground transformers to approve and certify this project. | \$71,641.77 | As shown on attached FCC variance form, this project required extra labor and due to local Benton Co. PUD new transformer and underground wiring to meet current electrical codes. Tax was added. |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$370,000.00 | Quoted cost of transmitter sizing for comparable ATSC 1.0 operation. Station purchasing transmitter upsell capable of ATSC 3.0 operation and will expense the difference. | \$244,479.04 | Change payment date from 4/2 /2018 to 2/16 /2018. See attached explanation of broadcaster upsell expense coverage certification. |
| Other -- HVAC Service Type: C Size: 6 (Other) | \$12,000.00 | \$12,000.00 | N/A | \$11,586.53 | N/A |
| Sub-total | \$704,964.50 | \$580,464.50 | N/A | \$452,671.84 | N/A |
| Total for all systems | \$1,491,429.50 | \$1,170,355.71 | N/A | \$937,068.95 | N/A |

Components

| Actual Information | File Name | |
|--|-------------------------------|--|
| Description | | |
| ULXTE-20 | Component Description: | Final invoice payment for Ch 27 Repack transmitter. |
| | Amount: | \$124,964.50 |
| Other -- Building Addition Size: 100.0 | Information not provided. | |
| Other Electrical Service: Modifications to breaker panels and addition of a three phase AC surge suppressor. Existing generator outputs 480 volts. Replacement 208 volt 3 phase generator necessary for Ch 27 Repack transmitter. | Component Description: | Final Payment to Sierra Electric for new feeds, panels, generator set and final State inspection |
| | Amount: | \$64,854.27 |
| | Component Description: | Progress payment Sierra Electric for new feeds, panels, generator set |
| | Amount: | \$6,787.50 |

| | |
|---|---|
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | <div> Component Description: Station down payment to vendor for replacement transmitter. </div> <div> Amount: \$124,964.50 </div> |
| | <div> Component Description: Transmitter installation, proofing, shipping and tax. </div> <div> Amount: \$43,248.54 </div> |
| | <div> Component Description: Final transmitter balance payment due station minus the KVEW ATSC 3.0 upgrade cost. Variance sheet attached. </div> <div> Amount: \$76,266.00 </div> |
| | <div> Component Description: Gatesair KVEW Ch 27 Repack transmitter 2 of 3 invoices - prior to ship. </div> <div> Amount: \$124,964.50 </div> |
| Other -- HVAC Service Type: C Size:6 (Other) | <div> Component Description: 100% invoicing for HVAC upgrades necessary for Repack transmission plant. </div> <div> Amount: \$11,586.53 </div> |

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 TFU-30GTH /VP R 04 | \$296,230.00 | \$340,036.21 | | \$334,510.56 | |
| Sweep test of existing antenna | \$6,730.00 | \$5,000.00 | N/A | N/A | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00 | \$335,036.21 | Cost quote shown is for a direct replacement Ch 27 Dielectric TFU H Pol-only ATSC 1.0 antenna. Station will expense the upsell difference for an elliptical version. | \$334,510.56 | N/A |
| Sub-total | \$296,230.00 | \$340,036.21 | N/A | \$334,510.56 | N/A |
| Total for all systems | \$1,491,429.50 | \$1,170,355.71 | N/A | \$937,068.95 | N/A |

Components

| Actual Information Description | File Name |
|--------------------------------|---------------------------|
| Sweep test of existing antenna | Information not provided. |

UHF - High Power Top
Mount (200-1000 kW), One
station antenna , elliptically
or circularly polarized

Component Description:

Final antenna
payment
reimbursement due
KVEW upon
removal of upgrade
amount as shown
in variance
attachment.

Amount:

\$78,374.07

Component Description:

Gatesair /
Dielectric Ch 27
Repack antenna -
progress payment
2 of 3 - prior to ship

Amount:

\$117,795.87

Component Description:

Dielectric Ch 27
Repack antenna
shipping and
storage invoice.

Amount:

\$20,544.75

Component Description:

Down payment
with order to
vendor. First of
three payments.

Amount:

\$117,795.87

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 | \$19,150.00 | \$23,840.00 | | \$19,038.76 | |
| Rigid Transmission Line - copper, 3 1/8" | \$0.00 | \$4,690.00 | Necessary to internally replumb the RF output of the new and existing transmitters into the RF patch panel and dummy load. | N/A | N/A |
| 4 Port RF Patch Panel | <i>\$2,000.00</i> | \$2,000.00 | N/A | \$1,944.54 | N/A |
| 90 degree 3 inch Elbows | <i>\$2,250.00</i> | \$2,250.00 | Job site transmission line routing more complex than anticipated. Required (4) 90 degree elbows. | \$2,202.89 | N/A |
| Dummy Load | <i>\$14,900.00</i> | \$14,900.00 | Necessary to commission new Repack transmitter prior to cut-over with minimal public outage time. | \$14,891.33 | N/A |

| | | | | | |
|------------------------------|----------------|----------------|-----|--------------|-----|
| Sub-total | \$19,150.00 | \$23,840.00 | N/A | \$19,038.76 | N/A |
| Total for all systems | \$1,491,429.50 | \$1,170,355.71 | N/A | \$937,068.95 | N/A |

Components

| Actual Information | |
|--|--|
| Description | File Name |
| Rigid Transmission Line - copper, 3 1/8" | Information not provided. |
| 4 Port RF Patch Panel | <p>Component Description: 3 Port 3-1/8" Unpressurized RF Patch Panel</p> <p>Amount: \$1,944.54</p> |
| 90 degree 3 inch Elbows | <p>Component Description: (4) Myat 3-1/8" flanged transmission line elbows</p> <p>Amount: \$2,202.89</p> |
| Dummy Load | <p>Component Description: BSW - Altronic Air Cooled Dummy Load for Digital Television testing</p> <p>Amount: \$14,891.33</p> |

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 | \$257,300.00 | \$106,450.00 | | \$103,731.00 | |
| Tower reinforcements | <i>\$2,500.00</i> | \$2,500.00 | N/A | N/A | N/A |
| Short Tower (less than 500') | \$84,200.00 | \$82,000.00 | Weather delays and additional tower reinforcements necessary at the time of erection. | \$81,081.00 | Tower wiring weather delays and additional structural tower bracing required. |
| Minor tower reinforcement /modifications | \$158,000.00 | \$10,000.00 | Minor hardware upgrades or replacements necessary during change out of top mounted antennas. | N/A | N/A |

| | | | | | |
|---|----------------|----------------|---|--------------|---|
| Structural engineering tower load study for well documented tower | \$12,600.00 | \$11,950.00 | On site engineering monitoring necessary during tower modifications due to sloping terrain at tower site. | \$22,650.00 | Early estimated cost was based upon more minor structural tower modifications. Final quote and invoicing included design of additional bracing, on-site inspections and special additional temporary rigging calculations. These were safety requirements |
| Sub-total | \$257,300.00 | \$106,450.00 | N/A | \$103,731.00 | N/A |
| Total for all systems | \$1,491,429.50 | \$1,170,355.71 | N/A | \$937,068.95 | N/A |

Components

| Actual Information Description | File Name |
|--------------------------------|---|
| Tower reinforcements | Information not provided. |
| Short Tower (less than 500') | <div> <div>Component Description:</div> <div>Tower reinforcements, Repack Ch 27 replacement for existing Ch 44 antenna and guy re-tensioning.</div> </div> <div> <div>Amount:</div> <div>\$81,081.00</div> </div> |

| | | |
|---|---|--|
| Minor tower reinforcement /modifications | Information not provided. | |
| Structural engineering tower load study for well documented tower | Component Description: Amount: | N/A N/A |
| | Component Description: Amount: | KVEW-TV Repack Tower Engineering Company - tower studies and planning invoice 2725. \$7,110.00 |
| | Component Description: Amount: | KVEW-TV Repack Tower Engineering Company - tower studies and planning, invoice 2726 with completed variance sheet. \$5,000.00 |
| | Component Description: Amount: | KVEW-TV Repack Tower Engineering Company tower studies and planning, invoice 2546. \$5,040.00 |
| | Component Description: Amount: | KVEW-TV Repack Tower Engineering Company - tower studies and planning, invoice 2489. \$5,500.00 |

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 | \$151,355.00 | \$63,700.00 | | \$956.25 | |
| Structural Engineer | <i>\$5,000.00</i> | \$5,000.00 | N/A | \$0.00 | The KVEV tower had unanticipated structural modification needed in the antenna change out process. |
| Communication Engineer | <i>\$0.00</i> | \$0.00 | N/A | N/A | N/A |
| Electrical Engineer | <i>\$2,500.00</i> | \$2,500.00 | N/A | N/A | N/A |
| Comprehensive coverage verification via field study, if needed | \$84,200.00 | \$23,000.00 | N/A | N/A | N/A |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | \$2,105.00 | \$225.00 | N/A | N/A | N/A |
| ASR modification (prepare FCC Form 854) | \$2,105.00 | \$225.00 | N/A | N/A | N/A |

| | | | | | |
|---|-------------|------------|-----|-----|-----|
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | \$10,520.00 | \$0.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | \$3,680.00 | \$3,500.00 | 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 | \$2,050.00 | \$1,000.00 | 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 | \$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 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$1,500.00 | N/A | \$956.25 | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$2,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|----------------|----------------|--|--------------|-----|
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00 | \$1,500.00 | Engineering time and Per Diem to meet with Ch 26 engineering staff and coordinate installation of new Ch 26 stringent mask filter at their facility. | N/A | N/A |
| Project management of the transition | \$6,320.00 | \$6,000.00 | Manufacture's on-site engineering to assist in assembly, configuring, commissioning and collection of data for final proof of performance on Repack channel. | N/A | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | N/A | N/A |
| Sub-total | \$151,355.00 | \$63,700.00 | N/A | \$956.25 | N/A |
| Total for all systems | \$1,491,429.50 | \$1,170,355.71 | N/A | \$937,068.95 | N/A |

Components

Actual Information
Description

File Name

| | | |
|--|-------------------------------|---|
| Structural Engineer | Component Description: | TEC tower structural engineering progress payment #1 |
| | Amount: | \$5,500.00 |
| | Component Description: | TEC tower structural engineering analysis and reports - progress invoice #2 |
| | Amount: | \$5,040.00 |
| Communication Engineer | Information not provided. | |
| Electrical Engineer | Information not provided. | |
| Comprehensive coverage verification via field study, if needed | Information not provided. | |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | Information not provided. | |
| ASR modification (prepare FCC Form 854) | Information not provided. | |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | Information not provided. | |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | Information not provided. | |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. | |

| | |
|---|---|
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | Information not provided. |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided. |
| Prepare request for Special Temporary Authorization | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <p>Component Description: H&D Engineers - KVEW Repack progress invoice #6</p> <p>Amount: \$956.25</p> |
| Perform engineering study for new channel assignment and antenna development | Information not provided. |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. |
| Project management of the transition | Information not provided. |
| Prepare and or review reimbursement form | 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 | \$62,430.00 | \$55,865.00 | | \$26,160.54 | |
| Ch 26 Stringent Digital Mask Filter | <i>\$28,000.00</i> | \$28,000.00 | Necessary 8 pole Stringent Full Service Mask Filter upgrade for KNDU Ch 26 4 pole full service mask facility to preserve the current coverage area of repacked KVEW at Ch 27. Includes installation. | \$26,160.54 | N/A |
| MVPD Notification of Channel Change | <i>\$1,800.00</i> | \$1,800.00 | Local newspaper publication notifications. | N/A | N/A |
| Develop and air announcement of upcoming channel change | <i>\$10,350.00</i> | \$10,350.00 | Production of spot, \$350. Airtime for 300 - 30 second announcements, \$10,000. | N/A | N/A |

| | | | | | |
|---|-------------------|------------|--|-----|-----|
| Equipment Storage | \$3,000.00 | \$3,000.00 | Antenna manufacturer completed assembly of antenna prior to the date of available tower crews. Station studio and transmitter site do not have large enough secure areas to store vulnerable equipment on-site. Antenna securely stored near manufacturer. | N/A | N/A |
| Non-zoning permits | \$500.00 | \$500.00 | Electrical rewiring permitting at transmitter site required by state. | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$5,000.00 | Labor, survey, call back, develop addressing for mailings. Logging and tracking outreach. | N/A | N/A |
| FCC Filing Fees - Form 2100 license to cover application | \$335.00 | \$325.00 | N/A | 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) | \$500.00 | \$500.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | \$6,200.00 | \$6,200.00 | N/A | N/A | N/A |
| Sub-total | \$62,430.00 | \$55,865.00 | N/A | \$26,160.54 | N/A |
| Total for all systems | \$1,491,429.50 | \$1,170,355.71 | N/A | \$937,068.95 | N/A |

Components

| Actual Information | |
|-------------------------------------|--|
| Description | File Name |
| Ch 26 Stringent Digital Mask Filter | <p>Component Description: Progress Payment - Adjacent Channel Mask Filter</p> <p>Amount: \$7,943.31</p> <p>Component Description: Down payment with order for 8 pole critical full service mask filter. First of three invoices.</p> <p>Amount: \$7,943.31</p> <p>Component Description: KVEW Adjacent Channel Digital Mask Filter - Final Progress Payment</p> <p>Amount: \$10,273.92</p> |
| MVPD Notification of Channel Change | Information not provided. |

| | |
|--|---------------------------|
| Develop and air announcement of upcoming channel change | Information not provided. |
| Equipment Storage | Information not provided. |
| Non-zoning permits | Information not provided. |
| DTV Medical Facility Notification | Information not provided. |
| FCC Filing Fees - Form 2100 license to cover application | Information not provided. |
| FCC Filing Fees - Special Temporary Authorization request | Information not provided. |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided. |
| Equipment Delivery and Handling Charges | Information not provided. |

| | | | |
|-------------------------|------------------------------|------------------------------------|-----------------------|
| Cost Information | Grand Total | | |
| | | Predetermined Cost Estimate | Estimated Cost |
| | | | Actual Cost |
| | Total for all systems | \$1,491,429.50 | \$1,170,355.71 |
| | | | \$937,068.95 |

| | | |
|-----------------------------|--|-----------------|
| Reimbursement Status | Question | Response |
| | The facility has ceased operating on its pre-auction channel. | No |
| | Construction of final facilities or all necessary modifications are complete. | No |
| | All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator. | No |

| Certification | Section | Question | Response |
|---------------|--|---|----------|
| | Submission of Estimated Expenses Statements | <p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p> | |
| | | <ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. | |

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**TIM A
ANDERSON**
Corp.
*Director of
Engineering*

01/30/2019

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

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

| | |
|--|--|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> | |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p> | <p>TIM A ANDERSON <i>Corp.</i> <i>Director of Engineering</i></p> <p>01/30/2019</p> |

Attachments