



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **69328** | Service: **DTV** | Call **WLED-TV** | Channel: **23 (UHF)** |
ID: | Sign:
File **0000027752**
Number:
FRN: **0021895115** | Date **06/08**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|--|---|-------------------|----------------------|----------------|
| NEW HAMPSHIRE PUBLIC BROADCASTING Doing Business As: NEW HAMPSHIRE PUBLIC BROADCASTING | Dawn DeAngelis 268 MAST ROAD DURHAM, NH 03824 United States | +1 (603) 868-4304 | ddeangelis@nhpbs.org | Not-for-Profit |

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 |
|---|---|-------------------|---------------------------|
| Ryan C Wilhour <i>Consulting Engineer</i> <i>Kessler and Gehman Associates, Inc.</i> | 507 NW 60th ST STE D Gainesville, FL 32607 United States | +1 (352) 332-3157 | ryan@kesslerandgehman.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 | | Replace transmitter and antenna using existing transmission line. Acquire interim antenna and line for continued operation during line replacement and duration of the assigned phase. Map and analyze tower; design and implement modifications if required. |

Transmitters

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

**Auxiliary
Transmitter****Add Transmitter Information**

| Section | Question | Response |
|---|--|-----------------------|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary |
| | 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 | NV7250 |
| | Year | 2001 |
| | Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power Capacity | 4 kW |

**Auxiliary
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|-----------------|---|--|
| New Transmitter | Use | Auxiliary (Backup) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Manufacturer | |
| | Model | MPTV-PRLX- U3 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 5 kW |
| | Justification for New Transmitter | The manufacturer of the existing transmitter advises that the transmitter cannot be re- tuned to the assigned channel. See attachment. |

**Auxiliary
Transmitter**

Other Transmitter Costs

| Section | Question | Response |
|--------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |

| | | |
|--|---|-----|
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | No |
| | Description | N/A |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Auxiliary Transmitter **Other Transmitter Cost Not Listed**
Information not provided.

**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 | AT7105K0 |
| | Year | 2011 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 5 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 | MPTV-PRLX-U3 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 5.2 kW |
| | Justification for New Transmitter | The manufacturer of the existing transmitter advises that the transmitter cannot be re-tuned to the assigned channel. See attachment. |

**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 | 150 kVA |
| | Rigid Conduit and Wiring | Yes |

| | | |
|--|---|---------------------|
| | Size | 3 inches |
| | Length | 100.0 feet |
| | Other Electrical Service | No |
| | Description | N/A |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Heating and Cooling |
| | Size | 5 tons |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Primary Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|--------------------------------------|--|
| Additional Interior RF System | Interior RF System Existing Transmitter to Interim Transmission line |
| Standby Exciter and Switch | Standby Exciter with Automatic Change Over Switch |

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) | 108.0 kW |
| | | |

| | |
|--------------|--------------------------|
| Manufacturer | |
| Model | TFU- 28GTH-R O4 DC |
| Year | 2001 |

Primary Antenna

New Antenna Costs

| Section | Question | Response |
|---------------------------------------|--|-----------------------|
| New Antenna Description | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | 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 | Horizontal |
| | 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) | 77.3 kW |
| | Manufacturer | |
| | Model | ATW20H4- HTO10-23L |
| | | |

| | |
|-------------------------------|---|
| Year | 2019 |
| Justification for New Antenna | The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. ERP is based on 1% expansion. |

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? | Yes |
| | Broadband or Single Channel? | Single Channel |
| | Feed Line Size | 4 1/16 inches inches |
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for a high power antenna? | No |

| | | |
|---------------------------------|---|-----|
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

| Section | Question | Response |
|--|--|----------------------|
| New Antenna Description | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| New Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Side 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) | 108.0 kW |
| | Manufacturer | |
| | Model | i230ECW- 16-23/48 |
| | Year | 2019 |

| | | |
|--|-------------------------------|--|
| | Justification for New Antenna | An interim antenna is necessary to keep station on the air during primary antenna replacement and for the duration of the assigned phase. Station will attempt to rent if renting is available at time of acquisition. |
|--|-------------------------------|--|

**Interim
Antenna**

Other Antenna Costs

| Section | Question | Response |
|---------------------------------|---|---------------|
| Elbow Complex | Do you require the separate purchase of the Elbow Complex? | Yes |
| | Broadband or Single Channel? | S |
| | Feed Line Size | 4 1/16 inches |
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for an antenna? | Yes |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | Yes |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

**Interim
Antenna**

Other Antenna Cost Not Listed

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

Transmission Line

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

Primary Transmission Line**Existing Transmission Line**

| Section | Question | Response |
|--|--|------------------|
| Existing Transmission Line Description | Type of change | Utilize Existing |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | 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 | ERI |
| | Type | Flexible Air |
| | Diameter | 4 inches |
| | Other Diameter | N/A |
| | Segment Length | N/A |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 430 feet per run |

Primary Transmission Line

Other Transmission Line Expenses Not Listed

| Name | Description |
|-------------|--|
| Sweep Tests | Sweep tests to demonstrate performance on assigned channel |

Interim Transmission Line

New Transmission Line

| Section | Question | Response |
|-----------------------------|-------------------------|------------------|
| New Transmission Line Costs | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Type | Rigid |
| | Diameter | 3 1/8 inches |
| | Segment Length | 20' |
| | Other Segment Length | |
| | Number of parallel runs | 1 |
| | Length | 460 feet per run |

| | |
|---|--|
| Justification for New Transmission Line | An interim transmission line is necessary for the interim antenna to keep station on the air during primary antenna replacement and for the duration of the assigned phase. Station will attempt to rent if renting is available at time of acquisition. |
|---|--|

Interim Transmission Line **Other Transmission Line Expenses Not Listed**

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

**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? | No |
| | Is tower compliant with Rev G? | Yes |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1034698 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 44° 21' 10.9" N- |
| | Longitude (NAD83) | 071° 44' 14.9" W- |
| | Overall Structure Height | 446.84 feet |
| | Support Structure Height | 399.93 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 1988.82 feet |
| | | |

| | | |
|--|------------------|---|
| | Structure Type | GTOWER - Guyed Structure Used for Communication Purposes |
| | Tower Owner | New Hampshire Public Broadcasting |
| | Date Constructed | 11/14/2016 |

**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 |
|-------------|-----------|---------|
| 165997 | WNYN-FM | FM |
| 173546 | WEVQ | FM |
| 72212 | WMTK | FM |

Other Types of Users

| Users |
|----------------|
| WNYN microwave |
| WENH microwave |
| WLED microwave |

**Primary
Tower**

Tower Modification Costs

| Section | Question | Response |
|-------------------|--|---|
| Engineering Study | Please what type of engineering study is required, if any: | Study needed for undocumented /poorly 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 | 40 |
| | Explanation | It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects. |
| Outside RF consulting Engineering Services | Perform engineering study for new channel assignment and antenna development | Yes |
| | Prepare engineering section of Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | Yes |

| | | |
|---|--|-----|
| | Quantity | 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 | 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 | 1 |
| | NEPA Section 106 environmental review | No |
| | Environmental Assessment | No |
| | ASR Modification | Yes |
| | FAA Consultation (including preparation of FAA Form 7460) | Yes |
| | Negotiation of Lease and other Matter for Shared Locations | No |
| | Prepare or Review FCC Form 399 for Reimbursement | Yes |
| | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| RF Field Engineering Services | Comprehensive coverage verification via field study | Yes |
| | RF exposure measurements | No |
| | Additional Field Engineering Service | Yes |

| | |
|----------------|---|
| Number of Days | 6 |
| Justification | It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services. |

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

| Name | Description |
|----------------------------|--|
| Other Legal Services | Legal services not specifically listed under Outside Professional Services |
| Other Engineering Services | Engineering services not specifically listed under Outside Professional Services |

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 | No |
| | 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? | No |
| | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | Yes |
| | Does this relocation require MVPD Notification of a Channel Change? | Yes |

| | |
|---------------------------|---|
| Other Expenses | Other Expenses Not Listed Information not provided. |
|---------------------------|---|

Cost Information

Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|---------------------|------------------------------|---------------------|---------------------------|
| Primary Transmitter MPTV-PRLX-U3 | \$519,259.00 | \$468,459.00 | | \$222,384.19 | |
| Standby Exciter and Switch | <i>\$25,000.00</i> | \$25,000.00 | N/A | \$32.70 | N/A |
| Additional Interior RF System | <i>\$140,000.00</i> | \$140,000.00 | N/A | N/A | N/A |
| Other -- HVAC Service Type: H Size:5 (Other) | <i>\$11,809.00</i> | \$11,809.00 | N/A | \$11,809.00 | N/A |
| 3" Rigid Conduit and Wiring (Cost per foot) | \$5,200.00 | \$4,900.00 | N/A | \$1,338.57 | N/A |
| Transformer 3 phase /480v - 150 KVA | \$25,550.00 | \$24,300.00 | N/A | N/A | N/A |
| Switchgear - industrial 800 amp | \$38,200.00 | \$36,300.00 | N/A | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW | \$273,500.00 | \$226,150.00 | N/A | \$209,203.92 | N/A |

| | | | | | |
|--|-----------------------|-----------------------|------------|-----------------------|------------|
| Auxiliary Transmitter MPTV-PRLX-U3 | \$273,500.00 | \$225,615.00 | | \$225,615.00 | |
| UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW | \$273,500.00 | \$225,615.00 | N/A | \$225,615.00 | N/A |
| Sub-total | \$792,759.00 | \$694,074.00 | N/A | \$447,999.19 | N/A |
| Total for all systems | \$2,404,736.82 | \$2,316,578.26 | N/A | \$1,068,292.29 | N/A |

Components

| Actual Information | |
|--|---|
| Description | File Name |
| Standby Exciter and Switch | <p>Component Description: ESS 1000001082 v191031jgv1</p> <p>Amount: \$32.70</p> |
| Additional Interior RF System | Information not provided. |
| Other -- HVAC Service Type: H Size:5 (Other) | <p>Component Description: Emcor 171-000047 v190806jgv1</p> <p>Amount: \$5,904.50</p> <p>Component Description: Emcor 171-000048 v191210jgv1</p> <p>Amount: \$5,904.50</p> |
| 3" Rigid Conduit and Wiring (Cost per foot) | <p>Component Description: HD 8539 00002 76667 v190624pmv1</p> <p>Amount: \$11.81</p> |

| | |
|-------------------------------|--|
| Component Description: | Needham S5070398.002 v190620jgv1 |
| Amount: | \$126.54 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | HD 8539 00002 12647 v190624pmv1 |
| Amount: | \$92.94 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | HD 8539 00057 06940 v190624pmv1 |
| Amount: | \$32.15 |

| | |
|-------------------------------|---|
| Component Description: | Amazon 114- 2755163-1500267 v190625pmv1 |
| Amount: | \$8.39 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | HD 8539 00056 07692 v190624pmv1 |
| Amount: | \$16.29 |

| | |
|-------------------------------|--|
| Component Description: | Needham S5081017.002 v190620jgv1 |
| Amount: | \$145.49 |

| | |
|-------------------------------|--|
| Component Description: | Needham S5116592.002 v190620jgv1 |
| Amount: | \$28.30 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | HD 8539 00002 90437 v190624pmv1 |
| Amount: | \$23.58 |

| | |
|-------------------------------|--|
| Component Description: | Needham S5117024.002 v190620jgv1 |
| Amount: | \$81.36 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | HD 8539 00002 59291 v190624pmv1 |
| Amount: | \$165.96 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | HD 8539 00002 73490 v190624pmv1 |
| Amount: | \$79.96 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | HD 8539 00057 98061 v190624pmv1 |
| Amount: | \$51.45 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | HD 3403 00057 27367 v190624pmv1 |
| Amount: | \$47.97 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | HD 8539 00002 67435 v190624pmv1 |
| Amount: | \$72.70 |

| | | |
|---------------------------------------|-------------------------------|--|
| | Component Description: | HD 8539 00002 26316 v190624pmv1 |
| | Amount: | \$41.68 |
| | Component Description: | HD 8539 00002 61636 v190624pmv1 |
| | Amount: | \$28.25 |
| | Component Description: | HD 8539 00002 80040 v190624pmv1 |
| | Amount: | \$6.23 |
| | Component Description: | Candia 5 v190625pmv1 |
| | Amount: | \$34.95 |
| | Component Description: | Needham S5115697.002 v190620jgv1 |
| | Amount: | \$72.85 |
| | Component Description: | Needham S5062957.002 v190620jgv1 |
| | Amount: | \$77.92 |
| | Component Description: | Needham S5119902.002 v190620jgv1 |
| | Amount: | \$91.80 |
| | | |
| Transformer 3 phase/480v - 150 KVA | Information not provided. | |
| Switchgear - industrial 800 amp | Information not provided. | |

| | |
|--|---|
| UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW | <div> Component Description: New primary transmitter Comark MPTV-PRLX-U3 Liquid Cooled </div> <div> Amount: \$104,550.00 </div> |
| | <div> Component Description: HD 8539 00002 61149 v191021jgv1 </div> <div> Amount: \$103.92 </div> |
| | <div> Component Description: Comark S10358-2 v191108jgv1 </div> <div> Amount: \$104,550.00 </div> |
| UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW | <div> Component Description: Comark S10359-2 v190624jgv1 </div> <div> Amount: \$101,526.75 </div> |
| | <div> Component Description: Comark S10359-3 v191108jgv1 </div> <div> Amount: \$11,280.75 </div> |
| | <div> Component Description: WLED, AUX SYSTEM (transmitter MPTV-PRLX-) U3 D23 </div> <div> Amount: \$112,807.50 </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 |
|--|-----------------------------|----------------|------------------------------|--------------|---------------------------|
| Interim Antenna i230ECW-16-23/48 | \$152,493.53 | \$209,004.53 | | \$172,754.53 | |
| Freight | \$4,683.53 | \$4,683.53 | N/A | \$4,683.53 | N/A |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | \$5,260.00 | \$5,000.00 | N/A | N/A | N/A |
| Side mount brackets for high power antennas (if not included in antenna base cost) | \$23,150.00 | \$22,000.00 | N/A | N/A | N/A |
| Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed) | \$9,570.00 | \$9,100.00 | N/A | N/A | N/A |

| | | | | | |
|--|---------------------|---------------------|--|---------------------|------------|
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$6,250.00 | N/A |
| UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized | \$103,100.00 | \$161,821.00 | See uploaded ERI Proposal 20190125-436 Rev B | \$161,821.00 | N/A |
| Primary Antenna ATW20H4-HTO10-23L | \$263,300.00 | \$250,500.00 | | \$60,425.00 | |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$3,125.00 | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized | \$247,000.00 | \$235,000.00 | N/A | \$57,300.00 | N/A |
| Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed) | \$9,570.00 | \$9,100.00 | N/A | N/A | N/A |
| Sub-total | \$415,793.53 | \$459,504.53 | N/A | \$233,179.53 | N/A |

| | | | | | |
|------------------------------|----------------|----------------|-----|----------------|-----|
| Total for all systems | \$2,404,736.82 | \$2,316,578.26 | N/A | \$1,068,292.29 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

Components

| Actual Information Description | File Name |
|--|--|
| Freight | <p>Component Description: ERI WLED-5000 v190709jgv1</p> <p>Amount: \$4,683.53</p> |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | Information not provided. |
| Side mount brackets for high power antennas (if not included in antenna base cost) | Information not provided. |
| Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed) | Information not provided. |
| Sweep test of existing antenna | <p>Component Description: ERI WLED-5000 v190709jgv1</p> <p>Amount: \$3,125.00</p> <p>Component Description: ERI inv #WLED-500 Interim antenna sweep pmt 1 UL20190425jgv1</p> <p>Amount: \$3,125.00</p> |

| | |
|--|---|
| UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized | <p>Component Description: ERI WLED-600 v190701jgv1</p> <p>Amount: \$76,010.50</p> |
| | <p>Component Description: ERI WLED-5000 v190709jgv1</p> <p>Amount: \$4,900.00</p> |
| | <p>Component Description: ERI inv #WLED-500 Interim antenna pmt 1 UL20190425jgv1</p> <p>Amount: \$80,910.50</p> |
| Sweep test of existing antenna | <p>Component Description: ERI WLED-8000 v200217jgv2</p> <p>Amount: \$3,125.00</p> |
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized | <p>Component Description: ERI WLED-500B v190711jgv1</p> <p>Amount: \$28,650.00</p> |
| | <p>Component Description: ERI inv #WLED-500A Primary Ant pmt 1 UL20190425jgv1</p> <p>Amount: \$28,650.00</p> |
| Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed) | Information not provided. |

Cost
Information

Transmission Line

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|----------------|---|----------------|---------------------------|
| Interim Transmission Line | \$49,004.29 | \$47,145.23 | | \$47,145.23 | |
| Rigid Transmission Line - copper, 3 1/8" | \$47,840.00 | \$45,980.94 | See attached /uploaded PDF file titled "ERI WLED-54515 v191119jgv1.pdf" | \$45,980.94 | N/A |
| Freight | \$1,164.29 | \$1,164.29 | See attached /uploaded PDF file titled "ERI WLED-54515 v191119jgv1.pdf" | \$1,164.29 | N/A |
| Primary Transmission Line | \$6,400.00 | \$6,400.00 | | \$0.00 | |
| Sweep Tests | \$6,400.00 | \$6,400.00 | N/A | N/A | N/A |
| Sub-total | \$55,404.29 | \$53,545.23 | N/A | \$47,145.23 | N/A |
| Total for all systems | \$2,404,736.82 | \$2,316,578.26 | N/A | \$1,068,292.29 | N/A |

Components

| Actual Information Description | File Name |
|--------------------------------|-----------|
|--------------------------------|-----------|

| | |
|---|--|
| Rigid Transmission Line - copper, 3 1/8" | <div> <div> Component Description: Amount: </div> <div> ERI WLED-5000 v190709jgv1 \$22,186.37 </div> </div> <div> <div> Component Description: Amount: </div> <div> ERI WLED-54515 v191119jgv1 \$1,608.20 </div> </div> <div> <div> Component Description: Amount: </div> <div> ERI inv #WLED-500 Interim line pmt 1 UL20190425jgv1 \$22,186.37 </div> </div> |
| Freight | <div> <div> Component Description: Amount: </div> <div> ERI WLED-54515 v191119jgv1 \$1,164.29 </div> </div> |
| Sweep Tests | 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 GTOWER | \$868,300.00 | \$825,000.00 | | \$291,731.60 | |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$400,000.00 | N/A | \$122,107.00 | N/A |
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00 | \$25,000.00 | N/A | \$4,000.00 | N/A |
| Major tower reinforcement /modifications | \$421,000.00 | \$400,000.00 | N/A | \$165,624.60 | N/A |
| Sub-total | \$868,300.00 | \$825,000.00 | N/A | \$291,731.60 | N/A |
| Total for all systems | \$2,404,736.82 | \$2,316,578.26 | N/A | \$1,068,292.29 | N/A |

Components

| Actual Information | |
|--------------------|-----------|
| Description | File Name |

| | |
|---|--|
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | <div> Component Description: ERI WLED-8000 v200217jgv2 </div> <div> Amount: \$122,107.00 </div> |
| Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study | <div> Component Description: Structural Re-analysis of existing tower </div> <div> Amount: \$1,200.00 </div> |
| | <div> Component Description: Structural Analysis of existing tower </div> <div> Amount: \$1,500.00 </div> |
| | <div> Component Description: All Pts 24845 v190930jgv1 </div> <div> Amount: \$1,300.00 </div> |
| Major tower reinforcement /modifications | <div> Component Description: ERI WLED-54517-1 v191119jgv1 </div> <div> Amount: \$25,536.10 </div> |
| | <div> Component Description: ERI WLED-54517 v190711jgv1 </div> <div> Amount: \$60,808.40 </div> |
| | <div> Component Description: ERI WLED-700 v190812jgv1 </div> <div> Amount: \$76,010.50 </div> |
| | <div> Component Description: Dodge 37339 v191121jgv1 </div> <div> Amount: \$3,269.60 </div> |

Cost
Information

Outside Professional Services

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|--------------------------------|-------------------|------------------------------------|-------------|------------------------------|
| Outside Professional Services | \$198,930.00 | \$211,454.50 | | \$43,701.74 | |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | \$3,680.00 | \$3,500.00 | N/A | \$1,094.40 | 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 - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | N/A | \$119.25 | N/A |
| Prepare request for Special Temporary Authorization | \$2,050.00 | \$1,500.00 | N/A | \$1,500.00 | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | \$725.00 | N/A |

| | | | | | |
|--|--------------------|-------------|---|-------------|---|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$4,500.00 | See attached KGA invoices 211-27 and 211-88. | \$4,500.00 | FCC CP applicatic |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | \$3,250.00 | FCC RF allocation study for n channel assignme and anten developm |
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00 | \$2,500.00 | N/A | N/A | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$20,054.50 | The cost estimate includes Form 399 submissions including ongoing Actual Cost invoice prep and submission by KGA, and amendments as needed. | \$20,054.50 | N/A |
| Project management of the transition | \$6,320.00 | \$6,160.00 | N/A | \$3,114.99 | Checks for reimbursement bank acco |
| Other Engineering Services | \$46,490.00 | \$46,490.00 | N/A | \$5,542.00 | N/A |
| Other Legal Services | \$15,000.00 | \$15,000.00 | N/A | \$3,801.60 | N/A |

| | | | | | |
|--|----------------|----------------|-----|----------------|-----|
| Additional Field Engineering Service, 6 Days | \$12,000.00 | \$12,000.00 | N/A | N/A | N/A |
| Comprehensive coverage verification via field study, if needed | \$84,200.00 | \$80,000.00 | 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 | \$2,000.00 | N/A | N/A | N/A |
| ASR modification (prepare FCC Form 854) | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |
| Sub-total | \$198,930.00 | \$211,454.50 | N/A | \$43,701.74 | N/A |
| Total for all systems | \$2,404,736.82 | \$2,316,578.26 | N/A | \$1,068,292.29 | N/A |

Components

| Actual Information | |
|--|---|
| Description | File Name |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | <p>Component Description: Foster Garvey 2753294 v200608jgv1</p> <p>Amount: \$1,094.40</p> |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. |

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|--|-------------------------------|--|
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Component Description: | Legal services related to Quarterly report for WLED |
| | Amount: | \$30.00 |
| | Component Description: | Various Legal services related to Repack for WLED |
| | Amount: | \$119.25 |
| Prepare request for Special Temporary Authorization | Component Description: | KGA 211-103 v200210jgv1 |
| | Amount: | \$1,500.00 |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Component Description: | KGA 211-98 v191030jgv1 |
| | Amount: | \$725.00 |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | Component Description: | KGA 211-88 v190826jgv1 |
| | Amount: | \$2,500.00 |
| | Component Description: | FCC Construction Permit application for Main Facility - WLED |
| | Amount: | \$2,000.00 |
| Perform engineering study for new channel assignment and antenna development | Component Description: | engineering study for new channel assignment and antenna development |
| | Amount: | \$3,250.00 |

| | | |
|--|---|--|
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. | |
| Prepare and or review reimbursement form | Component Description: Amount: | KGA 211-132 v200605pmv1 \$575.00 |
| | Component Description: Amount: | KGA 211-122 v200324jgv1 \$1,500.00 |
| | Component Description: Amount: | KGA 211-75 v190624jgv1 \$1,153.50 |
| | Component Description: Amount: | KGA 211-72 v200211jgv1 \$100.00 |
| | Component Description: Amount: | KGA 211-80 v190711jgv1 \$175.00 |
| | Component Description: Amount: | KGA 211-102 v191115jgv1 \$875.00 |
| | Component Description: Amount: | KGA 211-64 v200211jgv1 \$1,900.00 |
| | Component Description: Amount: | KGA 211-94 v191030jgv1 \$375.00 |

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|-------------------------------|--|
| Component Description: | KGA 211-87 v190826jgv1 |
| Amount: | \$2,375.00 |
| Component Description: | KGA 211-113 v200507jgv1 |
| Amount: | \$475.00 |
| Component Description: | KGA 211-124 v200507jgv1 |
| Amount: | \$225.00 |
| Component Description: | KGA 211-111 v200127jgv1 |
| Amount: | \$2,550.00 |
| Component Description: | KGA 211-130 v200506jgv1 |
| Amount: | \$50.00 |
| Component Description: | Consultation regarding reimbursable items. |
| Amount: | \$801.00 |
| Component Description: | KGA 211-92 v190916jgv1 |
| Amount: | \$1,000.00 |
| Component Description: | KGA 211-82 v190711jgv1 |
| Amount: | \$2,675.00 |

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|---|-------------------------------|---|
| | Component Description: | KGA inv #211-73 Actual Cost invoices by RG March 2019 UL20190424jgv1 |
| | Amount: | \$200.00 |
| | Component Description: | KGA 211-53 v200208jgv1 |
| | Amount: | \$150.00 |
| | Component Description: | KGA 211-119 v200507jgv1 |
| | Amount: | \$500.00 |
| Project management of the transition | Component Description: | KGA 211-67 v200208jgv1 |
| | Amount: | \$50.00 |
| | Component Description: | Preparation of original Form 399 for reimbursement |
| | Amount: | \$2,500.00 |
| | Component Description: | KGA 211-56 v200208jgv1 |
| | Amount: | \$397.50 |
| Project management of the transition | Component Description: | KGA inv #211-32 Form 387 2017 Q3 UL20190228jgv2 |
| | Amount: | \$300.00 |
| | Component Description: | KGA inv #211-41 Actual Cost UL20190228jgv2 |
| | Amount: | \$375.00 |

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| Component Description: | KGA inv #211-34 Actual Cost UL20190228jgv2 |
| Amount: | \$300.00 |

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| Component Description: | KGA 211-128 v200507jgv1 |
| Amount: | \$150.00 |

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|-------------------------------|---------------------------|
| Component Description: | KGA 211-84 v190711jgv1 |
| Amount: | \$150.00 |

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|-------------------------------|---------------------------|
| Component Description: | KGA 211-96 v200210jgv1 |
| Amount: | \$150.00 |

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|-------------------------------|----------------------------|
| Component Description: | KGA 211-105 v200127jgv1 |
| Amount: | \$150.00 |

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|-------------------------------|----------------------------|
| Component Description: | KGA 211-104 v191209jgv1 |
| Amount: | \$150.00 |

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|-------------------------------|---|
| Component Description: | Prepare and submit Sched 399 actual charges |
| Amount: | \$375.00 |

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|-------------------------------|---|
| Component Description: | KGA inv #211-46 Form 387 2018 Q1 UL20190228jgv2 |
| Amount: | \$225.00 |

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|-------------------------------|---------------------------------|
| Component Description: | Prepare and submit Sched 387 |
| Amount: | \$225.00 |

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|-------------------------------|---------------------------------|
| Component Description: | Prepare and submit Sched 387 |
| Amount: | \$225.00 |

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| Component Description: | KGA inv #211-39 Form 387 2017 Q4 UL20190228jgv2 |
| Amount: | \$225.00 |

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|-------------------------------|-------------------------------------|
| Component Description: | Proj Mgmt 3Q2017 report for WLED |
| Amount: | \$300.00 |

| | |
|-------------------------------|----------------------------------|
| Component Description: | Prep and submit Form 387 3Q18 |
| Amount: | \$150.00 |

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|-------------------------------|--|
| Component Description: | Proj Mgmt 399 Actual Costs Invoice uploads for WLED |
| Amount: | \$300.00 |

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|-------------------------------|---|
| Component Description: | KGA inv #211-70 Form 387 2019 Q1 UL20190424jgv1 |
| Amount: | \$150.00 |

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|-------------------------------|---------------------------|
| Component Description: | KGA 211-50 v200208jgv1 |
| Amount: | \$150.00 |

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|----------------------------|-------------------------------|--|
| | Component Description: | KGA 211-116 v200206jgv1 |
| | Amount: | \$150.00 |
| | Component Description: | One half the cost for checks associated with the reimbursement bank account. |
| | Amount: | \$24.99 |
| | Component Description: | KGA inv #211-42 Other Eng Svcs UL20190228jgv2 |
| | Amount: | \$315.00 |
| | Component Description: | Preliminary design of RF transmission facilities for planning |
| | Amount: | \$315.00 |
| <hr/> | | |
| Other Engineering Services | Component Description: | KGA 211-85 v190808jgv1 |
| | Amount: | \$1,100.00 |
| | Component Description: | KGA 211-109 v200210jgv1 |
| | Amount: | \$250.00 |
| | Component Description: | KGA 211-66 v200211jgv1 |
| | Amount: | \$265.00 |
| | Component Description: | KGA 211-65 v200211jgv1 |
| | Amount: | \$475.00 |

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|-------------------------------|--------------------------------------|
| Component Description: | Prep and submit actual cost invoices |
| Amount: | \$275.00 |

| | |
|-------------------------------|---|
| Component Description: | Prep, amend and submit actual cost invoices |
| Amount: | \$397.50 |

| | |
|-------------------------------|---|
| Component Description: | RF calculations for new equipment purchases |
| Amount: | \$265.00 |

| | |
|-------------------------------|------------------------|
| Component Description: | KGA 211-77 v200211jgv1 |
| Amount: | \$1,050.00 |

| | |
|-------------------------------|------------------------|
| Component Description: | KGA 211-51 v200208jgv1 |
| Amount: | \$265.00 |

| | |
|-------------------------------|--------------------------|
| Component Description: | Primary Antenna Analysis |
| Amount: | \$1,139.50 |

| | |
|-------------------------------|---|
| Component Description: | Coverage comparisons for proposed antenna selection |
| Amount: | \$265.00 |

| | |
|-------------------------------|------------------------|
| Component Description: | KGA 211-60 v200208jgv1 |
| Amount: | \$1,139.50 |

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| | Component Description: KGA 211-100 v191030jgv1 Amount: \$325.00 |
| Other Legal Services | Component Description: GSB 727564 v191030jgv1 Amount: \$324.00 Component Description: GSB 720207 v190826jgv1 Amount: \$150.00 Component Description: GSB 726461 v191008jgv1 Amount: \$504.00 Component Description: GSB 713173 v190624jgv1 Amount: \$210.00 Component Description: GSB 716828 v190826jgv1 Amount: \$90.00 Component Description: GSB 720616 v190826jgv1 Amount: \$90.00 Component Description: Foster Garvey 2732759 v200226jgv1 Amount: \$1,188.00 |

| | |
|--|--|
| | Component Description: Foster Garvey 2736750 v200208jgv1 Amount: \$270.00 |
| | Component Description: Foster Garvey 2744668 v200324jgv1 Amount: \$345.60 |
| | Component Description: GSB 712794 v190826jgv1 Amount: \$660.00 |
| | Component Description: GSB 712794 v190613jgv3 Amount: \$510.00 |
| | Component Description: Foster Garvey 2739595 v200207jgv1 Amount: \$120.00 |
| Additional Field Engineering Service, 6 Days | 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. |

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 | \$73,550.00 | \$73,000.00 | | \$4,535.00 | |
| MVPD Notification of Channel Change | \$2,000.00 | \$2,000.00 | N/A | \$1,640.00 | N/A |
| Develop and air announcement of upcoming channel change | \$0.00 | \$0.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | \$50,000.00 | \$50,000.00 | N/A | N/A | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | \$10,000.00 | \$10,000.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$11,000.00 | N/A | \$2,895.00 | N/A |
| Sub-total | \$73,550.00 | \$73,000.00 | N/A | \$4,535.00 | N/A |
| Total for all systems | \$2,404,736.82 | \$2,316,578.26 | N/A | \$1,068,292.29 | N/A |

Components

| Actual Information | |
|--------------------|-----------|
| Description | File Name |

| | |
|--|--|
| MVPD Notification of Channel Change | <p>Component Description: KGA 211-89 v190826jgv1</p> <p>Amount: \$1,640.00</p> |
| Develop and air announcement of upcoming channel change | Information not provided. |
| Equipment Delivery and Handling Charges | Information not provided. |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided. |
| DTV Medical Facility Notification | <p>Component Description: KGA 211-90 v190826jgv1</p> <p>Amount: \$2,895.00</p> |

**Cost
Information**

Grand Total

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|-----------------------|--------------------------------|----------------|----------------|
| Total for all systems | \$2,404,736.82 | \$2,316,578.26 | \$1,068,292.29 |

Reimbursement Status

| Question | Response |
|--|----------|
| The facility has ceased operating on its pre-auction channel. | Yes |
| 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.

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|---|--|
| <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>Jeffrey C Gehman <i>Engineering Associate</i></p> <p>06/08/2020</p> |

| 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.

| | |
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| <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>Jeffrey C Gehman <i>Engineering Associate</i></p> <p>06/08/2020</p> |

Attachments