



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **72106** | Service: **DTV** | Call **WGHP** | Channel: **31 (UHF)**
ID: | Sign:
File **0000028250**
Number:
FRN: **0022824668** | Date **08/25**
Submitted: **/2017**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|------------------|---|-------------------|---------------------|---------------------------|
| WGHP, LLC | Zack Greer 2005 Francis Street High Point, NC 27263 United States | +1 (336) 821-1152 | zack.greer@wghp.com | Limited Liability Company |

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 |
|---|--|-------------------|------------------------|
| Bill Vanduynehoven , Vanduynehov . <i>Director of Engineering operations</i> <i>Tribune Broadcasting</i> | Bill Vanduynehoven 2211 Rabbit Hill Cir Dacula, GA 30019 United States | +1 (404) 312-8693 | BillV@Tribunemedia.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 antenna and transmission Line Replace transmitter |

Transmitters

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

Auxiliary Transmitter

Existing Transmitter Information

| Section | Question | Response |
|---|--|--------------------|
| Existing Transmitter Description | Type of change | Retune Existing |
| | Use | Auxiliary (Backup) |
| | Ownership | Owned |
| | Owner | 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 | Larcan |
| | Model | DTT5SU |
| | Year | 2010 |
| | Type | Solid State |

| | |
|----------------------------|------------|
| Solid State Cooling | Air Cooled |
| Solid State Power capacity | 5 kW |

Auxiliary Transmitter

Retuning Transmitter Costs

| Section | Question | Response |
|------------------------|--|------------------------|
| New IOT Tubes | Number of Tubes (including accessories) needed | N/A |
| New Mask Filter | Power | 10 kW |
| | Other Power | N/A |
| New Exciter | Is a new exciter needed? | Yes |
| | Exciter Type | Single frequency agile |

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? | No |
| Existing Transmitter Manufacturer and Type | Manufacturer | |
| | Model | Landmark DTT60M |
| | Year | 2000 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Two |
| | Power Capacity | 60 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 | ULXTD-80 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 70 kW |
| | Justification for New Transmitter | Larcant transmitter is not re-tuneable and due to parts availability in 2016 we replaced it. ULXTD-80 was installed in to replace it. A new RF system is required for the new 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 | Electrical installation |
| 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 |

Primary Transmitter **Other Transmitter Cost Not Listed**

| Name | Description |
|----------------------|--|
| New RF System | Ch 31 Re-tuning Quote |
| Disposal fees | Recycling of coolant and Trash removal |

Antennas

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

**Auxiliary
Antenna**

Existing Antenna Information

| Section | Question | Response |
|---|--|-----------------------|
| Existing Antenna Description | Type of change | Purchase New |
| | Antenna Use | Auxiliary (Backup) |
| | Description of Use | Auliliary |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | No |
| | Is the existing antenna directional? | Yes |
| | 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 | Side 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) | 50.0 kW |

| | |
|--------------|----------|
| Manufacturer | |
| Model | ALN-8-35 |
| Year | 2010 |

**Auxiliary
Antenna**

New Antenna Costs

| Section | Question | Response |
|---|--|-----------------------|
| New Antenna Description | Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| New Antenna Manufacturer and Types | Class | Full Power |
| | Mounting | Side 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) | 50.0 kW |
| | Manufacturer | |
| Model | ALN8-31 | |

| | |
|-------------------------------|--|
| Year | 2019 |
| Justification for New Antenna | Existing antenna will not work on assigned channel |

Auxiliary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|----------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | No |
| | Type | |
| | Number of channels supported | N/A |
| | Frequencies of channels supported | N/A |
| | Frequency | 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? | Yes |
| 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 |

Auxiliary Antenna

Other Antenna Cost Not Listed

Information not provided.

**Auxiliary
Antenna**

Add Antenna Information

| Section | Question | Response |
|---|---|-----------------------|
| Existing Antenna Description | Type of change | Purchase New |
| | Antenna Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this antenna currently shared with any other stations? | No |
| | Is this antenna directional? | Yes |
| | 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 | Side 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) | 75.0 kW |

| | |
|--------------|-------------------|
| Manufacturer | |
| Model | TFU-2ST- RS190 |
| Year | 2001 |

**Auxiliary
Antenna**

New Antenna Costs

| Section | Question | Response |
|---|--|--------------------|
| New Antenna Description | Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| New Antenna Manufacturer and Types | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Broadband Slot |
| | Number of Stations Supported | 1 |
| | Number of Panels/Bays | 8 |
| | Lower Limit | 470.00 MHz |
| | Upper Limit | 670.00 MHz |
| | Design power capacity in use | 90.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 200.0 kW |
| | Manufacturer | |
| Model | TFU-WB8 | |

| | |
|-------------------------------|---|
| Year | 2019 |
| Justification for New Antenna | Current antenna will not work on assigned channel. Wide Band antenna selected to allow for operation before and after channel change. |

Auxiliary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|----------------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | No |
| | Type | |
| | Number of channels supported | N/A |
| | Frequencies of channels supported | N/A |
| | Frequency | 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 |

**Auxiliary
Antenna**

Other Antenna Cost Not Listed

| Name | Description |
|----------|----------------------------|
| Adapters | Transmission line adapters |

**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 | Side 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) | 1000.0 kW |

| | |
|--------------|-----------------------|
| Manufacturer | |
| Model | TFU- 34DSC-R 04 |
| 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? | 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) | 922.0 kW |
| | Manufacturer | |

| | |
|-------------------------------|--|
| Model | TFU-31JTH /VP-R 06 |
| Year | 2019 |
| Justification for New Antenna | Top is only available position on tower without disturbing current operation. Current antenna will not work on assigned channel. Top Mount will allow reuse of existing Transmission Line. |

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 | 6 1/8 inches inches |

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

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? |

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 | Dielectric |
| | Type | Rigid |
| | Diameter | 6 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 900 feet per run |

Primary Transmission Line **Other Transmission Line Expenses Not Listed**
 Information not provided.

Auxiliary Transmission Line **Add Transmission Line**

| Section | Question | Response |
|---|--|--------------------|
| Existing Transmission Line Description | Type of change | Utilize Existing |
| | Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this transmission currently shared with any other stations? | No |
| | Is Transmission Line in operating condition? | Yes |
| Existing Transmission Line Manufacturer and Type | Manufacturer | Andrew /Comscope |
| | Type | Flexible Air |
| | Diameter | 3 inches |
| | Other Diameter | N/A |
| | Segment Length | N/A |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1000 feet per run |

Auxiliary Transmission Line **Other Transmission Line Expenses Not Listed**
 Information not provided.

**Auxiliary
Transmission
Line** **Existing Transmission Line**

| Section | Question | Response |
|---|--|--------------------|
| Existing Transmission Line Description | Type of change | Utilize Existing |
| | Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary |
| | 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 | Andrew ERI |
| | Type | Flexible Air |
| | Diameter | 1 5/8 inches |
| | Other Diameter | N/A |
| | Segment Length | N/A |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 900 feet per run |

**Auxiliary
Transmission
Line** **Other Transmission Line Expenses Not Listed**

Information not provided.

Tower Equipment And Rigging Costs

| Section | Question | Response |
|--|---|----------|
| Tower Equipment or Rigging Costs Changes | Do you have tower equipment or rigging costs changes? | Yes |

Auxiliary Tower

Existing Tower

| Section | Question | Response |
|---|---|--------------------|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Auxiliary (Backup) |
| | Description of Use | Aulliliary |
| | 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? | No |
| | Is tower compliant with Rev G? | No |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1000751 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 35° 48' 47.0" N- |
| | Longitude (NAD83) | 079° 50' 35.0" W- |
| | Overall Structure Height | 1255.56 feet |
| | Support Structure Height | 1122.03 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 776.89 feet |

| | |
|------------------|--|
| Structure Type | TOWER - Free Standing or Guyed Structure |
| Tower Owner | WGHP License, LLC |
| Date Constructed | 07/01/1963 |

Auxiliary 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: | Minor Reinforcements needed |

Auxiliary Tower

Tower Rigging Costs

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

Auxiliary Tower

Other Tower Expenses Not Listed

Information not provided.

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? | No |
| | Is tower compliant with Rev G? | No |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1251069 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 35° 48' 46.5" N- |
| | Longitude (NAD83) | 079° 50' 28.1" W- |
| | Overall Structure Height | 1248.02 feet |
| | Support Structure Height | 1248.02 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 785.10 feet |
| | Structure Type | TOWER - Free Standing or Guyed Structure |

| | |
|------------------|-------------------|
| Tower Owner | WGHP License, LLC |
| Date Constructed | 12/31/2005 |

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

Information not provided.

Outside Professional Services Costs

| Section | Question | Response |
|--|--|---|
| Outside Project Management Services | Do you require outside project management services? | No |
| | Number of Hours | N/A |
| | Explanation | N/A |
| 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 | No |
| | Quantity | N/A |
| | 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 |
| For Auxiliary Facility | | N/A |
| For Main Facility | | N/A |
| Prepare and file Form FCC License to Cover Application | | No |
| For Auxiliary Facility | | N/A |
| For Main Facility | | N/A |

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

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

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 | Yes |
| | 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)? | No |
| | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | No |
| | 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

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 ULXTD-80 | \$2,296,000.00 | \$1,540,789.00 | | \$0.00 | |
| Disposal fees | <i>\$5,000.00</i> | \$5,000.00 | N/A | N/A | N/A |
| New RF System | <i>\$242,000.00</i> | \$242,000.00 | N/A | N/A | N/A |
| Other Electrical Service: Electrical installation | <i>\$50,000.00</i> | \$50,000.00 | N/A | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW | \$1,999,000.00 | \$1,243,789.00 | N/A | \$0.00 | N/A |
| Auxiliary Transmitter DTT5SU | \$134,560.00 | \$43,450.00 | | \$0.00 | |
| Single frequency agile exciter | \$21,050.00 | \$10,000.00 | N/A | N/A | N/A |
| 10 kW mask filter | \$8,310.00 | \$8,450.00 | Quote price | N/A | N/A |
| UHF and VHF - minor banding issues | \$105,200.00 | \$25,000.00 | N/A | N/A | N/A |
| Sub-total | \$2,430,560.00 | \$1,584,239.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,929,450.00 | \$2,395,239.00 | N/A | \$0.00 | N/A |

Components

Information not provided.

Cost Information

Antennas

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|---------------------|------------------------------|---------------|---------------------------|
| Primary Antenna TFU-31JTH/VP-R 06 | \$308,530.00 | \$268,100.00 | | \$0.00 | |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00 | \$250,000.00 | N/A | N/A | N/A |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | \$12,300.00 | \$11,700.00 | N/A | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | N/A | N/A |
| Auxiliary Antenna ALN8-31 | \$119,280.00 | \$12,400.00 | | \$0.00 | |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | N/A | N/A |
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | \$89,400.00 | \$6,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|-----------------------|-----------------------|------------|---------------|------------|
| Side mount brackets for high power antennas (if not included in antenna base cost) | \$23,150.00 | \$0.00 | N/A | N/A | N/A |
| Auxiliary Antenna TFU-WB8 | \$211,800.00 | \$66,500.00 | | \$0.00 | |
| UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized | \$189,500.00 | \$45,000.00 | N/A | N/A | N/A |
| Adapters | <i>\$6,000.00</i> | \$6,000.00 | 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 | N/A | N/A |
| Sub-total | \$639,610.00 | \$347,000.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,929,450.00 | \$2,395,239.00 | N/A | \$0.00 | N/A |

Components

Information not provided.

**Cost
Information**

Transmission Line

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|------------------------------|-----------------------------|----------------|------------------------------|-------------|---------------------------|
| Primary Transmission Line | \$0.00 | \$0.00 | | \$0.00 | |
| Auxiliary Transmission Line | \$0.00 | \$0.00 | | \$0.00 | |
| Auxiliary Transmission Line | \$0.00 | \$0.00 | | \$0.00 | |
| Sub-total | \$0.00 | \$0.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,929,450.00 | \$2,395,239.00 | N/A | \$0.00 | N/A |

Components

Information not provided.

Cost Information

Tower Equipment and Rigging Costs

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|---------------------|------------------------------|---------------|---------------------------|
| Auxiliary Tower TOWER | \$394,800.00 | \$105,000.00 | | \$0.00 | |
| Tall Tower (greater than 500') | \$210,500.00 | \$35,000.00 | N/A | N/A | N/A |
| Minor tower reinforcement /modifications | \$158,000.00 | \$55,000.00 | N/A | N/A | N/A |
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00 | \$15,000.00 | N/A | N/A | N/A |
| Primary Tower TOWER | \$381,100.00 | \$288,000.00 | | \$0.00 | |
| Minor tower reinforcement /modifications | \$158,000.00 | \$120,000.00 | N/A | N/A | N/A |
| Tall Tower (greater than 500') | \$210,500.00 | \$156,000.00 | N/A | N/A | N/A |
| Structural engineering tower load study for well documented tower | \$12,600.00 | \$12,000.00 | N/A | N/A | N/A |
| Sub-total | \$775,900.00 | \$393,000.00 | N/A | \$0.00 | N/A |

| | | | | | |
|------------------------------|----------------|----------------|-----|--------|-----|
| Total for all systems | \$3,929,450.00 | \$2,395,239.00 | N/A | \$0.00 | N/A |
|------------------------------|----------------|----------------|-----|--------|-----|

Components

Information not provided.

Cost Information

Outside Professional Services

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|--------------------|------------------------------|---------------|---------------------------|
| Outside Professional Services | \$36,830.00 | \$25,000.00 | | \$0.00 | |
| RF Exposure Measurements | \$21,050.00 | \$10,000.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | N/A | N/A |

| | | | | | |
|---|----------------|----------------|-----|--------|-----|
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |
| Sub-total | \$36,830.00 | \$25,000.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,929,450.00 | \$2,395,239.00 | N/A | \$0.00 | N/A |

Components

Information not provided.

Cost Information

Other Expenses

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|-----------------------|------------------------------|---------------|---------------------------|
| Other Expenses | \$46,550.00 | \$46,000.00 | | \$0.00 | |
| MVPD Notification of Channel Change | <i>\$5,000.00</i> | \$5,000.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$11,000.00 | N/A | N/A | N/A |
| Local Zoning | <i>\$15,000.00</i> | \$15,000.00 | N/A | N/A | N/A |
| Equipment Storage | <i>\$15,000.00</i> | \$15,000.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | <i>\$0.00</i> | \$0.00 | N/A | N/A | N/A |
| Sub-total | \$46,550.00 | \$46,000.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,929,450.00 | \$2,395,239.00 | N/A | \$0.00 | N/A |

Components

Information not provided.

Cost Information **Grand Total**

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|------------------------------|------------------------------------|-----------------------|--------------------|
| Total for all systems | \$3,929,450.00 | \$2,395,239.00 | \$0.00 |

Reimbursement Status

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

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

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

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.

**Bill
Vanduyhoven**
*Director of
Engineering
Operations*

08/25/2017

Attachments