



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **73195** | Service: **DTV** | Call **WKYC** | Channel: **19 (UHF)** |  
ID: | Sign:  
File **0000028022**  
Number:  
FRN: **0024376642** | Date **10/16**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant                                                 | Address                                                                                               | Phone                | Email                 | Applicant Type                  |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------|-----------------------|---------------------------------|
| <b>WKYC-TV, LLC</b><br>Doing Business As:<br>WKYC-TV, LLC | Law<br>Department<br>TEGNA Inc.<br>7950 Jones<br>Branch Drive<br>McLean, VA<br>22107<br>United States | +1 (703)<br>873-6600 | lawdept@tegna.<br>com | Limited<br>Liability<br>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                   |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------|-------------------------|
| <b>Jeffrey Johnson ,<br/>Johnson .</b><br><i>Vice President Projects</i><br>TEGNA | Jeffrey Johnson<br>7950 Jones Branch<br>Drive<br>McLean, VA 22102<br>United States | +1 (703) 873-<br>6736 | jsjohnson@tegna.<br>com |

**Broadcaster  
Information  
and  
Transition  
Plan**

| Question                                                                                                                                                                                                                                                                                                                                                     |  | Response                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. |  | Yes                                                                                                                                                                                                        |
| Briefly describe transition plan                                                                                                                                                                                                                                                                                                                             |  | WKYC operates on a shared tower with WVIZ. Each stations has separate transmitters antennas and transmission lines. WKYC Will be replacing the Primary and Aux antenna, transmission line and transmitter. |

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

| Section                                    | Question                                                   | Response              |
|--------------------------------------------|------------------------------------------------------------|-----------------------|
| Existing Transmitter Description           | Type of change                                             | Purchase New          |
|                                            | Use                                                        | Primary (Main)        |
|                                            | Description of Use                                         | N/A                   |
|                                            | Ownership                                                  | Owned                 |
|                                            | Owner                                                      | N/A                   |
|                                            | Site                                                       | N/A                   |
|                                            | Is this transmitter currently shared with another station? | No                    |
|                                            | Is this transmitter currently in operating condition?      | Yes                   |
| Existing Transmitter Manufacturer and Type | Manufacturer                                               |                       |
|                                            | Model                                                      | PWR60 D2              |
|                                            | Year                                                       | 2008                  |
|                                            | 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                                     | ULXTE 90                                                                                                                                                                                                                                      |
|                 | Transmitter Type                          | Solid State                                                                                                                                                                                                                                   |
|                 | Solid State Cooling                       | Liquid Cooled                                                                                                                                                                                                                                 |
|                 | Solid State Power capacity                | 56.4 kW                                                                                                                                                                                                                                       |
|                 | Justification for New Transmitter         | Station has in excess of 10% TPO headroom and is eligible for a 1-Step-Up Allowance. Reimbursable TPO is 49.6 kW based on initial 90-day filing CP. This would require a ULXTE-80. A 1-Step-Up is the ULXTE-90 and is therefore reimbursable. |

**Primary  
Transmitter**

**Other Transmitter Costs**

| Section            | Question                              | Response |
|--------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No       |
|                    |                                       |          |

|                                                                            |                                                                                               |                                                                                                                                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|                                                                            | Switchgear (industrial 800 amp)                                                               | No                                                                                                                                 |
|                                                                            | Transformer (480V)                                                                            | Yes                                                                                                                                |
|                                                                            | Power                                                                                         | 300 kVA                                                                                                                            |
|                                                                            | Rigid Conduit and Wiring                                                                      | Yes                                                                                                                                |
|                                                                            | Size                                                                                          | 3 inches                                                                                                                           |
|                                                                            | Length                                                                                        | 100.0 feet                                                                                                                         |
|                                                                            | Other Electrical Service                                                                      | Yes                                                                                                                                |
|                                                                            | Description                                                                                   | Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc. |
| <b>HVAC Service</b>                                                        | Does the replacement transmitter require HVAC Service?                                        | No                                                                                                                                 |
|                                                                            | Type                                                                                          | N/A                                                                                                                                |
|                                                                            | Size                                                                                          | N/A                                                                                                                                |
|                                                                            | Other Size                                                                                    | N/A                                                                                                                                |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | Yes                                                                                                                                |
|                                                                            | Size                                                                                          | 900.0 square feet                                                                                                                  |
| <b>Channel 14 Costs</b>                                                    | Is an RF Consulting Engineer needed?                                                          | N/A                                                                                                                                |
|                                                                            | Is a channel 14 Mask Filer needed?                                                            | N/A                                                                                                                                |
|                                                                            | Is additional field engineering time needed?                                                  | N/A                                                                                                                                |
|                                                                            | Number of Days                                                                                | N/A                                                                                                                                |

Primary  
Transmitter

Other Transmitter Cost Not Listed

| Name                   | Description            |
|------------------------|------------------------|
| Installation and Proof | Installation and Proof |
| Mask Filter            | Mask Filter            |
| RF Accessories         | RF Accessories         |

**Antennas**

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

**Auxiliary  
Antenna****Existing Antenna Information**

| Section                                           | Question                                                            | Response                                   |
|---------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change                                                      | Purchase<br>New                            |
|                                                   | Antenna Use                                                         | Auxiliary<br>(Backup)                      |
|                                                   | Description of Use                                                  | Use during<br>maintenance<br>or tower work |
|                                                   | Ownership                                                           | Owned                                      |
|                                                   | Owner                                                               | N/A                                        |
|                                                   | Site                                                                | N/A                                        |
|                                                   | Is the existing antenna shared with another<br>station or stations? | No                                         |
|                                                   | Is the existing antenna directional?                                | Yes                                        |
|                                                   | Is antenna in operating condition?                                  | Yes                                        |
|                                                   | Is antenna located on or in close proximity<br>to an antenna farm?  | No                                         |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class                                                               | Full Power                                 |
|                                                   | Mounting                                                            | Side Mount                                 |
|                                                   | Antenna position in stack                                           | Not in Stack                               |
|                                                   | Polarization                                                        | Horizontal                                 |
|                                                   | Type                                                                | Slotted<br>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)<br>..... | 930.0 kW             |
| Manufacturer                             |                      |
| Model                                    | TFU24DSC-<br>R 4C150 |
| Year                                     | 2008                 |

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## Auxiliary Antenna

### New Antenna Costs

| Section                               | Question                                                                | Response                                                       |
|---------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------|
| New Antenna Description               | Use                                                                     | Auxiliary<br>(Backup)                                          |
|                                       | Description of Use                                                      | used during<br>line repair<br>or other<br>tower<br>maintenance |
|                                       | Change Type                                                             | Purchase<br>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<br>proximity to an antenna farm? | No                                                             |
|                                       |                                                                         |                                                                |
| New Antenna<br>Manufacturer and Types | Class                                                                   | Full Power                                                     |
|                                       | Mounting                                                                | Side Mount                                                     |
|                                       | Antenna position in stack                                               | Not in Stack                                                   |
|                                       | Polarization                                                            | Horizontal                                                     |
|                                       | Type                                                                    | Broadband<br>Slot                                              |
|                                       | Number of Stations Supported                                            | 1                                                              |
|                                       | Number of Panels/Bays                                                   | 24                                                             |
|                                       | Lower Limit                                                             | 488.00 MHz                                                     |
|                                       | Upper Limit                                                             | 494.00 MHz                                                     |
|                                       | Design power capacity in use                                            | 100.0 %                                                        |
|                                       | Other Antenna Type                                                      | N/A                                                            |
|                                       | ERP: (Effective Radiated Power)<br>.....                                | 930.0 kW                                                       |

|                               |                                                                                                                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer                  |                                                                                                                                                                                                                                           |
| Model                         | TFU-24WB-R C160                                                                                                                                                                                                                           |
| Year                          | 2019                                                                                                                                                                                                                                      |
| Justification for New Antenna | Station has a licensed AUX facility and must be replaced. It is necessary to keep station on air during primary antenna replacement & for duration of assigned phase. A TFU-24WB cost is equivalent to a single-channel slot AUX antenna. |

## Auxiliary Antenna

### Other Antenna Costs

| Section                            | Question                                                              | Response |
|------------------------------------|-----------------------------------------------------------------------|----------|
| <b>Combiner for Shared Antenna</b> | 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      |

|                                 |                                                                                                             |                        |
|---------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------|
| <b>Elbow Complex</b>            | Do you require the separate purchase of the Elbow Complex?                                                  | Yes                    |
|                                 | Broadband or Single Channel?                                                                                | Broadband              |
|                                 | Feed Line Size                                                                                              | 6 1/8 inches<br>inches |
| <b>Side Mount Brackets</b>      | Do you require the separate purchase of side mount brackets for a high power antenna?                       | Yes                    |
| <b>Pattern Scatter Analysis</b> | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | Yes                    |
| <b>Sweep Test</b>               | Do you require the sweep testing of transmission line and antenna?                                          | Yes                    |

## Auxiliary Antenna

### Other Antenna Cost Not Listed

| Name     | Description |
|----------|-------------|
| Shipping | \$5,400     |

**Primary  
Antenna**

**Existing Antenna Information**

| Section                                           | Question                                                         | Response           |
|---------------------------------------------------|------------------------------------------------------------------|--------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change                                                   | Purchase<br>New    |
|                                                   | Antenna Use                                                      | Primary<br>(Main)  |
|                                                   | Description of Use                                               | N/A                |
|                                                   | Ownership                                                        | Owned              |
|                                                   | Owner                                                            | N/A                |
|                                                   | Site                                                             | N/A                |
|                                                   | Is the existing antenna shared with another station or stations? | 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                 |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class                                                            | Full Power         |
|                                                   | Mounting                                                         | Top Mount          |
|                                                   | Antenna position in stack                                        | Bottom             |
|                                                   | Polarization                                                     | Horizontal         |
|                                                   | Type                                                             | Slotted<br>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)<br>.....                         | 868.0 kW           |
|                                                   |                                                                  |                    |

|              |                          |
|--------------|--------------------------|
| Manufacturer |                          |
| Model        | TFU-<br>20EBT-R<br>4C150 |
| Year         | 2008                     |

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?                                              | Yes             |
|                                    | 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                                            | Bottom          |
|                                    | 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)<br>.....                             | 911.0 kW        |
|                                    | Manufacturer                                                         |                 |
|                                    |                                                                      |                 |

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Model                         | TFU-20EBT-R 4C150                                                                                                   |
| Year                          | 2019                                                                                                                |
| Justification for New Antenna | Licensed top-mount, bottom-stack antenna cannot be re-tuned for new post-transition frequency and must be replaced. |

## Primary Antenna

### Other Antenna Costs

| Section                            | Question                                                                              | Response            |
|------------------------------------|---------------------------------------------------------------------------------------|---------------------|
| <b>Combiner for Shared Antenna</b> | 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                 |
| <b>Elbow Complex</b>               | 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 |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power antenna? | No                  |

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

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

| Name          |  | Description                                                                   |
|---------------|--|-------------------------------------------------------------------------------|
| Shipping      |  | \$9,800                                                                       |
| New Top Plate |  | Existing top-plate and/or bolt pattern may not work for new top-mount antenna |

**Transmission Line**

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

**Auxiliary  
Transmission Line**

**Existing Transmission Line**

| Section                                                 | Question                                                                   | Response                              |
|---------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------|
| <b>Existing Transmission Line Description</b>           | Type of change                                                             | Purchase New                          |
|                                                         | Use                                                                        | Auxiliary (Backup)                    |
|                                                         | Description of Use                                                         | backup for tower work and maintenance |
|                                                         | 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                                   |
| <b>Existing Transmission Line Manufacturer and Type</b> | Manufacturer                                                               |                                       |
|                                                         | Type                                                                       | Rigid                                 |
|                                                         | Diameter                                                                   | 6 1/8 inches                          |
|                                                         | Other Diameter                                                             | N/A                                   |
|                                                         | Segment Length                                                             | 19 1/2 inches                         |
|                                                         | Other Segment Length                                                       | N/A                                   |
|                                                         | Number of parallel runs                                                    | 1                                     |
|                                                         | Length                                                                     | 1160 feet per run                     |

**Auxiliary  
Transmission Line**

**New Transmission Line**

| Section                                | Question                                  | Response                                                                                                                                                                                               |
|----------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>New Transmission Line<br/>Costs</b> | Use                                       | Auxiliary<br>(Backup)                                                                                                                                                                                  |
|                                        | Description of Use                        | Backup for<br>maintenance<br>and tower<br>work                                                                                                                                                         |
|                                        | Change Type                               | Purchase<br>New                                                                                                                                                                                        |
|                                        | Is this a request for upgraded equipment? | No                                                                                                                                                                                                     |
|                                        | Type                                      | Rigid                                                                                                                                                                                                  |
|                                        | Diameter                                  | 6 1/8 inches                                                                                                                                                                                           |
|                                        | Other Diameter                            | N/A                                                                                                                                                                                                    |
|                                        | Segment Length                            | 19 3/4<br>inches                                                                                                                                                                                       |
|                                        | Other Segment Length                      | N/A                                                                                                                                                                                                    |
|                                        | Number of parallel runs                   | 1                                                                                                                                                                                                      |
|                                        | Length                                    | 875 feet per<br>run                                                                                                                                                                                    |
|                                        | Justification for New Transmission Line   | Existing<br>AUX TX line<br>will not work<br>on new<br>channel<br>assignment.<br>Therefore,<br>station must<br>replace<br>existing AUX<br>TX line with<br>new 19-3/4<br>ft section<br>line for<br>CH19. |

Auxiliary  
Transmission Line

Other Transmission Line Expenses Not Listed

| Name          | Description                                                                 |
|---------------|-----------------------------------------------------------------------------|
| TX Line Sweep | Sweep required to verify post-transition channel measures well on new line. |

**Primary**  
**Transmission Line**

**Existing Transmission Line**

| Section                                                 | Question                                                                   | Response          |
|---------------------------------------------------------|----------------------------------------------------------------------------|-------------------|
| <b>Existing Transmission Line Description</b>           | Type of change                                                             | Purchase New      |
|                                                         | Use                                                                        | Primary (Main)    |
|                                                         | Description of Use                                                         | N/A               |
|                                                         | Ownership                                                                  | Owned             |
|                                                         | Owner                                                                      | N/A               |
|                                                         | Site                                                                       | N/A               |
|                                                         | Is the existing transmission line shared with another station or stations? | No                |
|                                                         | Is Transmission Line in operating condition?                               | Yes               |
| <b>Existing Transmission Line Manufacturer and Type</b> | Manufacturer                                                               |                   |
|                                                         | 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                                                                     | 1170 feet per run |

**Primary  
Transmission Line**

**New Transmission Line**

| Section                                | Question                                  | Response                                                                                                                                                                                                                                                                                         |
|----------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>New Transmission Line<br/>Costs</b> | Use                                       | Primary<br>(Main)                                                                                                                                                                                                                                                                                |
|                                        | Description of Use                        | N/A                                                                                                                                                                                                                                                                                              |
|                                        | Change Type                               | Purchase<br>New                                                                                                                                                                                                                                                                                  |
|                                        | Is this a request for upgraded equipment? | No                                                                                                                                                                                                                                                                                               |
|                                        | 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                                    | 1170 feet<br>per run                                                                                                                                                                                                                                                                             |
|                                        | Justification for New Transmission Line   | Existing 6-1<br>/8" rigid<br>transmission<br>line uses<br>section<br>lengths that<br>are<br>prohibited<br>for post-<br>transition<br>Channel 19.<br>Therefore,<br>station must<br>replace<br>existing line<br>with new 6-1<br>/8" rigid<br>transmission<br>line made<br>up of 20 ft<br>sections. |

Primary  
Transmission Line

Other Transmission Line Expenses Not Listed

| Name          | Description                                                                 |
|---------------|-----------------------------------------------------------------------------|
| TX Line Sweep | Sweep required to verify post-transition channel measures well on new line. |

**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?                         |                   |
|                                                     | 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                                   | No                |
|                                                     | 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                                              | 1265403           |
| Coordinates (NAD83 ( North American Datum of 1983)) | Latitude (NAD83)                                        | 41° 23' 09.9" N-  |
|                                                     | Longitude (NAD83)                                       | 081° 41' 20.7" W- |
|                                                     | Overall Structure Height                                | 912.06 feet       |
|                                                     | Support Structure Height                                | 912.06 feet       |
|                                                     | Ground Elevation Above Mean Sea Level (AMSL)            | 1040.01 feet      |

|  |                  |                                          |
|--|------------------|------------------------------------------|
|  | Structure Type   | TOWER - Free Standing or Guyed Structure |
|  | Tower Owner      | 6600 Broadview LLC                       |
|  | Date Constructed | 06/05/2009                               |

**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 |
|-------------|-----------|---------|
| 18753       | WVIZ      | DTV     |

## 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                     | Other    |
| Helicopter Services Required | Are helicopter services required? | No       |

**Primary  
Tower**

**Other Tower Expenses Not Listed**  
Information not provided.

**Outside  
Professional**

| Section                                                           | Question                                                                     | Response                                                                                                                                                                                                                               |
|-------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Services Costs<br/>Outside Project<br/>Management Services</b> | Do you require outside project management services?                          | Yes                                                                                                                                                                                                                                    |
|                                                                   | Number of Hours                                                              | 1000                                                                                                                                                                                                                                   |
|                                                                   | Explanation                                                                  | It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399s. Station does not have available personnel or personnel trained in project management for such complex projects. |
| <b>Outside RF consulting<br/>Engineering Services</b>             | Perform engineering study for new channel assignment and antenna development | Yes                                                                                                                                                                                                                                    |
|                                                                   | Prepare engineering section of Form FCC Construction Permit Application      | Yes                                                                                                                                                                                                                                    |
|                                                                   | For Auxiliary Facility                                                       | Yes                                                                                                                                                                                                                                    |
|                                                                   | For Main Facility                                                            | Yes                                                                                                                                                                                                                                    |
|                                                                   | Prepare engineering section of Form FCC License to Cover Application         | Yes                                                                                                                                                                                                                                    |
|                                                                   | For Auxiliary Facility                                                       | Yes                                                                                                                                                                                                                                    |
|                                                                   | For Main Facility                                                            | Yes                                                                                                                                                                                                                                    |
|                                                                   | Prepare request for Special Temporary Authority                              | Yes                                                                                                                                                                                                                                    |

|                                                       |                                                                                            |     |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|-----|
|                                                       | Quantity                                                                                   | 2   |
|                                                       | Do you have Distributed Transmission System engineering services?                          | N/A |
|                                                       | Critical Facility                                                                          | N/A |
|                                                       | Terrain-Shielded Facility                                                                  | N/A |
| <b>Attorney and Other Outside Consulting Services</b> | Prepare and file Form FCC Construction Permit Application                                  | Yes |
|                                                       | For Auxiliary Facility                                                                     | Yes |
|                                                       | For Main Facility                                                                          | Yes |
|                                                       | Prepare and file Form FCC License to Cover Application                                     | Yes |
|                                                       | For Auxiliary Facility                                                                     | Yes |
|                                                       | For Main Facility                                                                          | Yes |
|                                                       | Prepare request for Special Temporary Authority                                            | Yes |
|                                                       | Quantity                                                                                   | 2   |
|                                                       | 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 |
| <b>RF Field Engineering Services</b>                  | Comprehensive coverage verification via field study                                        | Yes |
|                                                       | RF exposure measurements                                                                   | Yes |
|                                                       | Additional Field Engineering Service                                                       | Yes |

|                |                                                                                                                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Days | 20                                                                                                                                                                                                                                                             |
| Justification  | \$2,500 per site visit including expenses x 20 days. It is necessary to survey the site, plan the equipment, develop specifications for purchasing, & oversee multiple vendor RF projects. Station does not have available personnel trained in such services. |

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

| Name                   | Description                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------|
| Pre filing site review | outside engineering firm to review facilities before filling                                   |
| Installation Services  | This cost originally listed under installation services. Relocated per FCC staff instructions. |

## Other Expenses

| Section                             | Question                                                                                                             | Response |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>AM Pattern Disturbance</b>       | Is an Impact Study needed?                                                                                           | Yes      |
|                                     | Is Remediation needed?                                                                                               | Yes      |
| <b>Facility Expenses</b>            | Name                                                                                                                 | N/A      |
|                                     | Other Distributed Transmission System Expenses Not listed                                                            | N/A      |
|                                     | Name                                                                                                                 | N/A      |
|                                     | Is Notification of a Medical Facility required as a result of DTV broadcasting?                                      | Yes      |
| <b>Permit and Filing Costs</b>      | Local Zoning                                                                                                         | Yes      |
|                                     | Non-zoning permits                                                                                                   | Yes      |
|                                     | BLM or NFS Coordination                                                                                              | No       |
|                                     | FCC Construction Permit Minor Change                                                                                 | No       |
|                                     | FCC License to Cover Application                                                                                     | Yes      |
|                                     | FCC Special Temporary Authority Application                                                                          | Yes      |
| <b>Other Miscellaneous Expenses</b> | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?        | Yes      |
|                                     | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes      |
|                                     | Does this relocation require Equipment Storage?                                                                      | Yes      |
|                                     | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?     | Yes      |
|                                     | Does this relocation require MVPD Notification of a Channel Change?                                                  | Yes      |

**Other  
Expenses**

**Other Expenses Not Listed**

| Name           | Description               |
|----------------|---------------------------|
| Internal labor | Local and Corporate Labor |

## Cost Information

### Transmitters

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

| Description                                                                                                                                                  | Predetermined Cost Estimate | Estimated Cost        | Estimated Cost Justification                                                                                                       | Actual Cost         | Actual Cost Justification |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
| <b>Primary Transmitter ULXTE 90</b>                                                                                                                          | <b>\$2,870,377.21</b>       | <b>\$2,468,685.20</b> |                                                                                                                                    | <b>\$554,893.78</b> |                           |
| RF Accessories                                                                                                                                               | <i>\$52,893.86</i>          | \$52,893.86           | Please see Gates Air ULXTE-90 quote                                                                                                | \$16,576.65         | N/A                       |
| 3" Rigid Conduit and Wiring (Cost per foot)                                                                                                                  | \$5,200.00                  | \$4,900.00            | N/A                                                                                                                                | N/A                 | N/A                       |
| UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW                                                                                                       | \$1,788,000.00              | \$1,408,541.50        | Replacement per Gates Air quote. Includes TAX                                                                                      | \$469,473.96        | N/A                       |
| Transformer 3 phase /480v - 300 KVA                                                                                                                          | \$36,800.00                 | \$14,866.49           | N/A                                                                                                                                | \$3,824.80          | N/A                       |
| Other Electrical Service: Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc. | <i>\$25,000.00</i>          | \$25,000.00           | Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc. | N/A                 | N/A                       |

|                                           |                     |                |                                                                                                                       |              |     |
|-------------------------------------------|---------------------|----------------|-----------------------------------------------------------------------------------------------------------------------|--------------|-----|
| Mask Filter                               | <b>\$70,609.60</b>  | \$70,609.60    | Per instructions of FCC staff, station is breaking out cost of Mask Filter.                                           | \$23,536.53  | N/A |
| Installation and Proof                    | <b>\$82,198.75</b>  | \$82,198.75    | See Gates Air ULXTE-90 quote                                                                                          | \$27,230.17  | N/A |
| Other -- Building Addition<br>Size: 900.0 | <b>\$809,675.00</b> | \$809,675.00   | 900 square foot expansion for new transmitter, including professional fees. See attached WKYC Building justification. | \$14,251.67  | N/A |
| <b>Sub-total</b>                          | \$2,870,377.21      | \$2,468,685.20 | N/A                                                                                                                   | \$554,893.78 | N/A |
| <b>Total for all systems</b>              | \$5,322,656.76      | \$4,729,900.45 | N/A                                                                                                                   | \$562,513.78 | N/A |

## Components

| Actual Information                             |                                                                                                                                         |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Description                                    | File Name                                                                                                                               |
| RF Accessories                                 | <p><b>Component Description:</b> Inv JW30004450-1 WKYC TX RF accessories 1 3rd dp UL20180713jg v1</p> <p><b>Amount:</b> \$16,576.65</p> |
| 3" Rigid Conduit and Wiring<br>(Cost per foot) | Information not provided.                                                                                                               |

|                                                                                                                                                                 |                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW                                                                                                          | <b>Component Description:</b><br>Inv JW30004450-1<br>WKYC Transmitter<br>1 3rd dp<br>UL20180713jg v1<br><b>Amount:</b><br>\$469,473.96   |
| Transformer 3 phase/480v - 300 KVA                                                                                                                              | <b>Component Description:</b><br>Inv JW30004450-1<br>WKYC TX<br>Electrical 1 3rd dp<br>UL20180713jg v1<br><b>Amount:</b><br>\$3,824.80   |
| Other Electrical Service:<br>Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc. | Information not provided.                                                                                                                |
| Mask Filter                                                                                                                                                     | <b>Component Description:</b><br>Inv JW30004450-1<br>WKYC TX Mask<br>Filter 1 3rd dp<br>UL20180713jg v1<br><b>Amount:</b><br>\$23,536.53 |
| Installation and Proof                                                                                                                                          | <b>Component Description:</b><br>Inv JW30004450-1<br>WKYC TX Install 1<br>3rd dp<br>UL20180713jg v1<br><b>Amount:</b><br>\$27,230.17     |

Other -- Building Addition  
Size: 900.0

**Component Description:** WKYC Osborn inv  
#29267 Civil Eng  
UL20180801jg v2  
**Amount:** \$3,909.60

**Component Description:** WKYC Osborn inv  
#29512 Civil Eng  
UL20180815jg v1  
**Amount:** \$7,457.20

**Component Description:** Inv 265370 WKYC  
Design Devel  
UL20180705jg v1  
**Amount:** \$2,884.87

Cost  
Information

Antennas

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

| Description                                                                                                    | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification                                                                                                                                                                                            | Actual Cost | Actual Cost<br>Justification |
|----------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------|
| Primary<br>Antenna<br>TFU-20EBT-<br>R 4C150                                                                    | \$297,830.00                   | \$313,570.00      |                                                                                                                                                                                                                               | \$0.00      |                              |
| Sweep test<br>of existing<br>antenna                                                                           | \$6,730.00                     | \$6,400.00        | N/A                                                                                                                                                                                                                           | N/A         | N/A                          |
| Elbow<br>complex,<br>single<br>channel, at<br>antenna<br>input, per 6<br>1/8.<br>feedline (if<br>needed)       | \$12,300.00                    | \$11,700.00       | N/A                                                                                                                                                                                                                           | N/A         | N/A                          |
| UHF - High<br>Power Top<br>Mount (200-<br>1000 kW),<br>One<br>station<br>antenna,<br>horizontally<br>polarized | \$247,000.00                   | \$263,670.00      | Per Dielectric<br>quote. Cost<br>is higher than<br>catalog<br>pricing<br>because<br>antenna is a<br>top-mount,<br>bottom-stack<br>which<br>requires<br>additional<br>strengthening<br>to support<br>the top-stack<br>antenna. | N/A         | N/A                          |
| Shipping                                                                                                       | \$6,800.00                     | \$6,800.00        | N/A                                                                                                                                                                                                                           | N/A         | N/A                          |

|                                                                                                               |                     |                     |                                                                               |               |     |
|---------------------------------------------------------------------------------------------------------------|---------------------|---------------------|-------------------------------------------------------------------------------|---------------|-----|
| New Top Plate                                                                                                 | \$25,000.00         | \$25,000.00         | Existing top-plate and/or bolt pattern may not work for new top-mount antenna | N/A           | N/A |
| <b>Auxiliary Antenna TFU-24WB-R C160</b>                                                                      | <b>\$214,720.00</b> | <b>\$212,280.00</b> |                                                                               | <b>\$0.00</b> |     |
| UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 930 kW input, directional,, horizontally polarized | \$160,480.00        | \$160,480.00        | N/A                                                                           | N/A           | N/A |
| Sweep test of existing antenna                                                                                | \$6,730.00          | \$6,400.00          | N/A                                                                           | N/A           | N/A |
| Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)                                   | \$13,700.00         | \$13,000.00         | 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 |

|                                                                                                        |                   |                |     |              |     |
|--------------------------------------------------------------------------------------------------------|-------------------|----------------|-----|--------------|-----|
| 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 |
| Shipping                                                                                               | <b>\$5,400.00</b> | \$5,400.00     | N/A | N/A          | N/A |
| <b>Sub-total</b>                                                                                       | \$512,550.00      | \$525,850.00   | N/A | \$0.00       | N/A |
| <b>Total for all systems</b>                                                                           | \$5,322,656.76    | \$4,729,900.45 | N/A | \$562,513.78 | 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                | \$242,740.00                | \$132,799.70   |                              | \$0.00       |                           |
| Rigid Transmission Line - copper, 6 1/8" | \$236,340.00                | \$126,399.70   | N/A                          | N/A          | N/A                       |
| TX Line Sweep                            | \$6,400.00                  | \$6,400.00     | N/A                          | N/A          | N/A                       |
| Auxiliary Transmission Line              | \$183,150.00                | \$150,576.00   |                              | \$0.00       |                           |
| TX Line Sweep                            | \$6,400.00                  | \$6,400.00     | N/A                          | N/A          | N/A                       |
| Rigid Transmission Line - copper, 6 1/8" | \$176,750.00                | \$144,176.00   | N/A                          | N/A          | N/A                       |
| Sub-total                                | \$425,890.00                | \$283,375.70   | N/A                          | \$0.00       | N/A                       |
| Total for all systems                    | \$5,322,656.76              | \$4,729,900.45 | N/A                          | \$562,513.78 | 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 |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------|------------------------------|--------------|---------------------------|
| Primary Tower<br>TOWER                                                                                                     | \$868,300.00                | \$825,000.00   |                              | \$0.00       |                           |
| Complex Tower<br>(includes, for example, those with candelabras and/or stacked antennas)                                   | \$421,000.00                | \$400,000.00   | N/A                          | N/A          | N/A                       |
| Major tower reinforcement /modifications                                                                                   | \$421,000.00                | \$400,000.00   | 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                 | \$25,000.00    | N/A                          | N/A          | N/A                       |
| Sub-total                                                                                                                  | \$868,300.00                | \$825,000.00   | N/A                          | \$0.00       | N/A                       |
| Total for all systems                                                                                                      | \$5,322,656.76              | \$4,729,900.45 | N/A                          | \$562,513.78 | 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                 | \$477,088.55                | \$460,543.55   |                                                                                                                                                                                                                                                                | \$4,350.00  |                           |
| Installation Services                         | \$95,293.55                 | \$95,293.55    | N/A                                                                                                                                                                                                                                                            | N/A         | N/A                       |
| Pre filing site review                        | \$20,000.00                 | \$20,000.00    | N/A                                                                                                                                                                                                                                                            | N/A         | N/A                       |
| Additional Field Engineering Service, 20 Days | \$50,000.00                 | \$50,000.00    | \$2,500 per site visit including expenses x 20 days. It is necessary to survey the site, plan the equipment, develop specifications for purchasing, & oversee multiple vendor RF projects. Station does not have available personnel trained in such services. | N/A         | N/A                       |
| RF Exposure Measurements                      | \$21,050.00                 | \$20,000.00    | 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 |
| Attorney Fees - Prepare and File request for Special Temporary Authorization                                               | \$7,360.00 | \$7,000.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application                                        | \$2,365.00 | \$2,250.00 | N/A | N/A | N/A |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application                         | \$4,210.00 | \$4,000.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application                                     | \$5,260.00 | \$5,000.00 | N/A | N/A | N/A |

|                                                                                                                         |            |            |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------|------------|------------|-----|-----|-----|
| Prepare request for Special Temporary Authorization                                                                     | \$4,100.00 | \$3,000.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application    | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application                                       | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |
| 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 |
| 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   | \$2,500.00   | N/A                                                                                                                                                                                                                                    | N/A        | N/A |
| Project management of the transition                                             | \$158,000.00 | \$150,000.00 | It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399s. Station does not have available personnel or personnel trained in project management for such complex projects. | \$4,350.00 | N/A |
| Comprehensive coverage verification via field study, if needed                   | \$84,200.00  | \$80,000.00  | N/A                                                                                                                                                                                                                                    | N/A        | N/A |

|                              |                |                |     |              |     |
|------------------------------|----------------|----------------|-----|--------------|-----|
| <b>Sub-total</b>             | \$477,088.55   | \$460,543.55   | N/A | \$4,350.00   | N/A |
| <b>Total for all systems</b> | \$5,322,656.76 | \$4,729,900.45 | N/A | \$562,513.78 | N/A |

## Components

| <b>Actual Information Description</b>                                                                                      | <b>File Name</b>          |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Installation Services                                                                                                      | Information not provided. |
| Pre filing site review                                                                                                     | Information not provided. |
| Additional Field Engineering Service, 20 Days                                                                              | Information not provided. |
| RF Exposure Measurements                                                                                                   | 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. |
| Attorney Fees - Prepare and File request for Special Temporary Authorization                                               | Information not provided. |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application                                         | Information not provided. |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application                         | Information not provided. |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application                                     | Information not provided. |

|                                                                                                                         |                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Prepare request for Special Temporary Authorization                                                                     | Information not provided.                                                                                                           |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application    | Information not provided.                                                                                                           |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application                                       | Information not provided.                                                                                                           |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | Information not provided.                                                                                                           |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application                                    | Information not provided.                                                                                                           |
| Perform engineering study for new channel assignment and antenna development                                            | Information not provided.                                                                                                           |
| Address transition timing and coordination issues w/ other stations and wireless                                        | Information not provided.                                                                                                           |
| Prepare and or review reimbursement form                                                                                | Information not provided.                                                                                                           |
| Project management of the transition                                                                                    | <p><b>Component Description:</b> Inv 29214 WKYC<br/>Proj Mgt 180428-180525<br/>UL20180706jg v1</p> <p><b>Amount:</b> \$4,350.00</p> |
| Comprehensive coverage verification via field study, if needed                                                          | Information not provided.                                                                                                           |

## Cost Information

### Other Expenses

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

| Description                                               | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification | Actual Cost       | Actual Cost Justification |
|-----------------------------------------------------------|-----------------------------|---------------------|------------------------------|-------------------|---------------------------|
| <b>Other Expenses</b>                                     | <b>\$168,451.00</b>         | <b>\$166,446.00</b> |                              | <b>\$3,270.00</b> |                           |
| AM Pattern Disturbance -- Impact study                    | \$7,890.00                  | \$7,500.00          | N/A                          | N/A               | N/A                       |
| AM Pattern Disturbance -- Remedy                          | \$21,050.00                 | \$20,000.00         | N/A                          | N/A               | N/A                       |
| DTV Medical Facility Notification                         | \$11,550.00                 | \$11,000.00         | N/A                          | N/A               | N/A                       |
| FCC Filing Fees - Form 2100 license to cover application  | \$335.00                    | \$325.00            | N/A                          | N/A               | N/A                       |
| FCC Filing Fees - Special Temporary Authorization request | \$195.00                    | \$190.00            | N/A                          | N/A               | N/A                       |
| Local Zoning                                              | <i>\$1,200.00</i>           | \$1,200.00          | Local construction permit.   | N/A               | N/A                       |
| Non-zoning permits                                        | <i>\$25,000.00</i>          | \$25,000.00         | N/A                          | N/A               | N/A                       |
| Internal labor                                            | <i>\$24,231.00</i>          | \$24,231.00         | N/A                          | N/A               | N/A                       |

|                                                                          |                    |                |                                                                               |              |     |
|--------------------------------------------------------------------------|--------------------|----------------|-------------------------------------------------------------------------------|--------------|-----|
| MVPD Notification of Channel Change                                      | <b>\$6,000.00</b>  | \$6,000.00     | to notify all MVPD's of upcoming testing and transition plans for the market. | N/A          | N/A |
| Develop and air announcement of upcoming channel change                  | <b>\$6,000.00</b>  | \$6,000.00     | To create informational spot to notify public of the upcoming change.         | \$3,270.00   | N/A |
| Equipment Storage                                                        | <b>\$15,000.00</b> | \$15,000.00    | 2 flat bed trailers for 6 Months to store equipment.                          | N/A          | N/A |
| Equipment Delivery and Handling Charges                                  | <b>\$25,000.00</b> | \$25,000.00    | N/A                                                                           | N/A          | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <b>\$25,000.00</b> | \$25,000.00    | N/A                                                                           | N/A          | N/A |
| <b>Sub-total</b>                                                         | \$168,451.00       | \$166,446.00   | N/A                                                                           | \$3,270.00   | N/A |
| <b>Total for all systems</b>                                             | \$5,322,656.76     | \$4,729,900.45 | N/A                                                                           | \$562,513.78 | N/A |

## Components

| Actual Information                     |                           |
|----------------------------------------|---------------------------|
| Description                            | File Name                 |
| AM Pattern Disturbance -- Impact study | Information not provided. |
| AM Pattern Disturbance -- Remedy       | Information not provided. |

|                                                                          |                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DTV Medical Facility Notification                                        | Information not provided.                                                                                                                                                                                                             |
| FCC Filing Fees - Form 2100 license to cover application                 | Information not provided.                                                                                                                                                                                                             |
| FCC Filing Fees - Special Temporary Authorization request                | Information not provided.                                                                                                                                                                                                             |
| Local Zoning                                                             | Information not provided.                                                                                                                                                                                                             |
| Non-zoning permits                                                       | Information not provided.                                                                                                                                                                                                             |
| Internal labor                                                           | Information not provided.                                                                                                                                                                                                             |
| MVPD Notification of Channel Change                                      | Information not provided.                                                                                                                                                                                                             |
| Develop and air announcement of upcoming channel change                  | <div> <div> <b>Component Description:</b> </div> <div> 2C Media inv<br/> #203806 Creation<br/> of channel change<br/> announcement<br/> UL20181016jgv1 </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$3,270.00 </div> </div> |
| Equipment Storage                                                        | 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.                                                                                                                                                                                                             |

|                  |                       |                             |                |              |
|------------------|-----------------------|-----------------------------|----------------|--------------|
| Cost Information | Grand Total           |                             |                |              |
|                  |                       | Predetermined Cost Estimate | Estimated Cost | Actual Cost  |
|                  | Total for all systems | \$5,322,656.76              | \$4,729,900.45 | \$562,513.78 |

|                      |                                                                                                                                                                                                                    |          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 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"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol> |          |

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

|                                                                                                                                                                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p> |                                                                                   |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>                                                                         | <p><b>Jeffrey C Gehman</b><br/><i>Engineering Associate</i></p> <p>10/16/2018</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"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol> |          |

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

|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> |                                                                                    |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>                                                                                                                                                                                                          | <p><b>Jeffrey C Gehman</b><br/> <i>Engineering Associate</i></p> <p>10/16/2018</p> |

## Attachments