

Federal Communications Commission

#### (REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

| Facil | ity <b>71928</b> | Service: DTV | Call  | WNED-TV | Channel: 31 (UHF) |
|-------|------------------|--------------|-------|---------|-------------------|
| ID:   |                  |              | Sign: |         |                   |
| File  | 00000            | 28145        |       |         |                   |
| Num   | ber:             |              |       |         |                   |
| FRN:  | 0003410461       | Date         | 10/21 |         |                   |
|       |                  | Submitted:   | /2019 |         |                   |

## Applicant Name, Type, and Contact Information

## Information

| WESTERN NY PUBLICJOSEPH C.+1 (716)jpuma@wned.Not-for-BROADCASTING ASSOC.PUMA845-7000orgProfitDoing Business As: WNED-TVPO Box 1263BUFFALO,NY 14240 | Applican | ıt             | Address                                     | Phone | Email | Applicant<br>Type |
|--|----------|----------------|---|-------|-------|-------------------|
| United States  | BROAD    | CASTING ASSOC. | PUMA<br>PO Box 1263<br>BUFFALO,<br>NY 14240 | . ,   |       |                   |

#### Reimbursement Contact Name and Information Reimbursement Contact Information

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

| Preparer               | Preparer Contact Name and Information              |         |       |       |  |  |
|------------------------|--|---------|-------|-------|--|--|
| Contact<br>Information | Applicant  | Address | Phone | Email |  |  |
|                        | The Preparer is same as the reimbursement contact. |         |       |       |  |  |

| Broadcaster | Question | Response |
|-------------|----------|----------|
| Information |          |          |
| and         |          |          |
| Transition  |          |          |
| Plan        |          |          |

| Will the station be sharing equipment with<br>another broadcast television station or<br>stations (e.g., a shared antenna, co-location<br>on a tower, use of the same transmitter<br>room, multiple transmitters feeding a<br>combiner, etc.)? If yes, enter the facility ID's<br>of the other stations and click 'prefill' to<br>download those stations' licensing<br>information. | Yes  |
|--|--|
| Briefly describe transition plan   | Sweep line/antenna to asses performance<br>on new channel, remove existing IOT main<br>& backup transmitters & channel-specific<br>indoor RF systems, replace w/solid-state<br>transmitters and appropriate indoor RF<br>systems, tune & optimize antenna/line on<br>new channel |

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

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| Auxiliary   | Add Transmitter Information                   |  |                          |  |  |  |
|-------------|---|--|--------------------------|--|--|--|
| Transmitter | Section                                       | Question   | Response                 |  |  |  |
|             | Existing Transmitter Description              | Type of change   | Purchase<br>New          |  |  |  |
|             |   | Use  | Auxiliary<br>(Backup)    |  |  |  |
|             |   | Description of Use   | backup                   |  |  |  |
|             |   | 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<br>Manufacturer and Type | Manufacturer   |                          |  |  |  |
|             |   | Model  | DCXP                     |  |  |  |
|             |   | Year   | 2002                     |  |  |  |
|             |   | Туре   | Inductive<br>Output Tube |  |  |  |
|             |   | IOT Power Type   | Single                   |  |  |  |
|             |   | Power Capacity   | 25 kW                    |  |  |  |

Add Transmitter Information

| Auxiliary   | New Transmitter Costs |   |   |  |  |  |
|-------------|-----------------------|---|---|--|--|--|
| Transmitter | Section               | Question                                  | Response  |  |  |  |
|             | New Transmitter       | Use                                       | Auxiliary<br>(Backup)   |  |  |  |
|             |                       | Change Type                               | Purchase<br>New   |  |  |  |
|             |                       | Is this a request for upgraded equipment? | Yes   |  |  |  |
|             |                       | Manufacturer                              |   |  |  |  |
|             |                       | Model                                     | ULXTE-12  |  |  |  |
|             |                       | Transmitter Type                          | Solid State   |  |  |  |
|             |                       | Solid State Cooling                       | Liquid<br>Cooled  |  |  |  |
|             |                       | Solid State Power capacity                | 8.5 kW  |  |  |  |
|             |                       | Justification for New Transmitter         | Retuning<br>high-power<br>IOT<br>transmitter<br>from ch.43<br>to 31<br>requires a<br>new IOT,<br>new circuit<br>assemblies,<br>"additional<br>costs for<br>sustaining<br>engineering"<br>and<br>exceeds the<br>cost of a<br>properly<br>sized solid-<br>state<br>transmitter.<br>Please see<br>retune<br>quote and<br>letter<br>attached. |  |  |  |

| Auxiliary   | Other Transmitter Costs   |  |  |  |  |  |
|-------------|---|--|--|--|--|--|
| Transmitter | Section   | Question   | Response   |  |  |  |
|             | Electrical Service  | Service Entrance (3 phases 800A 208V)  | No   |  |  |  |
|             |   | Switchgear (industrial 800 amp)  | No   |  |  |  |
|             |   | Transformer (480V)   | No   |  |  |  |
|             |   | Power  | N/A  |  |  |  |
|             |   | Rigid Conduit and Wiring   | No   |  |  |  |
|             |   | Size   | N/A  |  |  |  |
|             |   | Length   | N/A  |  |  |  |
|             |   | Other Electrical Service   | Yes  |  |  |  |
|             |   | Description  | 45 kVA<br>480v to<br>208v<br>transformer,<br>includes<br>conduit and<br>primary<br>wiring to<br>auxiliary<br>transmitter |  |  |  |
|             | HVAC Service  | Does the replacement transmitter require HVAC Service?                                       | No   |  |  |  |
|             |   | Туре   | N/A  |  |  |  |
|             |   | Size   | N/A  |  |  |  |
|             |   | Other Size   | N/A  |  |  |  |
|             | Transmitter Building<br>Addition/Modification or<br>Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leashold improvement? | No   |  |  |  |
|             |   | Size   | N/A  |  |  |  |
|             | Channel 14 Costs  | Is an RF Consulting Engineer needed?   | N/A  |  |  |  |
|             |   | Is a channel 14 Mask Filer needed?   | N/A  |  |  |  |
|             |   | Is additional field engineering time needed?   | N/A  |  |  |  |
|             |   | Number of Days   | N/A  |  |  |  |

#### Other Transmitter Cost Not Listed

| Auxiliary   | Other Transmitter Cost Not Listed            |   |  |  |
|-------------|--|---|--|--|
| Transmitter | Name   | Description   |  |  |
|             | Copper tubing and fittings                   | Additional lengths of copper coolant tubing<br>& fittings for extended run to outdoor heat<br>exchanger |  |  |
|             | Conduit and wiring - pump and heat exchanger | Install circuits, conduit and wiring for coolant pump and heat exchanger                                |  |  |

| Primary     | Existing Transmitter Information    |  |                          |  |  |  |
|-------------|-------------------------------------|--|--------------------------|--|--|--|
| Transmitter | Section                             | Question   | Response                 |  |  |  |
|             | Existing Transmitter<br>Description | Type of change   | Purchase<br>New          |  |  |  |
|             |                                     | Use  | Primary<br>(Main)        |  |  |  |
|             |                                     | Description of Use   | N/A                      |  |  |  |
|             |                                     | Ownership  | Owned                    |  |  |  |
|             |                                     | Owner  | N/A                      |  |  |  |
|             |                                     | Site   | N/A                      |  |  |  |
|             |                                     | Is this transmitter currently shared with another station? | No                       |  |  |  |
|             |                                     | Is this transmitter currently in operating condition?      | Yes                      |  |  |  |
|             | Existing Transmitter                | Manufacturer   |                          |  |  |  |
|             | Manufacturer and Type               | Model  | DCXP                     |  |  |  |
|             |                                     | Year   | 2002                     |  |  |  |
|             |                                     | Туре   | Inductive<br>Output Tube |  |  |  |
|             |                                     | IOT Power Type   | Single                   |  |  |  |
|             |                                     | Power Capacity   | 25 kW                    |  |  |  |

### **Existing Transmitter Information**

| Primary     | New Transmitter Costs |   |   |  |
|-------------|-----------------------|---|---|--|
| Transmitter | Section               | Question                                  | Response  |  |
|             | New Transmitter       | Use                                       | Primary<br>(Main)   |  |
|             |                       | Change Type                               | Purchase<br>New   |  |
|             |                       | Is this a request for upgraded equipment? | Yes   |  |
|             |                       | Manufacturer                              |   |  |
|             |                       | Model                                     | ULXTE-12  |  |
|             |                       | Transmitter Type                          | Solid State   |  |
|             |                       | Solid State Cooling                       | Liquid<br>Cooled  |  |
|             |                       | Solid State Power capacity                | 8.5 kW  |  |
|             |                       | Justification for New Transmitter         | Retuning<br>high-power<br>IOT<br>transmitter<br>from ch.43<br>to 31<br>requires a<br>new IOT,<br>new circuit<br>assemblies,<br>"additional<br>costs for<br>sustaining<br>engineering"<br>and<br>exceeds the<br>cost of a<br>properly<br>sized solid-<br>state<br>transmitter.<br>Please see<br>retune<br>quote and<br>letter<br>attached. |  |

| Primary     | Other Transmitter Costs   |  |   |
|-------------|---|--|---|
| Transmitter | Section   | Question   | Response  |
|             | Electrical Service  | Service Entrance (3 phases 800A 208V)  | No  |
|             |   | Switchgear (industrial 800 amp)  | No  |
|             |   | Transformer (480V)   | No  |
|             |   | Power  | N/A   |
|             |   | Rigid Conduit and Wiring   | No  |
|             |   | Size   | N/A   |
|             |   | Length   | N/A   |
|             |   | Other Electrical Service   | Yes   |
|             |   | Description  | 45 kVA<br>480v to<br>208v<br>transformer,<br>includes<br>conduit and<br>primary<br>wiring to<br>main<br>transmitter |
|             | HVAC Service  | Does the replacement transmitter require HVAC Service?                                       | No  |
|             |   | Туре   | N/A   |
|             |   | Size   | N/A   |
|             |   | Other Size   | N/A   |
|             | Transmitter Building<br>Addition/Modification or<br>Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leashold improvement? | No  |
|             |   | Size   | N/A   |
|             | Channel 14 Costs  | Is an RF Consulting Engineer needed?   | N/A   |
|             |   | Is a channel 14 Mask Filer needed?   | N/A   |
|             |   | Is additional field engineering time needed?   | N/A   |
|             |   | Number of Days   | N/A   |

### Other Transmitter Cost Not Listed

#### Primary Transmitter

| Name   | Description   |
|--|---|
| Control cable                                | Control cable for switch to controller interconnection  |
| Conduit and wiring - pump and heat exchanger | Install circuits, conduit and wiring for coolant pump and heat exchanger                                  |
| Coaxial switch                               | Indoor 4-port 3-1/8" coax antenna line<br>switch to switch between main & aux<br>transmitters             |
| Dummy Load                                   | Indoor air-cooled broadband dummy load  |
| Coaxial switch controller                    | Controller for coaxial switch   |
| Copper tubing and fittings                   | Additional lengths of copper coolant tubing<br>and fittings for extended run to outdoor heat<br>exchanger |

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

### Existing Antenna Information

Primary

| Antenna | Section                                   | Question   | Response           |
|---------|---|--|--------------------|
|         | Existing Antenna<br>Description           | Type of change   | Retune<br>Existing |
|         |   | 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?                             | No                 |
|         |   | Is antenna in operating condition?                               | Yes                |
|         |   | Is antenna located on or in close proximity to an antenna farm?  | Yes                |
|         | Existing Antenna<br>Manufacturer and Type | Class  | Full Power         |
|         |   | Mounting   | Top Mount          |
|         |   | Antenna position in stack  | Not in Stack       |
|         |   | Polarization   | Horizontal         |
|         |   | Туре   | Broadband<br>Panel |
|         |   | Number of Stations Supported                                     | 1                  |
|         |   | Number of Panels   | 16                 |
|         |   | Design power capacity in use                                     | 10.0 %             |
|         |   | Lower Limit  | 470.00 MHz         |

| Upper Limit                     | 806.00 MHz          |
|---------------------------------|---------------------|
| Other Antenna Type              | N/A                 |
| ERP: (Effective Radiated Power) | 175.0 kW            |
| Manufacturer                    | Dielectric          |
| Model                           | TUC-05-16<br>/80H-1 |
| Year                            | 2002                |

# Primary Adjustment to Existing Antenna

| Section                           | Question                                      | Response |
|-----------------------------------|---|----------|
| Sweep Test of Existing<br>Antenna | Do you need a sweep test of existing antenna? | Yes      |

# Primary Other Antenna Costs

Antenna

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

## Primary Other Antenna Cost Not Listed

| Antenna | Name                     | Description   |
|---------|--------------------------|---|
|         | Test transition assembly | Broadband test assembly for initial<br>transmission line & antenna sweep and<br>post channel change sweep & tune, 6-1/8"<br>to Type-N 50 ohm. |

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

## Existing Transmission Line Primary Existing Transmission

| nissior               | Section  | Question   | Response             |
|-----------------------|--|--|----------------------|
|                       | Existing Transmission<br>Line Description              | Type of change   | Utilize<br>Existing  |
|                       |  | Use  | Primary<br>(Main)    |
|                       |  | Description of Use   | N/A                  |
|                       |  | Ownership  | Owned                |
|                       |  | Owner  | N/A                  |
|                       |  | Site   | N/A                  |
| Existing Transmission |  | Is the existing transmission line shared with another station or stations? | No                   |
|                       |  | Is Transmission Line in operating condition?                               | Yes                  |
|                       | Existing Transmission<br>Line Manufacturer and<br>Type | Manufacturer   | Dielectric           |
|                       |  | Туре   | Rigid                |
|                       |  | Diameter   | 8 3/16<br>inches     |
|                       |  | Other Diameter   | N/A                  |
|                       |  | Segment Length   | Broadband            |
|                       |  | Other Segment Length   | N/A                  |
|                       |  | Number of parallel runs  | 1                    |
|                       |  | Length   | 1100 feet<br>per run |

## Other Transmission Line Expenses Not Listed Transmission Line Descript

| Naine                    | Description   |
|--------------------------|---|
| Adapter-transformer      | 6-1/8" 75 Ohm to 3-1/8" 50 Ohm transmission line adapter/transformer                      |
| Reducer assembly         | 8-3/16" to 6-1/8" indoor transmission line reducer assembly                               |
| Connector                | Qty (4) 3-1/8" transmission line connectors   |
| Coupling                 | Qty. (6) 3-1/8" indoor transmission line couplings  |
| Field Flange adapter     | Qty. (4) 3-1/8" field EIA flange to unflanged adapters                                    |
| Indoor transmission line | Qty. (7) 10ft. lengths 3-1/8" unflanged transmission line                                 |
| Kit, RF Line             | Qty (2) 3-1/8" 50 Ohm indoor transmission line and fittings kit. One for each transmitter |
| Pipe Hanger Assembly     | Qty. (15) 3.5 Pipe hanger assemblies with insulators                                      |

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

| Primary | Existing Tower |
|---------|----------------|
|         |                |

| Primary |   |   |                      |  |
|---------|---|---|----------------------|--|
| Tower   | Section   | Question  | Response             |  |
|         | Existing Tower<br>Description                                     | Type of change  | Modify<br>Existing   |  |
|         |   | Tower Use   | Primary<br>(Main)    |  |
|         |   | Description of Use                                      | N/A                  |  |
|         |   | Ownership   | Owned                |  |
|         |   | Is this tower consider Complex?                         | No                   |  |
|         |   | Is this tower currently shared with any other stations? | Yes                  |  |
|         |   | One or more FM, AM or TV radio broadcaster(s)           | Yes                  |  |
|         |   | Others Types of Users                                   | Yes                  |  |
|         |   | Is tower documented for structural analysis?            | Yes                  |  |
|         |   | Is tower compliant with Rev G?                          | Unknown              |  |
|         | Existing Tower Structure<br>Registration                          | Do you have a tower registration number?                | Yes                  |  |
|         |   | ASR Number  | 1033433              |  |
|         | Coordinates ( <u>NAD83</u> (<br>North American Datum of<br>1983)) | Latitude (NAD83)  | 43° 01' 48.2"<br>N-  |  |
|         |   | Longitude (NAD83)                                       | 078° 55'<br>14.1" W- |  |
|         |   | Overall Structure Height                                | 1133.84 feet         |  |
|         |   | Support Structure Height                                | 1067.90 feet         |  |
|         |   | Ground Elevation Above Mean Sea Level<br>(AMSL)         | 577.09 feet          |  |
|         |   |   | 1                    |  |

| Structure Type   | TOWER -<br>Free<br>Standing or<br>Guyed<br>Structure        |
|------------------|---|
| Tower Owner      | Western<br>New York<br>Public<br>Broadcasting<br>Assocation |
| Date Constructed | 01/01/1986  |

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 71905 WNLO DTV

#### **Other Types of Users**

Users

Microwave relay

LPFM

#### **Tower Modification Costs Primarv**

| • | • | •• | • | -  |   |
|---|---|----|---|----|---|
| Т | С | V  | V | er | • |

| Section              | Question   | Response                       |
|----------------------|--|--------------------------------|
| Engineering Study    | Please what type of engineering study is required, if any: | No study<br>needed             |
| Tower Reinforcements | Please select whether tower reinforcements are needed:     | No<br>reinforcements<br>needed |

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

## Primary Tower Mame

| Name    | Description  |
|---------|--|
| Rigging | Crew mobilization, winch, rig & unrig tower<br>to facilitate transmission line and elbow<br>complex retuning (Item #2 on Warmus &<br>Associates quote attached). |

| Outside<br>Professional | Section  | Question   | Response |
|-------------------------|--|--|----------|
|                         | Services Costs<br>Outside Project<br>Management Services | Do you require outside project management services?                          | No       |
|                         |  | Number of Hours  | N/A      |
|                         |  | Explanation  | N/A      |
|                         | Outside RF consulting<br>Engineering Services            | Perform engineering study for new channel assignment and antenna development | Yes      |
|                         |  | Prepare engineering section of Form FCC<br>Construction Permit Application   | Yes      |
|                         |  | For Auxiliary Facility   | No       |
|                         |  | For Main Facility  | Yes      |
|                         |  | Prepare engineering section of Form FCC<br>License to Cover Application      | Yes      |
|                         |  | For Auxiliary Facility   | No       |
|                         |  | For Main Facility  | Yes      |
|                         |  | Prepare request for Special Temporary<br>Authority                           | No       |
|                         |  | Quantity   | N/A      |
|                         |  | Do you have Distributed Transmission<br>System engineering services?         | N/A      |
|                         |  | Critical Facility  | N/A      |
|                         |  | Terrain-Shielded Facility  | N/A      |
|                         | Attorney and Other<br>Outside Consulting<br>Services     | Prepare and file Form FCC Construction<br>Permit Application                 | Yes      |
|                         |  | For Auxiliary Facility   | No       |
|                         |  | For Main Facility  | Yes      |
|                         |  | Prepare and file Form FCC License to<br>Cover Application                    | Yes      |
|                         |  | For Auxiliary Facility   | No       |
|                         |  | For Main Facility  | Yes      |
|                         |  |  |          |

|                                  | Prepare request for Special Temporary<br>Authority   | No  |
|----------------------------------|--|-----|
|                                  | Quantity   | N/A |
|                                  | NEPA Section 106 environmental review  | No  |
|                                  | Environmental Assessment   | No  |
|                                  | ASR Modification   | No  |
|                                  | FAA Consultation (including preparation of FAA Form 7460)                                  | No  |
|                                  | Negotiation of Lease and other Matter for Shared Locations                                 | No  |
|                                  | Prepare or Review FCC Form 399 for Reimbursement   | Yes |
|                                  | Address transition timing and coordination issues w/ other stations and wireless providers | No  |
| RF Field Engineering<br>Services | Comprehensive coverage verification via field study  | No  |
|                                  | RF exposure measurements   | No  |
|                                  | Additional Field Engineering Service   | Yes |
|                                  | Number of Days   | 7   |
|                                  |  | ,   |

| Justification | Disassemble  |
|---------------|--------------|
|               | &            |
|               | deconstruct  |
|               | old high-    |
|               | power,       |
|               | channel-     |
|               | specific RF  |
|               | systems &    |
|               | plumbing.    |
|               | Tune and     |
|               | optimize     |
|               | antenna,     |
|               | elbow        |
|               | complex &    |
|               | line         |
|               | sections.    |
|               | Post-        |
|               | transition   |
|               | sweep test   |
|               | of entire    |
|               | system       |
|               | following    |
|               | retuning.    |
|               | Issue report |
|               | See vendor   |
|               | quote items  |
|               | 3 & 4        |
|               | attached     |

| Outside      | Other Professional Services Expenses Not Listed |   |  |
|--------------|---|---|--|
| Professional | Services Costs                                  | Description                                     |  |
|              | Misc. repack legal services and fees            | Misc. legal costs & fees associated with repack |  |

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

# Other Expenses Not Listed

**Expenses** Information not provided.

#### Transmitters

#### Cost Information

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>Transmitter<br>ULXTE-12  | \$526,418.36                   | \$299,337.21      |  | \$192,002.68 |                              |
| Other<br>Electrical<br>Service: 45<br>kVA 480v to<br>208v<br>transformer,<br>includes<br>conduit and<br>primary<br>wiring to<br>main<br>transmitter | \$7,603.50                     | \$7,603.50        | Cost<br>represents<br>1/2 of MJM<br>Electric<br>Quote #<br>1593<br>attached. | N/A          | N/A                          |
| Conduit and<br>wiring -<br>pump and<br>heat<br>exchanger  | \$2,616.00                     | \$2,616.00        | Cost<br>represents<br>1/2 of MJM<br>Electric<br>Quote #<br>1594<br>attached. | N/A          | N/A                          |
| Copper<br>tubing and<br>fittings  | \$1,113.70                     | \$1,113.70        | Cost<br>represents<br>1/2 of<br>GatesAir<br>Change<br>Order-1<br>attached.   | N/A          | N/A                          |
| Coaxial<br>switch<br>controller   | \$3,408.00                     | \$3,408.00        | Vendor<br>price<br>increase  | \$2,272.00   | N/A                          |
| Dummy Load  | \$12,122.77                    | \$12,122.77       | Vendor<br>price<br>reduction   | \$8,081.84   | N/A                          |

| Coaxial<br>switch  | \$4,800.95   | \$4,800.95   | Vendor<br>price<br>reduction   | \$3,200.64   | N/A |
|--|--------------|--------------|--|--------------|-----|
| UHF - Liquid<br>Cooled Solid<br>State<br>Transmitter<br>8.2 - 13 kW  | \$494,500.00 | \$267,418.85 | N/A  | \$178,279.24 | N/A |
| Control cable  | \$253.44     | \$253.44     | N/A  | \$168.96     | N/A |
| Auxiliary<br>Transmitter<br>ULXTE-12   | \$505,833.20 | \$277,979.65 |  | \$177,764.30 |     |
| Conduit and<br>wiring -<br>pump and<br>heat<br>exchanger   | \$2,616.00   | \$2,616.00   | Cost<br>represents<br>1/2 of MJM<br>Electric<br>Quote #<br>1594<br>attached. | N/A          | N/A |
| Other<br>Electrical<br>Service: 45<br>kVA 480v to<br>208v<br>transformer,<br>includes<br>conduit and<br>primary<br>wiring to<br>auxiliary<br>transmitter | \$7,603.50   | \$7,603.50   | Cost<br>represents<br>1/2 of MJM<br>Electric<br>Quote #<br>1593<br>attached. | N/A          | N/A |
| Copper<br>tubing and<br>fittings   | \$1,113.70   | \$1,113.70   | Cost<br>represents<br>1/2 of<br>GatesAir<br>Change<br>Order-1<br>attached.   | N/A          | N/A |
| UHF - Liquid<br>Cooled Solid<br>State<br>Transmitter<br>8.2 - 13 kW  | \$494,500.00 | \$266,646.45 | N/A  | \$177,764.30 | N/A |

| Sub-total             | \$1,032,251.56 | \$577,316.86 | N/A | \$369,766.98 | N/A |
|-----------------------|----------------|--------------|-----|--------------|-----|
| Total for all systems | \$1,387,361.08 | \$712,696.38 | N/A | \$418,013.96 | N/A |

### Components

| Actual Information<br>Description  | File Name                 |
|--|---------------------------|
| Other Electrical Service: 45<br>kVA 480v to 208v<br>transformer, includes<br>conduit and primary wiring<br>to main transmitter | Information not provided. |
| Conduit and wiring - pump<br>and heat exchanger  | Information not provided. |
| Copper tubing and fittings   | Information not provided. |

| Coaxial switch controller |                        |   |
|---------------------------|------------------------|---|
| Coaxial switch controller | Component Description: | Amount represents<br>2nd 1/3 payment<br>for the Coaxial<br>switch controller,<br>item #18 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-2<br>for the next 1/3<br>payment due prior<br>to shipment for all             |
|                           | Amount:                | items<br>\$1,136.00   |
|                           | Component Description: | Amount represents<br>1/3 down payment<br>for the Coaxial<br>switch controller,<br>item #18 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required<br>on all items. |
|                           | Amount:                | \$1,136.00  |

| Dummy Load |                        |   |
|------------|------------------------|---|
|            | Component Description: | Amount represents<br>2nd 1/3 payment<br>for the Dummy<br>Load, item #21 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-2<br>for the next 1/3<br>payment due prior<br>to shipment for all<br>items                  |
|            | Amount:                | \$4,040.92  |
|            | Component Description: | Amount represents<br>1/3 down payment<br>for the Dummy<br>Load, item #21 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required<br>on all items.<br>\$4,040.92 |

| Coaxial switch |                        |   |
|----------------|------------------------|---|
|                | Component Description: | Amount represents<br>2nd 1/3 payment<br>for the coaxial<br>switch, item #17 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-2<br>for the next 1/3<br>payment due prior<br>to shipment for all<br>items                  |
|                | Amount:                | \$1,600.32  |
|                | Component Description: | Amount represents<br>1/3 down payment<br>for the Coaxial<br>switch, item #17 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required<br>on all items.<br>\$1,600.32 |

| UHF - Liquid Cooled Solid<br>State Transmitter 8.2 - 13<br>kW | Component Description:            | Amt. represents<br>2nd 1/3 pmt. prior<br>to shipment, inv.<br>#JW30004673-2<br>for (1) UHF Solid<br>State transmitter,<br>incl. qty.(1) of<br>items 1-10, qty.(4)<br>of item 11, qty.(1)<br>of item 12-16 and<br>1/2 of item 27 on<br>GatesAir quote Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached)<br>\$89,139.62 |
|---|-----------------------------------|---|
|   | Component Description:<br>Amount: | Amt. represents 1<br>/3 down payment<br>per invoice<br>#JW30004673-1<br>for (1) UHF Solid<br>State transmitter,<br>incl. qty.(1) of<br>items 1-10, qty.(4)<br>of item 11, qty.(1)<br>of item 12-16 and<br>1/2 of item 27 on<br>GatesAir quote Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached)<br>\$89,139.62        |

| Control cable   |                           |   |
|---|---------------------------|---|
|   | Component Description:    | Amount represents<br>2nd 1/3 payment<br>for the Control<br>Cable, item #19 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-2<br>for the next 1/3<br>payment due prior<br>to shipment for all<br>items               |
|   | Amount:                   | \$84.48   |
|   | Component Description:    | Amount represents<br>1/3 down payment<br>for the Control<br>Cable, item #19 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required<br>on all items.<br>\$84.48 |
| Conduit and wiring - pump<br>and heat exchanger   | Information not provided. |   |
| Other Electrical Service: 45<br>kVA 480v to 208v<br>transformer, includes<br>conduit and primary wiring<br>to auxiliary transmitter | Information not provided. |   |
| Copper tubing and fittings  | Information not provided. |   |

| UHF - Liquid Cooled Solid<br>State Transmitter 8.2 - 13<br>kW | Component Description: | Amt. represents<br>2nd 1/3 pmt. prior<br>to shipment, inv.<br>JW30004673-2 for  |
|---|------------------------|---|
|   |                        | Aux. Transmitter,<br>inc. qty.(1) of items<br>1-8, qty.(1) of item<br>10, qty.(4) of item<br>11, qty.(1) of items<br>13-16 and 1/2 of |
|   | Amount:                | item 27 on<br>GatesAir quote Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached)<br>\$88,882.15                                       |
|   | Component Description: | Amt. represents 1   |
|   |                        | /3 down pmt. per<br>invoice<br>#JW30004673-1<br>for the Aux.  |
|   |                        | Transmitter, inc.<br>qty.(1) of items 1-8,<br>qty.(1) of item 10,<br>qty.(4) of item 11,<br>aty (1) of items 12                       |
|   |                        | qty.(1) of items 13-<br>16 and 1/2 of item<br>27 on GatesAir<br>quote #Q-81639  |
|   | Amount:                | (WNED-TV ULXTE-<br>12MA4-24<br>attached)<br>\$88,882.15   |
|   |                        |   |

#### Antennas

#### Cost Information

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>TUC-05-16<br>/80H-1 | \$10,457.92                    | \$10,127.92       |                                    | \$6,071.07   |                              |
| Test<br>transition<br>assembly            | \$3,727.92                     | \$3,727.92        | N/A                                | \$3,727.92   | N/A                          |
| Sweep test<br>of existing<br>antenna      | \$6,730.00                     | \$6,400.00        | N/A                                | \$2,343.15   | N/A                          |
| Sub-total                                 | \$10,457.92                    | \$10,127.92       | N/A                                | \$6,071.07   | N/A                          |
| Total for all systems                     | \$1,387,361.08                 | \$712,696.38      | N/A                                | \$418,013.96 | N/A                          |

#### Components

| Actual Information<br>Description | File Name                         |   |
|-----------------------------------|-----------------------------------|---|
| Test transition assembly          |                                   |   |
|                                   | Component Description:<br>Amount: | Test transition<br>assembly, item<br>#2 on invoice,<br>includes 1/2 of<br>total shipping cost<br>\$3,727.92 |
| Sweep test of existing antenna    | Component Description:            | Sweep test of   |
|                                   |                                   | existing antenna<br>& line  |
|                                   | Amount:                           | \$2,343.15  |

#### **Transmission Line**

#### Cost Information

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>Transmission<br>Line | \$23,476.60                    | \$23,476.60       |  | \$17,520.98 |  |
| Kit, RF Line                    | \$11,886.40                    | \$11,886.40       | N/A  | \$7,924.26  | N/A  |
| Indoor<br>transmission<br>line  | \$3,393.39                     | \$3,393.39        | N/A  | \$2,262.26  | N/A  |
| Adapter-<br>transformer         | \$2,676.24                     | \$2,676.24        | Vendor<br>(Dielectric)<br>price<br>increased<br>from original<br>2017 quote<br>(#45508<br>WNED<br>indoor<br>transmission<br>line, item #1<br>- attached).<br>Actual<br>shipping<br>cost of<br>\$46.44 was<br>less than<br>original<br>estimate of<br>\$269.71. | \$2,676.24  | Orig.<br>estimate<br>from quote<br>#45508 item<br>#1<br>(attached-<br>45508<br>WNED<br>indoor<br>transmission<br>line) was<br>\$2337.60<br>plus<br>\$269.71 est.<br>shipping.<br>Vendor<br>raised the<br>price to<br>\$2629.80,<br>partially<br>offset by<br>lower than<br>est.<br>shipping of<br>\$46.44 for a<br>new<br>subtotal of<br>\$2676.24 |
| Reducer<br>assembly             | \$2,933.52                     | \$2,933.52        | N/A  | \$2,933.52  | N/A  |

| Coupling                | \$1,480.50     | \$1,480.50   | N/A | \$987.00     | N/A |
|-------------------------|----------------|--------------|-----|--------------|-----|
| Connector               | \$243.00       | \$243.00     | N/A | \$162.00     | N/A |
| Pipe Hanger<br>Assembly | \$101.55       | \$101.55     | N/A | \$67.70      | N/A |
| Field Flange<br>adapter | \$762.00       | \$762.00     | N/A | \$508.00     | N/A |
| Sub-total               | \$23,476.60    | \$23,476.60  | N/A | \$17,520.98  | N/A |
| Total for all systems   | \$1,387,361.08 | \$712,696.38 | N/A | \$418,013.96 | N/A |

## Components

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

| Component Description:        | Amount represents   |
|-------------------------------|---|
|                               | 2nd 1/3 payment   |
|                               | for qty. (2) RF Line  |
|                               | kits, item #20 on   |
|                               | GatesAir quote #Q   |
|                               | 81639 (WNED-TV  |
|                               | ULXTE-12MA4-24  |
|                               | attached), part of  |
|                               | GatesAir invoice  |
|                               | #JW30004673-2   |
|                               | for the next 1/3  |
|                               | payment due prior   |
|                               | to shipment for all   |
| •                             | items   |
| Amount:                       | \$3,962.13  |
|                               |   |
| <b>Component Description:</b> | Amount represents   |
|                               | 1/3 down payment  |
|                               | for qty. (2) RF Line  |
|                               | kits, item #20 on   |
|                               | GatesAir quote #Q   |
|                               | 81639 (WNED-TV  |
|                               | ULXTE-12MA4-24  |
|                               | attached), part of  |
|                               | <i>//</i> 1   |
|                               | GatesAir invoice  |
|                               | , ,   |
|                               | GatesAir invoice<br>#JW30004673-1<br>which is for the                                       |
|                               | GatesAir invoice<br>#JW30004673-1   |
|                               | GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required |
|                               | GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down                     |

Kit, RF Line

| Indoor transmission line |                        |  |
|--------------------------|------------------------|--|
|                          | Component Description: | Amount represents<br>2nd 1/3 payment<br>for qty. (7) Indoor<br>Transmission Line<br>10 ft., item #22 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-2<br>for the next 1/3<br>payment due prior<br>to shipment for all<br>items<br>\$1,131.13    |
|                          | Component Description: | Amount represents<br>1/3 down payment<br>for qty. (7) Indoor<br>Transmission Line<br>10 ft., item #22 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required<br>on all items.<br>\$1,131.13 |

| Adapter-transformer |                        |   |
|---------------------|------------------------|---|
|                     | Component Description: | Shipping &<br>handling, Dielectric<br>Adapter-<br>Transformer.                                      |
|                     | Amount:                | \$46.44   |
|                     | Component Description: | Qty.(1) Adapter-<br>Transformer as per<br>Dielectric quote<br>#1698741 dated 4<br>/12/2019 attached |
|                     | Amount:                | \$2,629.80  |
| Reducer assembly    |                        |   |
|                     | Component Description: | Reducer assembly,<br>item #1 on invoice,<br>includes 1/2 of total<br>shipping cost                  |
|                     | Amount:                | \$2,933.52  |

| Component Description: | Amount represents   |
|------------------------|---|
| -                      | 2nd 1/3 payment   |
|                        | for qty. (6) 3-1/8"   |
|                        | couplings, item #2  |
|                        | on GatesAir quote   |
|                        | #Q-81639 (WNED  |
|                        | TV ULXTE-12MA4  |
|                        | 24 attached), part  |
|                        | of GatesAir invoice   |
|                        | #JW30004673-2   |
|                        | for the next 1/3  |
|                        | payment due prior   |
|                        | to shipment for all   |
|                        | items   |
| Amount:                | \$493.50  |
| Component Description: | Amount represent<br>1/3 down payment  |
|                        | for qty. (6) 3-1/8"   |
|                        | 1: : : : :  |
|                        | couplings, item #2  |
|                        |   |
|                        | on GatesAir quote   |
|                        | couplings, item #2<br>on GatesAir quote<br>#Q-81639 (WNED<br>TV ULXTE-12MA4   |
|                        | on GatesAir quote<br>#Q-81639 (WNED   |
|                        | on GatesAir quote<br>#Q-81639 (WNED<br>TV ULXTE-12MA4   |
|                        | on GatesAir quote<br>#Q-81639 (WNED<br>TV ULXTE-12MA4<br>24 attached), part   |
|                        | on GatesAir quote<br>#Q-81639 (WNED<br>TV ULXTE-12MA4<br>24 attached), part<br>of GatesAir invoice<br>#JW30004673-1<br>which is for the                                       |
|                        | on GatesAir quote<br>#Q-81639 (WNED<br>TV ULXTE-12MA4<br>24 attached), part<br>of GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down                     |
|                        | on GatesAir quote<br>#Q-81639 (WNED<br>TV ULXTE-12MA4<br>24 attached), part<br>of GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required |
| Amount:                | on GatesAir quote<br>#Q-81639 (WNED<br>TV ULXTE-12MA4<br>24 attached), part<br>of GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down                     |

Coupling

| Component Description: | Amount represents<br>2nd 1/3 payment<br>for qty. (4) 3-1/8"<br>connectors, item<br>#25 on GatesAir<br>quote #Q-81639<br>(WNED-TV ULXTE-<br>12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-2<br>for the next 1/3<br>payment due prior<br>to shipment for all<br>items<br>\$81.00 |
|------------------------|--|
|                        | ••••••   |
| Component Description: | Amount represents<br>1/3 down payment<br>for qty. (4) 3-1/8"<br>connectors, item<br>#25 on GatesAir<br>quote #Q-81639<br>(WNED-TV ULXTE-<br>12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required<br>on all items.         |
| Amount:                | \$81.00  |
|                        |  |

Connector

| Pipe Hanger Assembly |                        |  |
|----------------------|------------------------|--|
|                      | Component Description: | Amount represents<br>2nd 1/3 payment<br>for qty. (15) Pipe<br>Hanger<br>Assemblies, item<br>#26 on GatesAir<br>quote #Q-81639<br>(WNED-TV ULXTE-<br>12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-2<br>for the next 1/3<br>payment due prior<br>to shipment for all<br>items<br>\$33.85    |
|                      | Component Description: | Amount represents<br>1/3 down payment<br>for qty. (15) Pipe<br>Hanger<br>Assemblies, item<br>#26 on GatesAir<br>quote #Q-81639<br>(WNED-TV ULXTE-<br>12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required<br>on all items.<br>\$33.85 |
|                      |                        |  |

| Field Flange adapter |                        |   |
|----------------------|------------------------|---|
|                      | Component Description: | Amount represents<br>2nd 1/3 payment<br>for qty.(4) Field<br>Flange adapters,<br>item #24 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-2<br>for the next 1/3<br>payment due prior<br>to shipment for all<br>items                |
|                      | Amount:                | \$254.00  |
|                      | Component Description: | Amount represents<br>1/3 down payment<br>for qty.(4) Field<br>Flange adapters,<br>item #24 on<br>GatesAir quote #Q-<br>81639 (WNED-TV<br>ULXTE-12MA4-24<br>attached), part of<br>GatesAir invoice<br>#JW30004673-1<br>which is for the<br>total 1/3 down<br>payment required<br>on all items.<br>\$254.00 |
|                      |                        | <u></u>   |

### **Tower Equipment and Rigging Costs**

#### Cost Information

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>Tower<br>TOWER            | \$231,600.00                   | \$21,100.00       |                                    | \$0.00       |                              |
| Rigging                              | \$21,100.00                    | \$21,100.00       | N/A                                | N/A          | N/A                          |
| Tall Tower<br>(greater<br>than 500') | \$210,500.00                   | \$0.00            | N/A                                | N/A          | N/A                          |
| Sub-total                            | \$231,600.00                   | \$21,100.00       | N/A                                | \$0.00       | N/A                          |
| Total for all systems                | \$1,387,361.08                 | \$712,696.38      | N/A                                | \$418,013.96 | N/A                          |

#### Components

Information not provided.

# **Outside Professional Services**

# Cost Information

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 |
|---|--------------------------------|-------------------|---|-------------|------------------------------|
| Outside<br>Professional<br>Services   | \$61,775.00                    | \$60,675.00       |   | \$24,654.93 |                              |
| Misc. repack<br>legal services<br>and fees  | \$2,500.00                     | \$2,500.00        | N/A   | N/A         | N/A                          |
| Additional<br>Field<br>Engineering<br>Service, 7<br>Days  | \$36,925.00                    | \$36,925.00       | 5 days, \$5275<br>/day f/5-man<br>crew for<br>disassembly &<br>deconstruction<br>of old high-<br>power<br>channel-<br>specific RF<br>systems &<br>plumbing. 2<br>days, \$5275<br>/day f/5-man<br>crew to tune &<br>optimize<br>antenna/line &<br>conduct post-<br>transition<br>sweep. See<br>vendor quote<br>items 3 & 4<br>attached | \$20,321.93 | N/A                          |
| Attorney Fees -<br>Prepare and<br>File FCC Form<br>2100 (main),<br>License to<br>Cover<br>Application | \$2,365.00                     | \$2,250.00        | N/A   | N/A         | N/A                          |

| Attorney Fees<br>- Prepare and<br>File FCC Form<br>2100 (main),<br>Construction<br>Permit<br>Application  | \$5,260.00     | \$5,000.00   | N/A | \$735.00     | N/A   |
|---|----------------|--------------|-----|--------------|---|
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main),<br>License to<br>Cover<br>Application    | \$1,580.00     | \$1,500.00   | N/A | N/A          | N/A   |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main),<br>Construction<br>Permit<br>Application | \$3,155.00     | \$3,000.00   | N/A | \$3,175.00   | Included<br>engineering<br>study and<br>calculation<br>of<br>transmission<br>system<br>losses on<br>post repack<br>channel in<br>order to<br>insure<br>accuracy |
| Prepare and<br>or review<br>reimbursement<br>form   | \$2,630.00     | \$2,500.00   | N/A | \$423.00     | N/A   |
| Perform<br>engineering<br>study for new<br>channel<br>assignment<br>and antenna<br>development            | \$7,360.00     | \$7,000.00   | N/A | N/A          | N/A   |
| Sub-total   | \$61,775.00    | \$60,675.00  | N/A | \$24,654.93  | N/A   |
| Total for all systems   | \$1,387,361.08 | \$712,696.38 | N/A | \$418,013.96 | N/A   |

Components

| Actual Information<br>Description   | File Name                 |   |
|---|---------------------------|---|
| Misc. repack legal services and fees  | Information not provided. |   |
| Additional Field Engineering<br>Service, 7 Days   | Component Description:    | Additional field<br>engineering<br>services, Warmus<br>& Associates<br>original quote<br>#TS17-039 Item<br>#3 (partial).<br>\$20,321.93 |
| Attorney Fees -Prepare and<br>File FCC Form 2100 (main),<br>License to Cover Application        | Information not provided. |   |
| Attorney Fees - Prepare and<br>File FCC Form 2100 (main),<br>Construction Permit<br>Application | Component Description:    | Review,<br>preparation and<br>filing of<br>Construction<br>Permit application<br>Reflects items 1-3<br>on invoice.<br>\$735.00          |
| Prepare engineering section<br>of FCC Form 2100 (main),<br>License to Cover Application         | Information not provided. |   |
| Prepare engineering section<br>of FCC Form 2100 (main),<br>Construction Permit<br>Application   | Component Description:    | Engineering study<br>/evaluation and<br>preparation of<br>Construction<br>Permit Applicatior<br>- engineering<br>section                |
|   | Amount:                   | \$3,175.00  |

| reimbursement form   | Component Description:    | Review and file<br>FCC form 399.<br>Reflects items 4 & |
|--|---------------------------|--|
|  | Amount:                   | 5 on invoice<br>\$423.00                               |
| Perform engineering study<br>for new channel assignment<br>and antenna development | Information not provided. |  |

# **Other Expenses**

### Cost Information

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 |
|---|--------------------------------|-------------------|--|--------------|------------------------------|
| Other<br>Expenses   | \$27,800.00                    | \$20,000.00       |  | \$0.00       |                              |
| Equipment<br>Delivery and<br>Handling<br>Charges  | \$7,500.00                     | \$7,500.00        | N/A  | N/A          | N/A                          |
| Develop and<br>air<br>announcement<br>of upcoming<br>channel<br>change                  | \$2,500.00                     | \$2,500.00        | N/A  | N/A          | N/A                          |
| Disposal<br>Costs (for<br>equipment and<br>other waste,<br>net of any<br>salvage value) | \$5,000.00                     | \$5,000.00        | N/A  | N/A          | N/A                          |
| DTV Medical<br>Facility<br>Notification   | \$11,550.00                    | \$3,750.00        | Please see<br>RF<br>Notifications<br>Quote # LS-<br>20190801-<br>A attached. | N/A          | N/A                          |
| MVPD<br>Notification of<br>Channel<br>Change  | \$1,250.00                     | \$1,250.00        | Please see<br>RF<br>Notifications<br>Quote # LS-<br>20190901-<br>A attached  | N/A          | N/A                          |
| Sub-total   | \$27,800.00                    | \$20,000.00       | N/A  | \$0.00       | N/A                          |
| Total for all systems   | \$1,387,361.08                 | \$712,696.38      | N/A  | \$418,013.96 | N/A                          |

# Components

Information not provided.

| Cost        | Grand Total           |                                |                |              |  |  |
|-------------|-----------------------|--------------------------------|----------------|--------------|--|--|
| Information |                       | Predetermined<br>Cost Estimate | Estimated Cost | Actual Cost  |  |  |
|             | Total for all systems | \$1,387,361.08                 | \$712,696.38   | \$418,013.96 |  |  |

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

| Certification | Section  | Question  | Response |
|---------------|--|---|----------|
|               | Submission of Estimated<br>Expenses Statements | WILLFUL FALSE STATEMENTS ON THIS<br>FORM ARE PUNISHABLE BY FINE AND<br>/OR IMPRISONMENT (U.S. CODE, TITLE<br>18, SECTION 1001), AND/OR<br>REVOCATION OF ANY STATION<br>LICENSE OR CONSTRUCTION PERMIT<br>(U.S. CODE, TITLE 47, SECTION 312(a)<br>(1), AND/OR FORFEITURE (U.S. CODE,<br>TITLE 47, SECTION 503), AND ANY<br>FALSE STATEMENTS COULD SUBJECT<br>THIS ENTITY TO LIABILITY UNDER THE<br>FALSE CLAIMS ACT. |          |
|               |  | <ol> <li>The Authorized<br/>Person signing<br/>below certifies that he<br/>/she is authorized to<br/>submit this TV<br/>Broadcaster<br/>Relocation Fund<br/>Reimbursement<br/>Form on behalf of<br/>the above-named<br/>entity.</li> </ol>  |          |
|               |  | 2. The above-named<br>entity acknowledges<br>that all certifications<br>and attached<br>documentation are<br>considered material<br>representations.  |          |
|               |  | <b>3.</b> The above-named<br>entity acknowledges<br>the submission of the<br>information herein<br>creates no obligation<br>on the part of the<br>government to pay<br>any amount.  |          |
|               |  |   |          |

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

| 8.            | The above-named<br>entity certifies that it<br>is in full compliance<br>with all statutes,<br>rules, regulations<br>and governmental<br>requirements for<br>which compliance is<br>a pre-requisite for<br>obtaining the<br>payments herein<br>requested. |   |
|---------------|--|---|
| an au<br>name | are, under penalty of perjury, that I am<br>thorized representative of the above-<br>d applicant for the Authorization(s)<br>ied above.  | Joseph<br>Puma<br>Vice<br>President<br>Engineering<br>and<br>Technology<br>10/21/2019 |

#### Attachments