



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **8688** | Service: **DTV** | Call **WRAL-TV** | Channel: **17 (UHF)**
ID: | Sign:
File **0000027637**
Number:
FRN: **0001961713** | Date **04/05**
Submitted: **/2021**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|---|-------------------|-------------------------|----------------|
| Capitol Broadcasting Company, Inc. | Chrissy Cicuto 2619 Western Blvd Raleigh, NC 27606 United States | +1 (919) 821-8730 | ccicuto@cbc-raleigh.com | Corporation |

Reimbursement Contact Name and Information

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

Preparer Contact Information

Preparer Contact Name and Information

| Applicant | Address | Phone | Email |
|--|---|-------------------|------------------|
| Peter Sockett <i>Director of Engineering and Operations</i> <i>Capitol Broadcasting Company</i> | Pete Sockett 2619 Western Blvd Raleigh, NC 27606 United States | +1 (919) 821-8573 | psocket@wral.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 | All 4 broadcasters will need to replace antennas on the candelabra. The transition plan for WRAL / WRAZ is to replace the existing Aux antenna with a single ch15 / 17 slot antenna at approx 1720ft (524m) to use as both the new AUX and interim facility. |

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 | CD2400P4 |
| | Year | 1999 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Other |
| | Other IOT Power Type | 4 tube system |
| | Power Capacity | 100 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 | ULXTED-120 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 76.0 kW |
| | Justification for New Transmitter | 1) Manufacturer (Gates Air) will not support channel changes to this model of transmitter. 2) Comark estimate for IOT transmitter is higher than a solid State transmitter from GatesAir |

**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 | 4 inches |
| | Length | 400.0 feet |
| | Other Electrical Service | No |
| | Description | N/A |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Cooling Only |
| | Size | 15 tons |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | Yes |
| | Size | 1600.0 square feet |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Primary Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|---|---|
| System installation | Manufacturer to come to site to install and commission. |
| Spare Modules and Power supplies | Currently we keep 1 spare IOT tube on hand in the event of a failure. This purchases spare parts for Solid State TX |
| RF System | Magic T / Mask filter / Dummy load and RF Line for Installation |

Antennas

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

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

| Section | Question | Response |
|---|--|-----------------------|
| Existing Antenna Description | Type of change | Purchase New |
| | Antenna Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary (Backup) |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | Yes |
| | Is the existing antenna directional? | Yes |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | Yes |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Broadband Panel |
| | Number of Stations Supported | 2 |
| | Number of Panels | 36 |
| | Design power capacity in use | 100.0 % |
| | Lower Limit | 674.00 MHz |
| | Upper Limit | 710.00 MHz |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 1000.0 kW |

| | |
|--------------|-------------------|
| Manufacturer | |
| Model | ETU-P3H12-(48-53) |
| Year | 2008 |

Facility ID's and Call Signs of all stations with whom the antenna is shared.

| Facility ID | Call Sign |
|-------------|-----------|
| 64611 | WRAZ |

Auxiliary Antenna

New Antenna Costs

| Section | Question | Response |
|------------------------------------|--|---|
| New Antenna Description | Use | Auxiliary (Backup) |
| | Description of Use | Interim Facility and Auxiliary (Backup) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | Yes |
| | Is antenna directional? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | Yes |
| New Antenna Manufacturer and Types | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Elliptical |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels/Bays | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Design power capacity in use | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 805.0 kW |

| | |
|-------------------------------|---|
| Manufacturer | |
| Model | ATW25H3-ESO-15/17H |
| Year | 2018 |
| Justification for New Antenna | This antenna will serve as both an Interim facility while the candelabra is rebuilt and will replace the existing AUX antenna already in service for both WRAL and WRAZ |

Auxiliary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|---------------------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | Yes |
| | Type | New |
| | Number of channels supported | 2 |
| | Frequencies of channels supported | Upper and lower frequency |
| | Frequency | 476.0 MHz - 494.0 MHz |
| | Do you need a combiner output splitter /switcher for dual feed lines? | No |
| Elbow Complex | Do you require the separate purchase of the Elbow Complex? | Yes |

| | | |
|---------------------------------|---|----------------------------|
| | Broadband or Single Channel? | Broadband |
| | Feed Line Size | 8 3/16 inches inches |
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for a high power antenna? | Yes |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | Yes |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

Auxiliary Antenna

Other Antenna Cost Not Listed

Information not provided.

**Primary
Antenna**

Existing Antenna Information

| Section | Question | Response |
|---|--|--------------------|
| Existing Antenna Description | Type of change | Purchase New |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | No |
| | Is the existing antenna directional? | No |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | Yes |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Top |
| | Polarization | Elliptical |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels | N/A |
| | Design power capacity in use | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 1000.0 kW |
| | | |

| | |
|--------------|---------------------|
| Manufacturer | |
| Model | ATW25H5- ETO-48H |
| 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? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | Yes |
| New Antenna Manufacturer and Types | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Top |
| | Polarization | Elliptical |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels/Bays | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Design power capacity in use | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 533.0 kW |
| | Manufacturer | |
| | | |

| | |
|-------------------------------|---|
| Model | ATW25H4-ETO-17H |
| Year | 2018 |
| Justification for New Antenna | Required as old antenna is cut for channel 48 |

Primary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|----------------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | |
| | Type | |
| | Number of channels supported | N/A |
| | Frequencies of channels supported | N/A |
| | Frequency | N/A |
| | Do you need a combiner output splitter /switcher for dual feed lines? | N/A |
| Elbow Complex | Do you require the separate purchase of the Elbow Complex? | Yes |
| | Broadband or Single Channel? | Single Channel |
| | Feed Line Size | 7 3/16 inches inches |
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for a high power antenna? | |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

| Primary Antenna | Other Antenna Cost Not Listed Information not provided. |
|--------------------|--|
|--------------------|--|

Transmission Line

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

**Auxiliary
Transmission Line**

Existing Transmission Line

| Section | Question | Response |
|---|--|--------------------|
| Existing Transmission Line Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary (Backup) |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing transmission line shared with another station or stations? | Yes |
| | Is Transmission Line in operating condition? | Yes |
| Existing Transmission Line Manufacturer and Type | Manufacturer | |
| | Type | Rigid |
| | Diameter | 7 3/16 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1738 feet per run |

Facility ID's and Call Signs of all stations with whom the transmission line is shared.

| Facility ID | Call Sign |
|-------------|-----------|
| 64611 | WRAZ |

Auxiliary **New Transmission Line**
Transmission Line **Section**

| Section | Question | Response |
|------------------------------------|---|---|
| New Transmission Line Costs | Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary (Backup) and Interim Facility |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Type | Rigid |
| | Diameter | 8 3/16 inches |
| | Other Diameter | N/A |
| | Segment Length | Broadband |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 2013 feet per run |
| | Justification for New Transmission Line | Required to feed new Aux / Interim antenna. Cost will be split with WRAZ. |

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

Primary
Transmission Line

Existing Transmission Line

| Section | Question | Response |
|---|--|-------------------|
| Existing Transmission Line Description | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing transmission line shared with another station or stations? | No |
| | Is Transmission Line in operating condition? | Yes |
| Existing Transmission Line Manufacturer and Type | Manufacturer | |
| | Type | Waveguide |
| | Diameter | N/A |
| | Other Diameter | N/A |
| | Segment Length | N/A |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 2210 feet per run |

Primary **New Transmission Line**
Transmission Line

| Section | Question | Response |
|------------------------------------|---|---|
| New Transmission Line Costs | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Type | Rigid |
| | Diameter | 7 3/16 inches |
| | Other Diameter | N/A |
| | Segment Length | 19 1/2 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 2210 feet per run |
| | Justification for New Transmission Line | Existing run is GLW 1500 Waveguide that is frequency specific for High Band UHF |

Primary **Other Transmission Line Expenses Not Listed**
Transmission Line

| Name | Description |
|--------------------|--|
| Gas Barrier | The transmission line Gas Barrier enables the transmission line to be pressurized. |

2 Wall feed through units

The two listed wall feed thru units are for the transmission line as it goes through the wall to the outside of the transmitter building.

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? | Candelabra |
| | 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? | Yes |
| | Is tower compliant with Rev G? | Yes |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1027322 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 35° 40' 29.0" N- |
| | Longitude (NAD83) | 078° 31' 39.0" W- |
| | Overall Structure Height | 1988.82 feet |
| | Support Structure Height | 1988.82 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 359.90 feet |

| | | |
|--|------------------|--|
| | Structure Type | TOWER - Free Standing or Guyed Structure |
| | Tower Owner | CBC REAL ESTATE COMPANY, INC. |
| | Date Constructed | 03/23/2000 |

**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 |
|-------------|-----------|---------|
| 50782 | WNCN | DTV |
| 64611 | WRAZ | DTV |
| 73205 | WLFL | DTV |
| 73936 | WTKK | FM |

Primary Tower

Tower Modification Costs

| Section | Question | Response |
|----------------------|--|--|
| Engineering Study | Please what type of engineering study is required, if any: | Study needed for tower with candelabra |
| Tower Reinforcements | Please select whether tower reinforcements are needed: | Minor Reinforcements needed |

Primary Tower

Tower Rigging Costs

| Section | Question | Response |
|---------------------|---------------|------------|
| Tower Rigging Costs | Complex Tower | Candelabra |

| | | |
|---|-----------------------------------|-----|
| Helicopter Services Required | Are helicopter services required? | Yes |
|---|-----------------------------------|-----|

**Primary
Tower**

Other Tower Expenses Not Listed

| Name | Description |
|--------------------------|---|
| Relocate ENG Dish | Relocate 2 ENG receive dishes to create room for Interim / Aux antennas - Split with WRAZ |

**Outside
Professional Services Costs**

| Section | Question | Response |
|---|--|--|
| Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 286 |
| | Explanation | WRAL /WRAZ has only one engineer currently available at the TX site. Additional project management is necessary. The estimate is an average of 20 hrs per month for Jan - November of 2019. Note: post Phase 5 the candelabra still needs to be rebuilt. |
| Outside RF consulting Engineering Services | Perform engineering study for new channel assignment and antenna development | Yes |
| | Prepare engineering section of Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | No |

| | | |
|---|--|-----|
| | Quantity | N/A |
| | Do you have Distributed Transmission System engineering services? | N/A |
| | Critical Facility | N/A |
| | Terrain-Shielded Facility | N/A |
| Attorney and Other Outside Consulting Services | Prepare and file Form FCC Construction Permit Application | 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 | No |
| | Quantity | N/A |
| | NEPA Section 106 environmental review | No |
| | Environmental Assessment | No |
| | ASR Modification | Yes |
| | 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 | Yes |
| RF Field Engineering Services | Comprehensive coverage verification via field study | Yes |
| | RF exposure measurements | Yes |
| | Additional Field Engineering Service | Yes |

| | | |
|--|----------------|--|
| | Number of Days | 3 |
| | Justification | Independent verification and inspection of installed systems |

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

| Name | Description |
|---------------------------|---|
| Legal Guidance for repack | Consultation on repack items with Legal Council |

Other Expenses

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

**Other
Expenses**

Other Expenses Not Listed

| Name | Description |
|--|--|
| Facilty remote control and monitoing modifications | Modifications to existing system to add new telemetry and control. |
| Sigma Transmitter and RF System removal | Complete removal of old WRAL Sigma IOT transmitter and related RF system. Properly dispose of all hazardous liquids and materials. |
| Unexpected Site Modifications | Site modifications to allow for continuation of antenna installations due to weather. |

Cost Information

Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|-----------------------|---|-----------------------|--|
| Primary Transmitter ULXTED-120 | \$3,254,620.86 | \$3,121,623.86 | | \$3,079,665.19 | |
| RF System | <i>\$1.00</i> | \$1.00 | Included in overall TX price | N/A | N/A |
| Spare Modules and Power supplies | <i>\$35,000.00</i> | \$35,000.00 | N/A | N/A | N/A |
| System installation | <i>\$1.00</i> | \$1.00 | Included in overall TX price | N/A | N/A |
| 15 Ton system | \$55,800.00 | \$1.00 | Included in overall building estimate | N/A | N/A |
| 4" Rigid Conduit and Wiring (Cost per foot) | \$40,400.00 | \$1.00 | Included in overall building estimate | \$0.00 | N/A |
| UHF - Liquid Cooled Solid State Transmitter 76.0 kW | <i>\$2,214,979.86</i> | \$2,214,979.86 | Includes all TX cost - RF System, installation and electrical (transformer). Freight Charges Also. Added transmitter GPS Antenna cost. 3/31 /2021 | \$2,214,979.86 | Added cost of GPS antenna for transmitter frequency control which exceeded the estimated cost. |

| | | | | | |
|--|---------------------|----------------|---|----------------|--|
| Other -- Building Addition Size: 1600.0 | \$871,639.00 | \$871,639.00 | Our facility is full with no room to install new equipment before old equipment is removed. This facility will be shared with WRAZ. This is 1/2 the cost, other half will be represented on WRAZ. Please see "building cost narrative" recently uploaded. | \$864,685.33 | New estimate was uploaded April 18th for approval. |
| Transformer 3 phase /480v - 300 KVA | \$36,800.00 | \$1.00 | Included in overall TX price | N/A | N/A |
| Sub-total | \$3,254,620.86 | \$3,121,623.86 | N/A | \$3,079,665.19 | N/A |
| Total for all systems | \$6,549,362.51 | \$6,072,174.51 | N/A | \$5,470,996.62 | N/A |

Components

| Actual Information | |
|--|---------------------------|
| Description | File Name |
| RF System | Information not provided. |
| Spare Modules and Power supplies | Information not provided. |
| System installation | Information not provided. |
| 15 Ton system | Information not provided. |
| 4" Rigid Conduit and Wiring (Cost per foot) | Information not provided. |

| | |
|---|--|
| UHF - Liquid Cooled Solid State Transmitter 76.0 kW | <p>Component Description: Final payment for transmitter, installation and freight charges for WRAL main transmitter.</p> <p>Amount: \$106,461.97</p> |
| | <p>Component Description: WRAL half of the invoice for transmitter frequency control GPS antennas.</p> <p>Amount: \$361.57</p> |
| | <p>Component Description: 50% down for transmitter</p> <p>Amount: \$1,053,306.70</p> |
| | <p>Component Description: Gates second invoice - includes RF system and electrical (transformer)</p> <p>Amount: \$1,052,564.98</p> |
| | <p>Component Description: 4 saddle type directional couplers for WRAL mask filters.</p> <p>Amount: \$2,284.64</p> |
| Other -- Building Addition Size: 1600.0 | <p>Component Description: Third invoice (Pay app) in construction project</p> <p>Amount: \$111,204.90</p> |

| | |
|-------------------------------|---|
| Component Description: | WRAL portion of Osborn invoice 27628 revised with receipts. |
| Amount: | \$1,267.64 |

| | |
|-------------------------------|---|
| Component Description: | REVISED cover sheet -Ross Video Limited invoice for new transmitter ASI feed. |
| Amount: | \$3,668.80 |

| | |
|-------------------------------|---|
| Component Description: | WRAL portion of ITS invoice WRAL-WRAZ-008 |
| Amount: | \$48,892.50 |

| | |
|-------------------------------|---|
| Component Description: | WRAL Portion (1/2) of ITS Invoice WRAL-WRAZ-010 |
| Amount: | \$7,993.08 |

| | |
|-------------------------------|--|
| Component Description: | WRAL Portion of Osborn Invoice 27327 Revised. Removed charge for Additional Service Fees from United Airlines and reduced amount of reimbursement request. |
| Amount: | \$7,729.03 |

| | |
|-------------------------------|---|
| Component Description: | 12-09-19 Osborn invoice 32586 for printing related to the WRAL new building addition. |
| Amount: | \$40.30 |

| | |
|-------------------------------|--|
| Component Description: | WRAL Portion of Osborn Invoice 29157 |
| Amount: | \$933.70 |
| Component Description: | WRAL portion (1/2) of ITS Invoice WRAL-WRAZ-009 |
| Amount: | \$6,750.00 |
| Component Description: | WRAL portion of ITS Invoice WRAL- WRAZ-007 |
| Amount: | \$48,375.00 |
| Component Description: | WRAL Portion of Osborn Invoice 28274. REVISED |
| Amount: | \$14,745.14 |
| Component Description: | 1/2 of cost for equipment racks for new transmitter. Total invoice amount is split between WRAL and WRAZ |
| Amount: | \$8,538.42 |
| Component Description: | WRAL half of Intellicom, Inc invoice for fiber cable and installation. |
| Amount: | \$6,045.00 |
| Component Description: | WRAL Half of Osborn Invoice 36830 |
| Amount: | \$9,165.00 |

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| Component Description: | WRAL portion of ITS Invoice WRAL- WRAZ-006 |
| Amount: | \$38,250.00 |

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| Component Description: | Fourth invoice (Pay app) in construction project |
| Amount: | \$70,326.24 |

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| Component Description: | WRAL Portion of Osborn Invoice 27973 |
| Amount: | \$5,111.98 |

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| Component Description: | First invoice (Pay app) in construction project |
| Amount: | \$254,945.60 |

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| Component Description: | WRAL portion of ITS Invoice WRAL- WRAZ-011 for final payment for building construction. |
| Amount: | \$78,560.16 |

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| Component Description: | WRAL Portion of Osborn Invoice 27175 revised with invoices. |
| Amount: | \$7,563.72 |

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| | Component Description: Amount: | REVISÉD WRAL portion of the BeckTV invoice 10351 for new building infrastructure equipment. \$17,076.83 |
| | Component Description: Amount: | Second invoice (Pay app) in construction project \$70,087.95 |
| | Component Description: Amount: | WRAL Portion of Osborn Invoice 28690 \$20,320.01 |
| | Component Description: Amount: | Fifth invoice (Pay app) in construction project \$50,216.16 |
| Transformer 3 phase/480v - 300 KVA | Information not provided. | |

**Cost
Information**

Antennas

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|--------------------------------|---------------------|------------------------------------|---------------------|------------------------------|
| Primary Antenna ATW25H4- ETO-17H | \$310,130.00 | \$294,600.00 | | \$236,125.00 | |
| Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed) | \$13,900.00 | \$13,200.00 | N/A | \$0.00 | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00 | \$275,000.00 | N/A | \$229,875.00 | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$6,250.00 | N/A |
| Auxiliary Antenna ATW25H3- ESO-15/17H | \$275,790.00 | \$267,000.00 | | \$186,855.40 | |

| | | | | | |
|--|-------------|-------------|--|-------------|---|
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | \$5,260.00 | \$2,500.00 | 1/2 split with WRAZ | N/A | N/A |
| Side mount brackets for high power antennas (if not included in antenna base cost) | \$23,150.00 | \$11,000.00 | 1/2 split with WRAZ | \$7,425.00 | This Covers both WRAL and WRAZ combined AUX system |
| Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed) | \$18,950.00 | \$17,800.00 | This antenna is a "combined antenna" the other 1 /2 of the cost is shared with WRAZ | \$17,737.04 | N/A |
| New combiner, cost per channel (without antenna) | \$84,200.00 | \$95,000.00 | Interim (AUX) antenna will support full power from each station (WRAL and WRAZ) requiring larger sized combiner. | \$31,959.51 | This is for Both WRAL and WRAZ interim / aux antenna system |
| Sweep test of existing antenna | \$6,730.00 | \$3,200.00 | 1/2 split with WRAZ | N/A | N/A |

| | | | | | |
|--|---------------------|----------------|---|----------------|---|
| UHF - High Power, Side Mount, basic slot antenna, 805 kW input, elliptically or circularly polarized | \$137,500.00 | \$137,500.00 | This antenna is a "combined antenna" the other 1 /2 of the cost is shared with WRAZ | \$129,733.85 | This covers cost for both WRAL and WRAZ AUX combined antenna ststem |
| Sub-total | \$585,920.00 | \$561,600.00 | N/A | \$422,980.40 | N/A |
| Total for all systems | \$6,549,362.51 | \$6,072,174.51 | N/A | \$5,470,996.62 | N/A |

Components

| Actual Information | |
|--|--|
| Description | File Name |
| Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed) | Information not provided. |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | <div> Component Description: Final payment (15%) for Primary Antenna - ATW25H4-ETO-17H Amount: \$34,481.25 </div> <div> Component Description: 85% initial Payment WRAL Main Antenna Amount: \$195,393.75 </div> |

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|--|--|
| Sweep test of existing antenna | <div> <div> Component Description: Amount: </div> <div> Final payment (15%) for System Sweep \$937.50 </div> </div> <div> <div> Component Description: Amount: </div> <div> 85% initial payment - System Sweep \$5,312.50 </div> </div> |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | Information not provided. |
| Side mount brackets for high power antennas (if not included in antenna base cost) | <div> <div> Component Description: Amount: </div> <div> WRAL portion of the WRAL/WRAZ Aux Antenna Leg Mount Bracket. Final 15% \$1,113.75 </div> </div> <div> <div> Component Description: Amount: </div> <div> 1/2 of 85% Initial Payment - Leg mount bracket set WRAL and WRAZ Combined AUX \$6,311.25 </div> </div> |
| Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed) | <div> <div> Component Description: Amount: </div> <div> Corrected Amount - 50% split between WRAL and WRAZ for ERI Invoice 53331 \$17,737.04 </div> </div> |

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|--|---|-------------------------------|--|----------------|-------------|-------------------------------|---|----------------|--------------|-------------------------------|---|----------------|-------------|
| New combiner, cost per channel (without antenna) | <table> <tr> <td data-bbox="719 174 1027 208">Component Description:</td><td data-bbox="1161 174 1369 365">WRAL half of ERI invoice 53331-1 for items related to interim system combiner install.</td></tr> <tr> <td data-bbox="719 376 831 409">Amount:</td><td data-bbox="1161 376 1294 409">\$10,709.51</td></tr> <tr> <td data-bbox="719 517 1027 551">Component Description:</td><td data-bbox="1161 517 1369 707">WRAL portion of the final 15% due for the WRAL /WRAZ Aux combiner.</td></tr> <tr> <td data-bbox="719 719 831 752">Amount:</td><td data-bbox="1161 719 1278 752">\$3,187.50</td></tr> <tr> <td data-bbox="719 853 1027 887">Component Description:</td><td data-bbox="1161 853 1374 999">1/2 of 85% Initial Payment - Combiner for WRAL and WRAZ</td></tr> <tr> <td data-bbox="719 1010 831 1043">Amount:</td><td data-bbox="1161 1010 1294 1043">\$18,062.50</td></tr> </table> | Component Description: | WRAL half of ERI invoice 53331-1 for items related to interim system combiner install. | Amount: | \$10,709.51 | Component Description: | WRAL portion of the final 15% due for the WRAL /WRAZ Aux combiner. | Amount: | \$3,187.50 | Component Description: | 1/2 of 85% Initial Payment - Combiner for WRAL and WRAZ | Amount: | \$18,062.50 |
| Component Description: | WRAL half of ERI invoice 53331-1 for items related to interim system combiner install. | | | | | | | | | | | | |
| Amount: | \$10,709.51 | | | | | | | | | | | | |
| Component Description: | WRAL portion of the final 15% due for the WRAL /WRAZ Aux combiner. | | | | | | | | | | | | |
| Amount: | \$3,187.50 | | | | | | | | | | | | |
| Component Description: | 1/2 of 85% Initial Payment - Combiner for WRAL and WRAZ | | | | | | | | | | | | |
| Amount: | \$18,062.50 | | | | | | | | | | | | |
| Sweep test of existing antenna | Information not provided. | | | | | | | | | | | | |
| UHF - High Power, Side Mount, basic slot antenna, 805 kW input, elliptically or circularly polarized | <table> <tr> <td data-bbox="719 1301 1027 1335">Component Description:</td><td data-bbox="1161 1301 1369 1525">WRAL portion of the final 15% due for the WRAL /WRAZ Aux antenna plus freight.</td></tr> <tr> <td data-bbox="719 1536 831 1570">Amount:</td><td data-bbox="1161 1536 1294 1570">\$24,599.47</td></tr> <tr> <td data-bbox="719 1682 1027 1715">Component Description:</td><td data-bbox="1161 1682 1369 1906">1/2 of 85% Initial Payment - Combined WRAL /WRAZ Side mount AUX Antenna</td></tr> <tr> <td data-bbox="719 1917 831 1951">Amount:</td><td data-bbox="1161 1917 1310 1951">\$105,134.38</td></tr> </table> | Component Description: | WRAL portion of the final 15% due for the WRAL /WRAZ Aux antenna plus freight. | Amount: | \$24,599.47 | Component Description: | 1/2 of 85% Initial Payment - Combined WRAL /WRAZ Side mount AUX Antenna | Amount: | \$105,134.38 | | | | |
| Component Description: | WRAL portion of the final 15% due for the WRAL /WRAZ Aux antenna plus freight. | | | | | | | | | | | | |
| Amount: | \$24,599.47 | | | | | | | | | | | | |
| Component Description: | 1/2 of 85% Initial Payment - Combined WRAL /WRAZ Side mount AUX Antenna | | | | | | | | | | | | |
| Amount: | \$105,134.38 | | | | | | | | | | | | |

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 | \$641,995.65 | \$604,443.65 | | \$604,442.74 | |
| 2 Wall feed through units | <i>\$703.80</i> | \$703.80 | No Predetermined Cost Estimate | \$703.80 | N/A |
| Gas Barrier | <i>\$391.85</i> | \$391.85 | No Predetermined cost estimate | \$391.85 | N/A |
| Rigid Transmission Line - copper, 7 3 /16" | \$640,900.00 | \$603,348.00 | N/A | \$603,347.09 | N/A |
| Auxiliary Transmission Line | \$803,187.00 | \$381,000.00 | | \$259,449.05 | |
| Rigid Transmission Line - copper, 8 3 /16" broadband | \$803,187.00 | \$381,000.00 | This represents 1 /2. WRAZ will cover the other 1/2 | \$259,449.05 | This covers both WRAL main and the WRAL /WRAZ combined AUX antenna systems |
| Sub-total | \$1,445,182.65 | \$985,443.65 | N/A | \$863,891.79 | N/A |
| Total for all systems | \$6,549,362.51 | \$6,072,174.51 | N/A | \$5,470,996.62 | N/A |

Components

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

| | |
|---|--|
| 2 Wall feed through units | Component Description: Full payment for Wall Feed Thru Amount: \$703.80 |
| Gas Barrier | Component Description: Full payment for gas Barrier 7-3/16" 75 Ohm Amount: \$391.85 |
| Rigid Transmission Line - copper, 7 3/16" | Component Description: Pre-Approved submittal for transmission line expenses for 7-3 /16" line. Amount: \$22,733.25 |
| | Component Description: Final payment (15%) for Transmission Line system Amount: \$84,062.14 |
| | Component Description: Final payment (15%) for Sahara Dehydrator Amount: \$1,398.68 |
| | Component Description: Final payment (15%) for TX line system design and drawings Amount: \$1,631.25 |

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|-------------------------------|---|
| Component Description: | ERI Invoice WRAL-53483 Balance due and freight for proposal 20190130-528 |
| Amount: | \$29,194.50 |

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| Component Description: | ERI Invoice WRAL-3000 50% deposit with order for Proposal 20190131-528 |
| Amount: | \$24,690.37 |

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| Component Description: | 85% initial payment - Transmission Line for WRAL |
| Amount: | \$476,352.20 |

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|-------------------------------|--|
| Component Description: | 85% initial payment - TX Line System design and drawings |
| Amount: | \$9,243.75 |

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|-------------------------------|--|
| Component Description: | 85% initial payment - Sahara TX Line Dehydrator - WRAL Main line |
| Amount: | \$7,925.82 |

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|-------------------------------|---|
| Component Description: | ERI Invoice WRAL-3000 submission to rectify cost difference between 7" line approved and 8" line installed. |
| Amount: | \$22,733.25 |

Rigid Transmission Line -
copper, 8 3/16" broadband

Component Description:

WRAL portion of
the WRAL/WRAZ
Aux Transmission
Line System plus
freight. Final 15%
payment.

Amount:

\$42,469.20

Component Description:

WRAL portion of
the extra cut piece
of transmission
line for the WRAL
/WRAZ Aux.
transmission line.
Full payment.

Amount:

\$1,021.28

Component Description:

WRAL portion of
the WRAL/WRAZ
Aux Transmission
Line Dehydrator
after discount.
Final payment.

Amount:

\$394.09

Component Description:

1/2 of ERI invoice
54459

Amount:

\$5,205.36

Component Description:

1/2 of 85% initial
payment - Sahara
TX line dehydrator
- AUX combined
system WRAL and
WRAZ

Amount:

\$3,962.91

Component Description:

1/2 of 85% initial
payment - TX Line
for Combined
WRAL WRAZ
AUX Antenna
system

Amount:

\$206,396.21

Cost Information

Tower Equipment and Rigging Costs

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|-----------------------|---|---------------------|---------------------------|
| Primary Tower TOWER | \$967,300.00 | \$1,183,091.00 | | \$945,682.54 | |
| Relocate ENG Dish | <i>\$25,000.00</i> | \$25,000.00 | This is 1/2 of the cost - other half will be covered by WRAZ | N/A | N/A |
| Minor tower reinforcement /modifications | \$158,000.00 | \$158,000.00 | N/A | N/A | N/A |
| Structural engineering tower load study for a documented tower with candelabra | \$20,000.00 | \$19,000.00 | N/A | \$4,750.00 | N/A |
| Tower Helicopter Lift | <i>\$343,300.00</i> | \$343,300.00 | No predetermined cost available. | \$343,300.00 | N/A |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$637,791.00 | Estimated cost is \$216,791.00 over predetermined cost estimate due to unexpected rigging cost and overages for antenna installation. | \$597,632.54 | N/A |
| Sub-total | \$967,300.00 | \$1,183,091.00 | N/A | \$945,682.54 | N/A |

| | | | | | |
|------------------------------|----------------|----------------|-----|----------------|-----|
| Total for all systems | \$6,549,362.51 | \$6,072,174.51 | N/A | \$5,470,996.62 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

Components

| Actual Information | |
|--|---|
| Description | File Name |
| Relocate ENG Dish | Information not provided. |
| Minor tower reinforcement /modifications | Information not provided. |
| Structural engineering tower load study for a documented tower with candelabra | <div> <div>Component Description:</div> <div>WRAL portion of ERI Invoice 52341. Remainder of invoice charged to WRAZ</div> </div> <div> <div>Amount:</div> <div>\$4,750.00</div> </div> |

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|---|--|
| Tower Helicopter Lift | <div data-bbox="719 174 1362 488"> <p>Component Description: WRAL Old antenna removal and new antenna placement via helicopter. 40% payment prior to mobilization.</p> <p>Amount: \$134,420.00</p> </div> <div data-bbox="719 593 1374 869"> <p>Component Description: WRAL Old antenna removal and new antenna placement via helicopter. 50% deposit with order.</p> <p>Amount: \$168,025.00</p> </div> <div data-bbox="719 974 1369 1205"> <p>Component Description: WRAL portion of James River invoice 2002 for Helicopter landing pad.</p> <p>Amount: \$7,250.00</p> </div> <div data-bbox="719 1310 1358 1585"> <p>Component Description: Final 10% payment for helicopter installation of top antenna for WRAL.</p> <p>Amount: \$33,605.00</p> </div> |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | <div data-bbox="719 1720 1374 1915"> <p>Component Description: ERI Invoice 54380 for extra tower work and weather day.</p> <p>Amount: \$42,295.03</p> </div> |

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| Component Description: | Credit amount issued by ERI against ERI Invoice WRAL-55314-1 |
| Amount: | (\$20,125.00) |

| | |
|-------------------------------|---|
| Component Description: | WRAL 50% deposit with order for tower installation services |
| Amount: | \$61,870.00 |

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|-------------------------------|--|
| Component Description: | WRAL portion of invoice WRAL-5000 for 50% with order. Remainder of Invoice charged to WRAZ |
| Amount: | \$84,505.32 |

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| Component Description: | WRAL portion of ERI Invoice WRAL-54736 |
| Amount: | \$35,686.87 |

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|-------------------------------|--|
| Component Description: | WRAL portion of ERI Invoice WRAL-53914. Remainder of invoice charged to WRAZ |
| Amount: | \$16,901.07 |

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| Component Description: | WRAL antenna installation and rigging costs. 50% deposit with order. |
| Amount: | \$105,137.50 |

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|-------------------------------|--|
| Component Description: | Credit amount issued by ERI against ERI Invoice WRAL-55314-1 |
| Amount: | (\$20,125.00) |

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| Component Description: | WRAL Portion of ERI invoice WRAL-53700. Remainder of invoice charged to WRAZ. |
| Amount: | \$33,625.00 |

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| Component Description: | Tower Plumb and Tension cost. Total amount of \$46,500.00 is split between WRAL and WRAZ |
| Amount: | \$23,250.00 |

| | |
|-------------------------------|--------------------------|
| Component Description: | ERI Invoice WRAL-55314-1 |
| Amount: | \$902.50 |

| | |
|-------------------------------|--------------------------------------|
| Component Description: | WRAL 50% of invoice for balance due. |
| Amount: | \$61,870.00 |

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|-------------------------------|--|
| Component Description: | WRAL Portion of ERI Invoice WRAL-5000A. Remaining invoice amount charged to WRAZ |
| Amount: | \$67,604.25 |

Component Description:

Balance of
amount paid to
ERI after ERI
credit invoice
WRAL-55314-3

Amount:

\$902.50

Component Description:

WRAL antenna
installation and
rigging costs. 40%
payment prior to
mobilization.

Amount:

\$84,110.00

Cost
Information

Outside Professional Services

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|----------------|---|--------------|---------------------------|
| Outside Professional Services | \$205,918.00 | \$137,805.00 | | \$103,576.23 | |
| Legal Guidance for repack | <i>\$14,000.00</i> | \$14,000.00 | N/A | \$11,734.50 | N/A |
| Additional Field Engineering Service, 3 Days | <i>\$6,500.00</i> | \$6,500.00 | Estimating \$2000 per day for an independent verification of the new transmission systems | \$6,500.00 | N/A |
| RF Exposure Measurements | \$21,050.00 | \$2,500.00 | N/A | N/A | N/A |
| Comprehensive coverage verification via field study, if needed | \$84,200.00 | \$30,000.00 | N/A | \$25,037.45 | N/A |
| ASR modification (prepare FCC Form 854) | \$2,105.00 | \$500.00 | N/A | \$0.00 | 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 |
| 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 | \$1,000.00 | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | 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 |

| | | | | | |
|---|----------------|----------------|--|----------------|-----|
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | \$5,375.00 | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | \$0.00 | 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 | \$875.00 | N/A |
| Project management of the transition | \$45,188.00 | \$53,055.00 | Added invoices for March 2020 through October 2020 | \$53,054.28 | N/A |
| Sub-total | \$205,918.00 | \$137,805.00 | N/A | \$103,576.23 | N/A |
| Total for all systems | \$6,549,362.51 | \$6,072,174.51 | N/A | \$5,470,996.62 | N/A |

Components

| Actual Information | |
|---------------------------|-----------|
| Description | File Name |
| Legal Guidance for repack | |

| | |
|-------------------------------|--|
| Component Description: | 1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack |
| Amount: | \$286.50 |

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| Component Description: | 1/2 of Wilkinson, Barker, Knauer Invoice for legal guidance for incentive auction /repack.- Revised and resubmitted. |
| Amount: | \$2,494.75 |

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|-------------------------------|---|
| Component Description: | WRAL portion of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack |
| Amount: | \$1,653.00 |

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|-------------------------------|---|
| Component Description: | WRAL portion of Legal Guidance invoice from Wilkinson Barker Knauer LLP |
| Amount: | \$2,213.00 |

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|-------------------------------|---|
| Component Description: | WRAL half of Legal Guidance invoice from Wilkinson Barker Knauer LLP |
| Amount: | \$1,638.25 |

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|-------------------------------|--|
| Component Description: | 1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack |
| Amount: | \$321.50 |

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|-------------------------------|---|
| Component Description: | WRAL half of Legal Guidance invoice from Wilkinson Barker Knauer LLP |
| Amount: | \$218.25 |

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| Component Description: | 1/2 of Wilkinson, Barker, Knauer, LLP invoice for legal guidance for Incentive Auction /Repack. |
| Amount: | \$291.00 |

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| Component Description: | 1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack |
| Amount: | \$2,494.75 |

| | |
|-------------------------------|--|
| Component Description: | 1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack |
| Amount: | \$987.75 |

| | | |
|--|--|--|
| | Component Description: Amount: | 1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack \$1,630.50 |
| Additional Field Engineering Service, 3 Days | Component Description: Amount: Component Description: Amount: | Final payment (15%) for site survey by 2 ERI Climbers \$975.00 TX Layout Site Survey - 2 Certified ERI Climbers \$5,525.00 |
| RF Exposure Measurements | Information not provided. | |

| | | |
|--|---|---|
| Comprehensive coverage verification via field study, if needed | Component Description: Amount: | WRAL half of invoice for field measurements. \$4,840.00 |
| | Component Description: Amount: | WRAL half of invoice for field measurements. \$8,885.66 |
| | Component Description: Amount: | WRAL half of invoice for field measurements. \$8,891.79 |
| | Component Description: Amount: | WRAL half of invoice for field measurements. \$2,420.00 |
| ASR modification (prepare FCC Form 854) | Component Description: Amount: | RF Engineering - FAA filing to update frequency \$500.00 |
| 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. | |

| | |
|---|---|
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | Component Description: 02-24-2020 DLR Invoice 240966 Amount: \$1,000.00 |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. |
| Prepare and or review reimbursement form | Information not provided. |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. |

Perform engineering study
for new channel
assignment and antenna
development

Component Description: 02-24-2020 WRAL
portion of DLR
Invoice 242522
Amount: \$125.00

Component Description: 02-24-2020 DLR
Invoice 240339
Amount: \$750.00

Component Description: 02-24-2020 DLR
Invoice 240825
Amount: \$250.00

Component Description: 02-24-2020 WRAL
portion of DLR
Invoice 243550
Amount: \$250.00

Component Description: 02-24-2020 DLR
Invoice 242681
Amount: \$125.00

Component Description: 02-24-2020 DLR
Invoice 243399
Amount: \$1,500.00

Component Description: 02-24-2020 WRAL
portion of DLR
Invoice 242392
Amount: \$375.00

Component Description: 02-24-2020 DLR
Invoice 240822
Amount: \$2,000.00

| | | | | | |
|---|--|-------------------------------|---|----------------|------------|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <table> <tr> <td>Component Description:</td><td>RF Consultant fees for application for license to cover construction permit for main antenna.</td></tr> <tr> <td>Amount:</td><td>\$250.00</td></tr> </table> | Component Description: | RF Consultant fees for application for license to cover construction permit for main antenna. | Amount: | \$250.00 |
| Component Description: | RF Consultant fees for application for license to cover construction permit for main antenna. | | | | |
| Amount: | \$250.00 | | | | |
| | <table> <tr> <td>Component Description:</td><td>RF Consultant fees for modification of construction permit to reduce ERP.</td></tr> <tr> <td>Amount:</td><td>\$1,500.00</td></tr> </table> | Component Description: | RF Consultant fees for modification of construction permit to reduce ERP. | Amount: | \$1,500.00 |
| Component Description: | RF Consultant fees for modification of construction permit to reduce ERP. | | | | |
| Amount: | \$1,500.00 | | | | |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | <table> <tr> <td>Component Description:</td><td>02-24-2020 DLR Invoice 243548</td></tr> <tr> <td>Amount:</td><td>\$250.00</td></tr> </table> | Component Description: | 02-24-2020 DLR Invoice 243548 | Amount: | \$250.00 |
| Component Description: | 02-24-2020 DLR Invoice 243548 | | | | |
| Amount: | \$250.00 | | | | |
| | <table> <tr> <td>Component Description:</td><td>02-24-2020 DLR Invoice 243950</td></tr> <tr> <td>Amount:</td><td>\$250.00</td></tr> </table> | Component Description: | 02-24-2020 DLR Invoice 243950 | Amount: | \$250.00 |
| Component Description: | 02-24-2020 DLR Invoice 243950 | | | | |
| Amount: | \$250.00 | | | | |
| | <table> <tr> <td>Component Description:</td><td>RF Engineering - application for license to cover Aux. construction permit.</td></tr> <tr> <td>Amount:</td><td>\$625.00</td></tr> </table> | Component Description: | RF Engineering - application for license to cover Aux. construction permit. | Amount: | \$625.00 |
| Component Description: | RF Engineering - application for license to cover Aux. construction permit. | | | | |
| Amount: | \$625.00 | | | | |
| Project management of the transition | | | | | |

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| Component Description: | Turner Communications Services Invoice 821 for October 2020. Work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements |
| Amount: | \$630.00 |

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|-------------------------------|---|
| Component Description: | WRAL invoice for contract work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements. |
| Amount: | \$4,270.00 |

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| Component Description: | Turner Communications Services Invoice 653 for March 2020. Work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements |
| Amount: | \$3,780.00 |

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| Component Description: | Project management services for August 2019 |
| Amount: | \$3,815.00 |

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| Component Description: | Project management services for October 2019 |
| Amount: | \$245.00 |

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| Component Description: | Turner Communications Services Invoice 684 for May 2020. Work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements |
| Amount: | \$1,715.00 |

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| Component Description: | Turner Communications Services Invoice 711 for June 2020. Work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements |
| Amount: | \$630.00 |

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| Component Description: | Turner Communications Services Invoice 726 for July 2020. Work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements |
| Amount: | \$630.00 |

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| Component Description: | Turner Communications Services Invoice 670 for April 2020. Work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements |
| Amount: | \$3,045.00 |

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| Component Description: | Turner Communications Services Invoice 795 for September 2020. Work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements |
| Amount: | \$665.00 |

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| Component Description: | WRAL invoice for contract work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements. |
| Amount: | \$3,325.00 |

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| Component Description: | WRAL invoice for contract work related to compiling and filing the necessary paperwork for FCC Form 2100, Schedule 399 for repack related cost reimbursements. |
| Amount: | \$2,730.00 |

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| Component Description: | Project Management Services for January 2019 |
| Amount: | \$1,540.00 |

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| Component Description: | Project Management Services for July 2019 |
| Amount: | \$3,424.28 |

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|-------------------------------|--|
| Component Description: | Project Management Services for September 2019 |
| Amount: | \$1,610.00 |

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|-------------------------------|---|
| Component Description: | Project Management Services for May 2019 |
| Amount: | \$4,585.00 |

| | |
|-------------------------------|---------------|
| Component Description: | April invoice |
| Amount: | \$5,355.00 |

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|-------------------------------|---|
| Component Description: | Project Management Services for March 2019 |
| Amount: | \$980.00 |

| | |
|-------------------------------|--|
| Component Description: | Project Management Services for June 2019 |
| Amount: | \$4,480.00 |

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|-------------------------------|---|
| Component Description: | Turner Invoice 575 FCC form 2100, Schedule 399 cost reimbursement submittal work. |
| Amount: | \$3,710.00 |

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|-------------------------------|--|
| Component Description: | Project Management Services for February 2019 |
| Amount: | \$1,890.00 |

Cost Information

Other Expenses

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|--------------------|---|--------------------|---------------------------|
| Other Expenses | \$90,421.00 | \$82,611.00 | | \$55,200.47 | |
| Unexpected Site Modifications | <i>\$1,000.00</i> | \$1,000.00 | N/A | \$1,000.00 | N/A |
| Sigma Transmitter and RF System removal | <i>\$40,000.00</i> | \$40,000.00 | Received formal quote for old WRAL IOT transmitter removal from Chuck Britt & Associates totaling \$40,000.00 | \$40,000.00 | N/A |
| Facility remote control and monitoing modifications | <i>\$4,836.00</i> | \$4,836.00 | N/A | \$4,836.00 | N/A |
| MVPD Notification of Channel Change | <i>\$1,250.00</i> | \$1,250.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | <i>\$10,000.00</i> | \$10,000.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | <i>\$4,600.00</i> | \$4,600.00 | No Predetermined Cost Estimate | \$259.84 | N/A |

| | | | | | |
|--|--------------------|----------------|--|----------------|-----|
| Disposal Costs (for equipment and other waste, net of any salvage value) | \$10,000.00 | \$10,000.00 | N/A | \$3,263.48 | N/A |
| Local Zoning | \$5,850.00 | \$5,850.00 | Wake County NC Commercial Building Permit for New Building Addition. | \$5,841.15 | N/A |
| FCC Filing Fees - Form 2100 license to cover application | \$335.00 | \$325.00 | N/A | N/A | N/A |
| Non-zoning permits | \$1,000.00 | \$1,000.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$3,750.00 | N/A | N/A | N/A |
| Sub-total | \$90,421.00 | \$82,611.00 | N/A | \$55,200.47 | N/A |
| Total for all systems | \$6,549,362.51 | \$6,072,174.51 | N/A | \$5,470,996.62 | N/A |

Components

| Actual Information | |
|-------------------------------|--|
| Description | File Name |
| Unexpected Site Modifications | <p>Component Description: WRAL half of James River Building Company invoice 2005</p> <p>Amount: \$1,000.00</p> |

| | |
|---|---|
| Sigma Transmitter and RF System removal | <div> Component Description: Final payment for WRAL Sigma transmitter removal. </div> <div> Amount: \$20,000.00 </div> |
| | <div> Component Description: Initial 50% payment when work starts for WRAL Sigma transmitter removal. </div> <div> Amount: \$20,000.00 </div> |
| Facilty remote control and monitoing modifications | <div> Component Description: WRAL requested reimbursement amount for NFB consulting invoice. </div> <div> Amount: \$4,836.00 </div> |
| MVPD Notification of Channel Change | Information not provided. |
| Develop and air announcement of upcoming channel change | Information not provided. |
| Equipment Delivery and Handling Charges | <div> Component Description: Freight expense from BeckTV. Invoice 10404 </div> <div> Amount: \$259.84 </div> |

| | |
|--|---|
| Disposal Costs (for equipment and other waste, net of any salvage value) | <div> Component Description: James River Building Company invoice 2006 for Dumpster dump and return service. </div> <div> Amount: \$402.37 </div> |
| | <div> Component Description: James River Construction Company waste dumpster removal and return. </div> <div> Amount: \$429.82 </div> |
| | <div> Component Description: 12-9-19 - James River Invoice 1945 for waste dumpster removal and return. </div> <div> Amount: \$865.10 </div> |
| | <div> Component Description: James River Building Company Invoice 1954 for Dumpster service. </div> <div> Amount: \$440.19 </div> |
| | <div> Component Description: 12-9-19 - James River Invoice 1930 for waste dumpster removal and return. </div> <div> Amount: \$1,126.00 </div> |
| Local Zoning | <div> Component Description: WRAL Portion of the Building Permit expenses for the new transmitter building addition. </div> <div> Amount: \$5,841.15 </div> |

| | |
|--|---------------------------|
| FCC Filing Fees - Form 2100 license to cover application | Information not provided. |
| Non-zoning permits | Information not provided. |
| DTV Medical Facility Notification | Information not provided. |

**Cost
Information**

Grand Total

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|-----------------------|--------------------------------|----------------|----------------|
| Total for all systems | \$6,549,362.51 | \$6,072,174.51 | \$5,470,996.62 |

Reimbursement Status

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

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

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

| | |
|---|---|
| <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>Craig Turner <i>Project Engineer</i></p> <p>04/05/2021</p> |

Attachments