

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

| | | | - | | | |
|------------------|----------|--------------|-------|---------|-------------------|--|
| Facility | 41674 | Service: DTX | Call | WNDU-TV | Channel: 27 (UHF) | |
| ID: | | | Sign: | | | |
| File | 000002 | 8730 | | | | |
| Number: | | | | | | |
| FRN: 00 1 | 18223693 | Date | 03/25 | | | |
| | | Submitted: | /2019 | | | |

Applicant Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|----------------------------------|--|--|--|---|
| GRAY TELEVISION LICENSEE, LLC | Robert Folliard 4370 Peachtree Road Atlanta, GA 30319 United States | +1 (202) 750-1585 | Robert. Folliard@gray. tv | Limited Liability Company |
| | GRAY TELEVISION | GRAY TELEVISION LICENSEE, LLC Road Atlanta, GA 30319 | GRAY TELEVISION LICENSEE, LLC Road Atlanta, GA 30319 | GRAY TELEVISION LICENSEE, LLC Rolliard A370 Peachtree Road Atlanta, GA 30319 |

Reimbursement Contact Name and Information Reimbursement Contact Information

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

| Preparer | Preparer Contact Name and Information | | | | |
|------------------------|---------------------------------------|---|-------------------|--------------------------|--|
| Contact Information | Applicant | Address | Phone | Email | |
| | Samuel Hariton Widelity | Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States | +1 (339) 222-8107 | sam.hariton@widelity.com | |

| Broadcaster | Question | Response |
|--|--|---|
| Information and Transition Plan | Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | No |
| | Briefly describe transition plan | The station is replacing both the main and aux antenna systems, transmission lines, and transmitters with new hardware. |

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

| Auxiliary | Existing Transmitter Information | | | | |
|-------------|---|--|--------------------------|--|--|
| Transmitter | Section | Question | Response | | |
| | Existing Transmitter Description | Type of change | Purchase New | | |
| | | Use | Auxiliary (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 Manufacturer and Type | Manufacturer | | | |
| | | Model | DCX Gen 1 | | |
| | | Year | 1998 | | |
| | | Туре | Inductive Output Tube | | |
| | | IOT Power Type | Two | | |
| | | Power Capacity | 44 kW | | |

Existing Transmitter Information

| Auxiliary | New Transmitter Costs | | | | | |
|-------------|-----------------------|---|--|--|--|--|
| Transmitter | Section | Question | Response | | | |
| | New Transmitter | Use | Auxiliary (Backup) | | | |
| | | Change Type | Purchase New | | | |
| | | Is this a request for upgraded equipment? | Yes | | | |
| | | Manufacturer | | | | |
| | | Model | HPTV- PARLX-U32 | | | |
| | | Transmitter Type | Solid State | | | |
| | | Solid State Cooling | Liquid Cooled | | | |
| | | Solid State Power capacity | 55 kW | | | |
| | | Justification for New Transmitter | Current Comark DCX Gen 1 from 1998 is not compatible with repack channel 27 and no available parts due to being discontinued | | | |

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 | The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Туре | Cooling Only |
| | Size | 10 tons |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold | Does the Transmitter Building require an addition, modification, other leashold improvement? | No |
| Improvement | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

| Auxiliary | Other Transmitter Cost Not Listed | | | |
|-------------|-----------------------------------|---|--|--|
| Transmitter | Name | Description | | |
| | Internal RF System | A new internal RF System is necessary for this Auxiliary Transmitter. | | |

| Primary | Existing Transmitter Information | | | | |
|-------------|-------------------------------------|--|--------------------------|--|--|
| Transmitter | 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 | | | |
| | Manufacturer and Type | Model | DCX Generation 1 | | |
| | | Year | 1998 | | |
| | | Туре | Inductive Output Tube | | |
| | | IOT Power Type | Two | | |
| | | Power Capacity | 49 kW | | |

Existing Transmitter Information

| 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 | HPTV- PARLX-U32 |
| | | Transmitter Type | Solid State |
| | | Solid State Cooling | Liquid Cooled |
| | | Solid State Power capacity | 55 kW |
| | | Justification for New Transmitter | Per manufacturer Current Comark DCX Gen 1 from 1998 is not compatible with repack channel 27 and no available parts due to being discontinued |

| Primary Transmitter | Other Transmitter Costs | | | |
|------------------------|-------------------------|---------------------------------------|----------|--|
| | Section | Question | Response | |
| | Electrical Service | Service Entrance (3 phases 800A 208V) | No | |
| | | Switchgear (industrial 800 amp) | No | |
| | | Transformer (480V) | No | |
| | | Power | N/A | |

Other Transmitter Costs

| | Rigid Conduit and Wiring | No |
|---|--|--|
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Туре | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold | Does the Transmitter Building require an addition, modification, other leashold improvement? | No |
| Improvement | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Primary Other Transmitter Cost Not Listed Transmitter

| er | Name | Description |
|----|--------------------|---|
| | Transmitter Remote | Remote controls for transmitter |
| | Site Survey | Basic site survey by GatesAir |
| | Ice shield | Fencing extension for Interim heat exchanger |
| | Renovation | Necessary interior wall work for transmitter building |

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

| Auxiliary Antenna | Section | Question | Response |
|----------------------|---------------------------------|--|-----------------------|
| | Existing Antenna Description | Type of change | Purchase |
| | 2000.p.io.i | Antenna Use | Auxiliary (Backup) |
| | | Description of Use | Backup |
| | | Ownership | Owned |
| | | Owner | N/A |
| | | Site | N/A |
| | | Is the existing antenna shared with another station or stations? | No |
| | | Is the existing antenna directional? | No |
| | | Is antenna in operating condition? | Yes |
| | | Is antenna located on or in close proximity to an antenna farm? | No |
| | Existing Antenna | Class | Full Power |
| Μ | Manufacturer and Type | Mounting | Top Mount |
| | | Antenna position in stack | Not in Stat |
| | | Polarization | Horizontal |
| | | Туре | Broadband Panel |
| | | Number of Stations Supported | 1 |
| | | Number of Panels | 32 |
| | | Design power capacity in use | 100.0 % |
| | | Lower Limit | 638.00 MH |
| | | Upper Limit | 644.00 MH |
| | | Other Antenna Type | N/A |
| | | ERP: (Effective Radiated Power) | 631.0 kW |

| Manufacturer | |
|--------------|------------|
| Model | TUP-04-8-1 |
| Year | 1995 |

| Auxiliary | New Antenna Costs | | | |
|-----------|---------------------------------------|--|-----------------------|--|
| Antenna | Section | Question | Response | |
| | New Antenna Description | Use | Auxiliary (Backup) | |
| | | Description of Use | Backup | |
| | | Change Type | Purchase New | |
| | | Is this a request for upgraded equipment? | Yes | |
| | | Ownership | Owned | |
| | | Owner | N/A | |
| | | Is antenna shared? | No | |
| | | Is antenna directional? | No | |
| | | Will antenna be located on or in close proximity to an antenna farm? | No | |
| | New Antenna Manufacturer and Types | Class | Full Power | |
| | | Mounting | Top Mount | |
| | | Antenna position in stack | Not in Stack | |
| | | Polarization | Elliptical | |
| | | Туре | Broadband Panel | |
| | | Number of Stations Supported | 1 | |
| | | Number of Panels/Bays | 32 | |
| | | Lower Limit | 548.00 MHz | |
| | | Upper Limit | 644.00 MHz | |
| | | Design power capacity in use | 100.0 % | |
| | | Other Antenna Type | N/A | |
| | | ERP: (Effective Radiated Power) | 573.0 kW | |
| | | Manufacturer | | |
| | | | | |

| Model | TUA-04-8 /32-H-K-1 |
|-------------------------------|-----------------------|
| Year | 2017 |
| Justification for New Antenna | Current |
| | Dielectric |
| | broadband |
| | antenna is |
| | discontinued |
| | and no |
| | longer |
| | supported |
| | starting in |
| | 1997-1998 |

Auxiliary Other Antenna Costs

| Section | Question | Response | |
|--------------------------------|---|--|--|
| Combiner for Shared 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 | 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? | Broadband | |
| | Feed Line Size | 6 1/8 inches inches | |
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for a high power antenna? | No | |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No | |
| | Combiner for Shared Antenna | Combiner for Shared AntennaDo you need a Combiner for a Shared Antenna?TypeNumber of channels supportedFrequencies of channels supportedFrequencies of channels supportedFrequencyDo you need a combiner output splitter /switcher for dual feed lines?Elbow ComplexDo you require the separate purchase of the Elbow Complex?Broadband or Single Channel?Feed Line SizeSide Mount BracketsDo you require the separate purchase of side mount brackets for a high power antenna?Pattern Scatter AnalysisDo you require separate purchase of pattern scatter analysis for a side mount | |

| Sweep Test | Do you require the sweep testing of | Yes |
|------------|-------------------------------------|-----|
| | transmission line and antenna? | |

| Auxiliary | Other Antenna Cost Not Listed | | |
|-----------|-------------------------------|---|--|
| Antenna | Name | Description | |
| | Top Plate Adapter | Adapter for top of tower to match the bolt pattern of the antenna | |

| Primary | Existing Antenna Information | | | |
|---------|---|--|-------------------------|--|
| Antenna | Section | Question | Response | |
| | Existing Antenna Description | Type of change | Purchase New | |
| | | Antenna Use | Primary (Main) | |
| | | Description of Use | N/A | |
| | | Ownership | Owned | |
| | | Owner | N/A | |
| | | Site | N/A | |
| | | Is the existing antenna shared with another station or stations? | No | |
| | | Is the existing antenna directional? | No | |
| | | Is antenna in operating condition? | Yes | |
| | | Is antenna located on or in close proximity to an antenna farm? | No | |
| | Existing Antenna Manufacturer and Type | Class | Full Power | |
| | | Mounting | Top Mount | |
| | | Antenna position in stack | Not in Stack | |
| | | Polarization | Elliptical | |
| | | Туре | Other | |
| | | 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 | Travelling Wave Slot | |
| | | ERP: (Effective Radiated Power) | 800.0 kW | |
| | | | , | |

| Manufacturer | |
|--------------|---------------------|
| Model | ATW33H3- ETO-42H |
| Year | 2012 |

| Primary | New Antenna Costs | | | |
|---------|---------------------------------------|--|-------------------------|--|
| Antenna | Section | Question | Response | |
| | New Antenna Description | Use | Primary (Main) | |
| | | Description of Use | N/A | |
| | | Change Type | Purchase New | |
| | | Is this a request for upgraded equipment? | No | |
| | | Ownership | Owned | |
| | | Owner | N/A | |
| | | Is antenna shared? | No | |
| | | Is antenna directional? | No | |
| | | Will antenna be located on or in close proximity to an antenna farm? | No | |
| | New Antenna Manufacturer and Types | Class | Full Power | |
| | | Mounting | Top Mount | |
| | | Antenna position in stack | Not in Stack | |
| | | Polarization | Elliptical | |
| | | Туре | Other | |
| | | 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 | Travelling Wave Slot | |
| | | ERP: (Effective Radiated Power) | 650.0 kW | |
| | | Manufacturer | | |
| | | | | |

| Model | TFU-31ETT /VP-R 04 |
|-------------------------------|--|
| Year | 2017 |
| Justification for New Antenna | Current ERI antenna single channel on Ch 42, not compatible with repack Ch 27 |

Other Antenna Costs

Primary Antenna

| Section | Question | Response |
|--------------------------------|---|---------------------------|
| Combiner for Shared 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 | N/A |
| | Do you need a combiner output splitter /switcher for dual feed lines? | N/A |
| Elbow Complex | Do you require the separate purchase of the Elbow Complex? | Yes |
| | Broadband or Single Channel? | Single Channel |
| | Feed Line Size | 6 1/8 inches inches |
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for a high power antenna? | No |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No |

| Sweep Test | Do you require the sweep testing of | Yes |
|------------|-------------------------------------|-----|
| | transmission line and antenna? | |

| Primary | Other Antenna Cost Not Listed | | |
|---------|-------------------------------|---|--|
| Antenna | Name | Description | |
| | Top Plate Adapter | Adapter for the top of the tower to match the bolt pattern of the new antenna | |

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

| Auxiliary | Existing Transmission Line | | | |
|-------------|---|--|-----------------------|--|
| Transmissio | n Section | Question | Response | |
| | Existing Transmission Line Description | Type of change | Purchase New | |
| | | Use | Auxiliary (Backup) | |
| | | Description of Use | Backup | |
| | | 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 | Manufacturer | | |
| | Line Manufacturer and Type | Туре | Rigid | |
| | | Diameter | 6 1/8 inches | |
| | | Other Diameter | N/A | |
| | | Segment Length | 19 1/2 inches | |
| | | Other Segment Length | N/A | |
| | | Number of parallel runs | 1 | |
| | | Length | 1040 feet per run | |

| Auxiliary Transmissio | New Transmission Line | | | |
|--------------------------|--------------------------------|---|---|--|
| | New Transmission Line Costs | Question | Response | |
| | | Use | Auxiliary (Backup) | |
| | | Description of Use | Backup | |
| | | Change Type | Purchase New | |
| | | Is this a request for upgraded equipment? | No | |
| | | Туре | Rigid | |
| | | Diameter | 6 1/8 inches | |
| | | Other Diameter | N/A | |
| | | Segment Length | Broadband | |
| | | Other Segment Length | N/A | |
| | | Number of parallel runs | 1 | |
| | | Length | 1040 feet per run | |
| | | Justification for New Transmission Line | Current 19.5' sections are not compatible with Ch 27 | |

Other Transmission Line Expenses Not Listed Auxiliary Transmission home tion not provided.

| Primary | Existing Transmission Line | | | |
|-------------|---|--|----------------------|--|
| Transmissio | n 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 | Manufacturer | | |
| | Line Manufacturer and Type | Туре | Rigid | |
| | | Diameter | 6 1/8 inches | |
| | | Other Diameter | N/A | |
| | | Segment Length | 19 1/2 inches | |
| | | Other Segment Length | N/A | |
| | | Number of parallel runs | 1 | |
| | | Length | 1035 feet per run | |

| Primary Transmissio | New Transmission Line | | | |
|------------------------|--------------------------------|---|---|--|
| | New Transmission Line Costs | Question | Response | |
| | | Use | Primary (Main) | |
| | | Description of Use | N/A | |
| | | Change Type | Purchase New | |
| | | Is this a request for upgraded equipment? | No | |
| | | Туре | Rigid | |
| | | Diameter | 6 1/8 inches | |
| | | Other Diameter | N/A | |
| | | Segment Length | 20 inches | |
| | | Other Segment Length | N/A | |
| | | Number of parallel runs | 1 | |
| | | Length | 1035 feet per run | |
| | | Justification for New Transmission Line | Current 19.5' sections are not compatible with Ch 27 | |

Other Transmission Line Expenses Not Listed Transmission

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

| ciliary | Existing | Tower |
|---------|----------|-------|
| | | |

| Auxiliary | Existing Tower | | | | |
|-----------|---|---|-----------------------|--|--|
| Tower | Section | Question | Response | | |
| | Existing Tower Description | Type of change | Modify Existing | | |
| | | Tower Use | Auxiliary (Backup) | | |
| | | Description of Use | Backup Tower | | |
| | | 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? | Yes | | |
| | Existing Tower Structure Registration | Do you have a tower registration number? | Yes | | |
| | | ASR Number | 1027597 | | |
| | Coordinates (NAD83 (North American Datum of | Latitude (NAD83) | 41° 36' 19.2" N- | | |
| | 1983)) | Longitude (NAD83) | 086° 12' 45.0" W- | | |
| | | Overall Structure Height | 877.94 feet | | |
| | | Support Structure Height | 839.88 feet | | |
| | | | 1 | | |

| Ground Elevation Above Mean Sea Level (AMSL) | 845.13 feet |
|--|------------------------------------|
| Structure Type | NTOWER - Multiple Structures |
| Tower Owner | Gray Television Group, Inc. |
| Date Constructed | 06/15/2006 |

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 |
|-------------|-----------|---------|
| 41675 | WNDV-FM | FM |
| 70459 | WSND-FM | FM |

Other Types of Users

Users

Amatuer Radio

Auxiliary Tower Modification Costs

| - | | | | | | 1 |
|---|---|---|---|---|---|---|
| T | 0 | v | V | e | r | |

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

Auxiliary Tower Rigging Costs

Tower

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

Auxiliary
Tower Other Tower Expenses Not Listed Name Description Corrosion analysis and ultrasound
measurements Corrosion analysis and ultrasound
measurements of lower 480 feet of auxiliary
tower Level 1 Foundation study Level 1 Foundation study

| Primary | Existing Tower | | | | |
|---------|---|---|------------------------------------|--|--|
| Tower | Section | Question | Response | | |
| | Existing Tower Description | Type of change | Modify Existing | | |
| | | Tower Use | Primary (Main) | | |
| | | Description of Use | N/A | | |
| | | Ownership | Owned | | |
| | | Is this tower consider Complex? | No | | |
| | | Is this tower currently shared with any other stations? | 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? | Yes | | |
| | Existing Tower Structure Registration | Do you have a tower registration number? | Yes | | |
| | | ASR Number | 1027596 | | |
| | Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 41° 36' 20.0" N- | | |
| | | Longitude (NAD83) | 086° 12' 46.0" W- | | |
| | | Overall Structure Height | 1007.86 feet | | |
| | | Support Structure Height | 946.84 feet | | |
| | | Ground Elevation Above Mean Sea Level (AMSL) | 845.13 feet | | |
| | | Structure Type | NTOWER - Multiple Structures | | |
| | | Tower Owner | Gray Television Group, Inc. | | |
| | | | | | |

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 |
|-------------|-----------|---------|
| 41675 | WNDV-FM | FM |

Other Types of Users

| Users | |
|-------|--|
| FBI | |
| ATF | |

Primary Tower Modification Costs

Tower

Tower

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

Primary Tower Rigging Costs

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

| Primary | Other Tower Expenses Not Listed | |
|---------|---------------------------------|-------------|
| Tower | Name | Description |

| Level II Corrosion Risk Assessment | Level II Corrosion Risk Assessment |
|------------------------------------|------------------------------------|
| Level I Corrosion Risk Assessment | Level I Corrosion Risk Assessment |

| Outside Professional | Section | Question | Response |
|-------------------------|--|--|----------------------|
| | Services Costs Outside Project Management Services | Do you require outside project management services? | Yes |
| | | Number of Hours | 900 |
| | | Explanation | Strategic Support |
| | 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 | Yes |
| | | Quantity | 2 |
| | | 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 | Yes |
| | Environmental Assessment | Yes |
| | ASR Modification | Yes |
| | FAA Consultation (including preparation of FAA Form 7460) | Yes |
| | Negotiation of Lease and other Matter for Shared Locations | No |
| | Prepare or Review FCC Form 399 for Reimbursement | Yes |
| | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| RF Field Engineering Services | Comprehensive coverage verification via field study | No |
| | RF exposure measurements | Yes |
| | Additional Field Engineering Service | No |
| | Number of Days | N/A |
| | Justification | N/A |

Other Professional Services Expenses Not Listed Professional Services roopstsided.

| Other Expenses | Section | Question | Response |
|-------------------|---------------------------------|--|----------|
| | AM Pattern Disturbance | Is an Impact Study needed? | Yes |
| | | Is Remediation needed? | Yes |
| | Facility Expenses | Name | N/A |
| | | Other Distributed Transmission System Expenses Not listed | N/A |
| | | Name | N/A |
| | | Is Notification of a Medical Facility required as a result of DTV broadcasting? | Yes |
| | Permit and Filing Costs | Local Zoning | No |
| | | Non-zoning permits | No |
| | | BLM or NFS Coordination | No |
| | | FCC Construction Permit Minor Change | No |
| | | FCC License to Cover Application | Yes |
| | | FCC Special Temporary Authority Application | Yes |
| | 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? | Yes |
| | | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | Yes |
| | | Does this relocation require MVPD Notification of a Channel Change? | Yes |

Other Expenses Not Listed

Expenses Information not provided.

Transmitters

Cost Information

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Co Justificati |
|---|--------------------------------|-------------------|---|-------------|--------------------------|
| Primary Transmitter HPTV-PARLX- U32 | \$1,887,343.29 | \$1,332,775.29 | | \$59,130.55 | |
| Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. | \$62,381.00 | \$62,381.00 | N/A | \$32,126.75 | N/A |
| Renovation | \$16,050.00 | \$16,050.00 | N/A | \$11,716.50 | N/A |
| UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW | \$1,788,000.00 | \$1,233,432.00 | Comark quote P#4034WNDU- PARLX- 170530 | \$0.00 | N/A |
| Transmitter Remote | \$2,990.65 | \$2,990.65 | N/A | \$0.00 | N/A |
| Ice shield | \$2,634.34 | \$2,634.34 | N/A | N/A | N/A |
| Site Survey | \$15,287.30 | \$15,287.30 | See attached Comark invoices | \$15,287.30 | N/A |

| SystemImage: SystemUHF - Liquid Cooled Solid State Transmitter 52 - 61 kW\$1,788,000.00\$1,372,044.00Comark quote P#4034WNDU- DCXP2- 170530\$742,248.37NOther Electrical Service: The new transmitter will reconfiguration of the electrical service on site. The electrical service on site. The electrical service on site. The service on site. The service on site. The electrical service on site. The service on site. The electrical service on site. The service on service o | | | | | | |
|--|--|----------------|----------------|--|----------------|-----|
| SystemImage: SystemSign: System <t< th=""><th>Transmitter HPTV-PARLX-</th><th>\$1,968,900.00</th><th>\$1,524,994.00</th><th></th><th>\$742,248.37</th><th></th></t<> | Transmitter HPTV-PARLX- | \$1,968,900.00 | \$1,524,994.00 | | \$742,248.37 | |
| Cooled Solid State Transmitter 52 - 61 kWP#4034WNDU- | | \$140,000.00 | \$140,000.00 | N/A | N/A | N/A |
| Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.\$10,950.00See quote from Ideal Consolidated Inc. for 10 ton systemN/AN/A10 Ton system\$38,900.00\$10,950.00See quote from Ideal Consolidated Inc. for 10 ton systemN/AN/ASub-total\$3,856,243.29\$2,857,769.29N/A\$801,378.92N/ATotal for all\$7,845,930.29\$6,450,141.88N/A\$1,655,768.89N/A | Cooled Solid State Transmitter 52 | \$1,788,000.00 | \$1,372,044.00 | P#4034WNDU- DCXP2- 170530 Comark quote P#4034WNDU- PARLX- | \$742,248.37 | N/A |
| from Ideal Consolidated Inc. for 10 ton system Consolidated Inc. for 10 ton system Sub-total \$3,856,243.29 \$2,857,769.29 N/A \$801,378.92 N/A Total for all \$7,845,930.29 \$6,450,141.88 N/A \$1,655,768.89 N/A | Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical | \$2,000.00 | \$2,000.00 | N/A | N/A | N/A |
| Total for all \$7,845,930.29 \$6,450,141.88 N/A \$1,655,768.89 N/A | 10 Ton system | \$38,900.00 | \$10,950.00 | from Ideal Consolidated Inc. for 10 ton | N/A | N/A |
| | Sub-total | \$3,856,243.29 | \$2,857,769.29 | N/A | \$801,378.92 | N/A |
| | | \$7,845,930.29 | \$6,450,141.88 | N/A | \$1,655,768.89 | N/A |

| Actual Information Description | File Name | |
|---|-----------------------------------|--|
| Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on | Component Description: Amount: | Run code compliant power \$6,313.00 |
| verbal guidance from local electrical contractors. | Component Description: Amount: | Add 1200A neutral per Quote #S21-1018 \$25,813.75 |
| Renovation | Component Description: | Trane/American Standard Cooling Units |
| | Amount: | \$11,716.50 |
| UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW | Component Description: Amount: | System, WNDU U32 D27 PH2 \$466,197.88 |
| Transmitter Remote | Component Description: Amount: | Remote control New 1st Primary Transmitter \$2,842.77 |
| Ice shield | Information not provided. | |
| Site Survey | Component Description: Amount: | Site Survey \$7,980.00 |
| | Component Description: Amount: | Basic Site Survey \$7,307.30 |
| Internal RF System | Information not provided. | |

| UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW | Component Description: Amount: | 306 Commercial Chain Link \$875.99 |
|--|-----------------------------------|--|
| | Component Description: Amount: | New Auxiliary Transmitter \$476,989.97 |
| | Component Description: Amount: | System, WNDU U32 D42 PH1 \$742,248.37 |
| Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. | Information not provided. | |
| 10 Ton system | Information not provided. | |

Antennas

Cost Information

| Description Primary Antenna TFU-31ETT /VP-R 04 | Predetermined Cost Estimate \$313,550.00 | Estimated Cost \$313,688.00 | Estimated Cost Justification | Actual Cost \$66,101.99 | Actual Cost Justification |
|---|--|-----------------------------------|------------------------------------|----------------------------|------------------------------|
| UHF - High Power Top Mount One Station antenna elliptically or circularly polarized | \$275,000.00 | \$275,000.00 | Catalog Cost | \$56,429.99 | N/A |
| Top Plate Adapter | \$19,520.00 | \$19,520.00 | N/A | \$4,880.00 | N/A |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | \$12,300.00 | \$12,768.00 | JEHQ1248- 02 | \$3,192.00 | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$1,600.00 | N/A |
| Auxiliary Antenna TUA-04-8 /32-H-K-1 | \$329,450.00 | \$194,513.44 | | \$127,338.01 | |

| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00 | \$155,825.44 | N/A | \$96,387.61 | N/A |
|--|----------------|----------------|-----|----------------|-----|
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$5,120.00 | N/A |
| Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed) | \$13,700.00 | \$12,768.00 | N/A | \$10,214.40 | N/A |
| Top Plate Adapter | \$19,520.00 | \$19,520.00 | N/A | \$15,616.00 | N/A |
| Sub-total | \$643,000.00 | \$508,201.44 | N/A | \$193,440.00 | N/A |
| Total for all systems | \$7,845,930.29 | \$6,450,141.88 | N/A | \$1,655,768.89 | N/A |

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

| UHF - High Power Top Mount One Station antenna elliptically or circularly | Component Description: | UHF-High Power Top Mount (200- | | |
|---|-----------------------------------|--|--|--|
| polarized | Amount: | 1000KW) \$67,715.99 | | |
| | Component Description: Amount: | UHF- High Power Top Mount (200- 1000KW) \$56,429.99 | | |
| Top Plate Adapter | | | | |
| | Component Description: | Top plate adapter, New Primary Antenna | | |
| | Amount: | \$5,856.00 | | |
| | Component Description: | Top Plate Adapter New | | |
| | Amount: | Primary Antenna \$4,880.00 | | |
| Elbow complex, single | | | | |
| channel, at antenna input, per 6 1/8. feedline (if needed) | Component Description: | Elbow complex, New Primary Antenna | | |
| | Amount: | \$3,830.40 | | |
| | Component Description: | Elbow Complex New Primary Antenna | | |
| | Amount: | \$3,192.00 | | |

| Sweep test of existing antenna | Component Description: Amount: | Sweep test, New Primary Antenna \$1,920.00 |
|---|-----------------------------------|--|
| | Component Description: Amount: | Sweep Test New Primary Antenna \$1,600.00 |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | Component Description: | UHF Broadband Panel Top mount Aux/Interim TV |
| | Amount: | Antenna \$36,145.35 |
| | Component Description: Amount: | New Auxiliary Antenna \$30,121.13 |
| | Component Description: Amount: | New Auxiliary Antenna \$30,121.13 |

| Sweep test of existing antenna | | |
|--|------------------------|--|
| | Component Description: | Auxiliary/Interim Antenna Sweep Test |
| | Amount: | \$1,600.00 |
| | Component Description: | Auxiliary/Interim Antenna Sweep Test |
| | Amount: | \$1,600.00 |
| | Component Description: | Sweep Test Auxiliary/Interim Antenna |
| | Amount: | \$1,920.00 |
| Elbow complex, broadband, | | |
| at antenna input, per 6 1/8. feedline (if needed) | Component Description: | Auxiliary/Interim Antenna Elbow |
| | Amount: | Complex \$3,830.40 |
| | Component Description: | Auxiliary/Interim Antenna - Elbow |
| | Amount: | Complex \$3,192.00 |
| | Component Description: | Auxiliary/Interim Antenna - Elbow |
| | | Complex |

| Top Plate Adapter | | |
|-------------------|------------------------|---|
| | Component Description: | Auxiliary/Interim Antenna Top Plate Adapter |
| | Amount: | \$5,856.00 |
| | Component Description: | Auxiliary/Interim Antenna Top Plate Adapter |
| | Amount: | \$4,880.00 |
| | Component Description: | Auxiliary/Interim Antenna Top Plate Adapter |
| | Amount: | \$4,880.00 |

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 Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|--------------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Primary Transmission Line | \$209,070.00 | \$152,101.30 | | \$38,025.31 | |
| Rigid Transmission Line - copper, 6 1/8" | \$209,070.00 | \$152,101.30 | N/A | \$38,025.31 | N/A |
| Auxiliary Transmission Line | \$241,280.00 | \$190,905.35 | | \$151,763.50 | |
| Rigid Transmission Line - copper, 6 1 /8" broadband | \$241,280.00 | \$190,905.35 | N/A | \$151,763.50 | N/A |
| Sub-total | \$450,350.00 | \$343,006.65 | N/A | \$189,788.81 | N/A |
| Total for all systems | \$7,845,930.29 | \$6,450,141.88 | N/A | \$1,655,768.89 | N/A |

| Actual Information Description | File Name | |
|---|-----------------------------------|---|
| Rigid Transmission Line - copper, 6 1/8" | Component Description: Amount: | New Primary Transmission Line \$45,630.38 |
| | Component Description: Amount: | New Primary Transmission Line \$38,025.31 |

| Rigid Transmission Line - copper, 6 1/8" broadband | Component Description: | Auxiliary/Interim Transmission Line |
|---|------------------------|--|
| | Amount: | \$47,426.09 |
| | Component Description: | Auxiliary/Interim Transmission Line |
| | Amount: | \$47,426.09 |
| | Component Description: | Interim |
| | Amount: | Transmission Line \$56,911.32 |
| | | |

Tower Equipment and Rigging Costs

Cost Information

| | | | Entimeted | | |
|--|--------------------------------|-------------------|------------------------------------|--------------|------------------------------|
| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
| Primary Tower NTOWER | \$1,280,600.00 | \$1,214,087.50 | | \$92,024.75 | |
| Serious tower reinforcement /modifications | \$1,052,000.00 | \$1,000,000.00 | N/A | \$80,687.25 | N/A |
| Level II Corrosion Risk Assessment | \$4,750.00 | \$4,750.00 | N/A | \$2,750.00 | N/A |
| Level I Corrosion Risk Assessment | \$750.00 | \$750.00 | N/A | N/A | N/A |
| Tall Tower (greater than 500') | \$210,500.00 | \$200,000.00 | N/A | N/A | N/A |
| Structural engineering tower load study for well documented tower | \$12,600.00 | \$8,587.50 | N/A | \$8,587.50 | N/A |
| Auxiliary Tower NTOWER | \$1,281,650.00 | \$1,214,250.00 | | \$309,581.25 | |
| Tall Tower (greater than 500') | \$210,500.00 | \$200,000.00 | N/A | \$180,500.00 | N/A |
| Serious tower reinforcement /modifications | \$1,052,000.00 | \$1,000,000.00 | N/A | \$115,581.25 | N/A |

| Level 1 Foundation study | \$750.00 | \$750.00 | N/A | \$0.00 | N/A |
|--|----------------|----------------|---|----------------|-----|
| Corrosion analysis and ultrasound measurements | \$5,800.00 | \$5,800.00 | See attached invoice and purchase order 072617TD | \$5,800.00 | N/A |
| Structural engineering tower load study for well documented tower | \$12,600.00 | \$7,700.00 | Additional official stamped tower analysis required because of the addition of radomes to aux antenna, radomes required to reduce wind loading and meet tower loading. | \$7,700.00 | N/A |
| Sub-total | \$2,562,250.00 | \$2,428,337.50 | N/A | \$401,606.00 | N/A |
| Total for all systems | \$7,845,930.29 | \$6,450,141.88 | N/A | \$1,655,768.89 | N/A |

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

| Serious tower reinforcement | | |
|-----------------------------|------------------------|---------------------|
| /modifications | Component Description: | Perform sub- |
| | | surface soil |
| | | evaluation on |
| | | towers - |
| | | Mobilization |
| | Amount: | \$5,696.50 |
| | | |
| | Component Description: | 75% costs of |
| | | Tower |
| | | Reinforcement |
| | | /Modification on |
| | | 945ft Tower |
| | | (Primary) |
| | Amount: | \$56,283.94 |
| | | |
| | Component Description: | Tower |
| | | reinforcement & |
| | | design drawings |
| | | Existing Primary |
| | | Tower |
| | Amount: | \$2,750.00 |
| | Component Description: | Perform sub- |
| | component Description. | surface soil |
| | | evaluation on |
| | | towers - Laboratory |
| | | Services |
| | Amount: | \$2,892.00 |
| | | |
| | Component Description: | Tower |
| | • • | reinforcement. |
| | | /Modifications- |
| | | Primary Tower |
| | Amount: | \$18,761.31 |
| | | |

| Level II Corrosion Risk Assessment | | |
|---------------------------------------|-------------------------------|--------------------|
| Assessment | Component Description: | Corrosion |
| | | inspection and |
| | | Ultrasound |
| | | measurements |
| | Amount: | \$2,750.00 |
| Level I Corrosion Risk Assessment | Information not provided. | |
| Assessment | | |
| Tall Tower (greater than 500') | Information not provided. | |
| Structural engineering | | |
| tower load study for well | Component Description: | Structural |
| documented tower | | Engineering Tow |
| | | Load study |
| | Amount: | \$1,000.00 |
| | | |
| | Component Description: | Take |
| | | measurements fo |
| | | tower modification |
| | | and record |
| | Amount | elevations |
| | Amount: | \$2,137.50 |
| | Component Description: | Structural |
| | | Engineering Tow |
| | | Load study - |
| | | Primary Tower |
| | Amount: | \$5,450.00 |

| Tall Tower (greater than 500') | Component Description: | Aux TWR Rigging, Antenna & Complete Feedline | | |
|---|---------------------------|---|--|--|
| | Amount: | Removal \$133,000.00 | | |
| | Component Description: | AUX TWR Rigging, Antenna & Complete feedline | | |
| | Amount: | removal \$47,500.00 | | |
| Serious tower reinforcement /modifications | Component Description: | Tower reinforcement & | | |
| | | design drawings Existing Auxiliary Tower | | |
| | Amount: | \$2,750.00 | | |
| | Component Description: | 75% costs Tower Reinforcement /Modification on 840ft Tower | | |
| | Amount: | (Auxiliary) \$79,771.50 | | |
| | Component Description: | Tower Reinforcement /Modification of Auxiliary Tower | | |
| | Amount: | \$26,590.50 | | |
| | Component Description: | Tower Resocket on Level 6 B&C anchor points | | |
| | Amount: | Auxiliary Tower \$6,469.25 | | |
| Level 1 Foundation study | Information not provided. | | | |

| Corrosion analysis and ultrasound measurements | Component Description: Amount: | Corrosion inspection and Ultrasound measurements - Primary Tower \$2,900.00 |
|---|---|---|
| | Component Description: | Corrosion inspection and Ultrasound measurements of tower legs in preparation for design and application of reinforcing required for re-pack tower modifications. \$2,900.00 |
| Structural engineering tower load study for well documented tower | Component Description: Amount: Component Description: | Structural Analysis \$2,250.00 Structural Analysis |
| | Amount: | of Auxiliary Tower \$5,450.00 |

Outside Professional Services

Cost Information

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|--------------------------------|-------------------|------------------------------------|-------------|------------------------------|
| Outside Professional Services | \$221,265.00 | \$209,250.00 | | \$67,409.85 | |
| Project management of the transition | \$142,200.00 | \$135,000.00 | N/A | \$60,260.85 | N/A |
| RF Exposure Measurements | \$21,050.00 | \$20,000.00 | N/A | N/A | N/A |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | \$2,105.00 | \$2,000.00 | N/A | \$325.00 | N/A |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | \$10,520.00 | \$10,000.00 | N/A | N/A | N/A |
| NEPA Section 106 environmental review, if needed | \$6,310.00 | \$6,000.00 | N/A | N/A | N/A |

| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | \$2,365.00 | \$2,250.00 | N/A | N/A | N/A |
|--|------------|------------|-----|------------|-----|
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | \$4,210.00 | \$4,000.00 | N/A | \$1,327.50 | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | N/A | \$196.50 | N/A |
| Prepare request for Special Temporary Authorization | \$4,100.00 | \$3,000.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |

| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
|---|------------|------------|-----|------------|-----|
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | \$2,105.00 | \$2,000.00 | N/A | \$800.00 | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | \$1,625.00 | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | \$2,875.00 | N/A |
| ASR modification (prepare FCC Form 854) | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00 | \$2,500.00 | N/A | N/A | N/A |

| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | N/A | N/A |
|---|----------------|----------------|-----|----------------|-----|
| Sub-total | \$221,265.00 | \$209,250.00 | N/A | \$67,409.85 | N/A |
| Total for all systems | \$7,845,930.29 | \$6,450,141.88 | N/A | \$1,655,768.89 | N/A |

| Actual Information Description | File Name | |
|--------------------------------------|-----------------------------------|-------------------------------------|
| Project management of the transition | Component Description: Amount: | Project Management \$28.20 |
| | Component Description: Amount: | Project Management \$2,725.85 |
| | Component Description: Amount: | Project Management \$2,813.80 |
| | Component Description: Amount: | Project management \$2,817.65 |
| | Component Description: Amount: | Project Management \$3,593.55 |
| | Component Description: | Project Management |

| Component Description: Amount: | Project Management \$4,083.75 |
|-----------------------------------|-------------------------------------|
| Component Description: Amount: | Project Management \$3,752.30 |
| Component Description: Amount: | Project Management \$1,813.95 |
| Component Description: Amount: | Project management \$2,471.90 |
| Component Description: Amount: | Project Management \$2,411.25 |
| Component Description: Amount: | Project Management \$2,461.65 |
| Component Description: Amount: | Project Management \$2,403.10 |
| Component Description: Amount: | Project managment \$1,553.55 |
| Component Description: Amount: | Project Management \$2,547.60 |

| Component Description: Amount: | Project Management \$2,876.70 |
|--|--|
| Component Description: Amount: | Project Management \$755.80 |
| Component Description: Amount: | Project Management \$3,645.85 |
| Component Description: | Transition Related Project Management Costs |
| Amount: Component Description: Amount: | \$4,050.00 Project Management \$2,471.50 |
| Component Description: | Project Management \$3,495.95 |
| Component Description: Amount: | Project Management \$3,558.10 |
| Component Description: Amount: | Project Management \$2,668.05 |
| Component Description: Amount: | Project Management \$802.25 |

| RF Exposure Measurements | Information not provided. | |
|--|-----------------------------------|--|
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | Component Description: Amount: | Provide response to FAA project status request \$325.00 |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | Information not provided. | |
| NEPA Section 106 environmental review, if needed | Information not provided. | |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. | |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | Component Description: Amount: | Professional Services \$1,327.50 |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Component Description: Amount: | Complete and file repack CP application \$196.50 |
| Prepare request for Special Temporary Authorization | Information not provided. | |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | Information not provided. | |
| Prepare engineering section of FCC Form 2100 (main), | Information not provided. | |

| RF Consulting Engineer Fees- Aux Antenna: | Component Description: | Develop final |
|---|-------------------------------|-------------------------------------|
| Prepare engineering section of FCC Form 2100, | | technical |
| Construction Permit | | parameters for auxiliary antenna |
| Application | Amount: | \$800.00 |
| | | |
| Prepare engineering section of FCC Form 2100 (main), | | |
| Construction Permit | Component Description: | FCC CP application |
| Application | Amount: | \$1,625.00 |
| | | • , |
| Perform engineering study | | |
| for new channel assignment | Component Description: | Perform |
| and antenna development | | engineering study |
| | | for new channel |
| | Amount: | assignment \$1,950.00 |
| | | |
| | Component Description: | Review technical |
| | | details of alternat |
| | | antenna proposal |
| | | from RFS |
| | | regarding top- mount on repack |
| | | Ch-27. |
| | Amount: | \$125.00 |
| | | |
| | Component Description: | Engineering Stud |
| | | for New Channel Assignment |
| | Amount: | \$800.00 |
| | | |
| ASR modification (prepare FCC Form 854) | Information not provided. | |
| · | | |
| Address transition timing and coordination issues w/ | Information not provided. | |
| other stations and wireless | | |
| Deserves and serves from | Information not provided. | |
| Prepare and or review reimbursement form | | |

Other Expenses

Cost Information

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cos Justificatio |
|---|--------------------------------|--|------------------------------------|-------------|----------------------------|
| Other Expenses | \$112,822.00 | \$103,577.00 | | \$2,145.31 | |
| MVPD Notification of Channel Change | \$1,500.00 | \$1,500.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | \$11,500.00 | \$11,500.00 | N/A | N/A | N/A |
| Equipment Storage | \$6,140.00 | \$6,140.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | \$8,929.00 | \$8,929.00 | N/A | \$0.00 | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | \$43,733.00 | \$43,733.00 See attached \$0.00 Comark quote P#4034WNDU- PARLX- 170530 for disposal costs for existing main and auxiliary transmitters See attached TecServ quote for removal & disposal of transmitter coolant | | \$0.00 | N/A |

| FCC Filing Fees - Special Temporary Authorization request | \$195.00 | \$190.00 | N/A | N/A | N/A |
|---|----------------|----------------|---|----------------|-----|
| FCC Filing Fees - Form 2100 license to cover application | \$335.00 | \$325.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$4,260.00 | N/A | N/A | N/A |
| AM Pattern Disturbance Impact study | \$7,890.00 | \$7,000.00 | A study will be require for each tower, the auxiliary tower and the primary tower @ \$3,500 per study. | \$2,145.31 | N/A |
| AM Pattern Disturbance Remedy | \$21,050.00 | \$20,000.00 | N/A | N/A | N/A |
| Sub-total | \$112,822.00 | \$103,577.00 | N/A | \$2,145.31 | N/A |
| Total for all systems | \$7,845,930.29 | \$6,450,141.88 | N/A | \$1,655,768.89 | N/A |

| Actual Information Description | File Name |
|---|---------------------------|
| MVPD Notification of Channel Change | Information not provided. |
| Develop and air announcement of upcoming channel change | Information not provided. |
| Equipment Storage | Information not provided. |

| Equipment Delivery and Handling Charges | Component Description: Amount: | Equipment Delivery and Handling Charges \$3,125.15 |
|--|-----------------------------------|---|
| Disposal Costs (for equipment and other waste, net of any salvage value) | Component Description: Amount: | Disposal Costs (for equipment and other waste, net of any salvage value) \$10,000.20 |
| FCC Filing Fees - Special Temporary Authorization request | Information not provided. | |
| FCC Filing Fees - Form 2100 license to cover application | Information not provided. | |
| DTV Medical Facility Notification | Information not provided. | |
| AM Pattern Disturbance Impact study | Component Description: Amount: | Check phase monitor and power, measure the daytime MP's, measure the nighttime MP's, report \$2,145.31 |
| | Component Description: Amount: | As part of the construction Permit for WNDU \$1,846.32 |
| AM Pattern Disturbance Remedy | Information not provided. | |

| Cost | Grand Total | | | |
|-------------|-----------------------|--------------------------------|----------------|----------------|
| Information | | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
| | Total for all systems | \$7,845,930.29 | \$6,450,141.88 | \$1,655,768.89 |

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

| Certification | Section | Question | Response |
|---------------|--|---|----------|
| | Submission of Estimated Expenses Statements | 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. | |
| | | 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. 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).
- The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

| 8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested. | |
|---|---|
| I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above. | Robert J. Folliard , III Assistant Secretary 03/25/2019 |

| Certification | Section | Question | Response |
|---------------|--|--|----------|
| Certification | Submission of Actual Cost Documentation Statements | WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733). | |
| | | The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. | |
| | | 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. | |
| | | 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. | |
| | | | |

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

| | The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. | |
|------------------|---|---|
| 9. | The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested. | |
| an auth named | re, under penalty of perjury, that I am horized representative of the above- I applicant for the Authorization(s) ed above. | Robert J. Folliard , III Assistant Secretary 03/25/2019 |

Attachments

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