



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **10802** | Service: **DTV** | Call **WTTW** | Channel: **47 (UHF)**
ID: | Sign:
File **0000028360**
Number:
FRN: **0002860179** | Date **03/13**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|--|---|-------------------|-------------------|----------------|
| WINDOW TO THE WORLD COMMUNICATIONS, INC. Doing Business As: WINDOW TO THE WORLD COMMUNICATIONS, INC. | Eshed Halpern 5400 NORTH ST. LOUIS AVE CHICAGO, IL 60625 United States | +1 (773) 509-5412 | ehalpern@wttw.com | Not-for-Profit |

Reimbursement Contact Information

Reimbursement Contact Name and Information

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

Preparer Contact Information

Preparer Contact Name and Information

| Applicant | Address | Phone | Email |
|--|---|-------------------|-------------------|
| Mike Tompary <i>Window to the World Communications, Inc.</i> | 5400 N. St. Louis Ave Chicago, IL 60625 United States | +1 (773) 509-2460 | mtompary@wttw.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 | Replace aux transmitter with new transmitter and place on air. Replace main transmitter and antenna and place on air at end of phase six. Reconfigure aux and antenna and place into standby. |

Transmitters

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

**Auxiliary
Transmitter****Existing Transmitter Information**

| Section | Question | Response |
|---|---|---|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | For backup if main transmitter fails |
| | 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 | Sigma CD Diamond Drive |
| | Year | 2001 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Single |
| | Power Capacity | 24 kW |

**Auxiliary
Transmitter****New Transmitter Costs**

| Section | Question | Response |
|------------------------|---|---|
| New Transmitter | Use | Auxiliary (Backup) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Manufacturer | |
| | Model | ULXTE-20 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 10.8 kW |
| | Justification for New Transmitter | Due to channel reassignment need lower power transmitter and new exciters. |

**Auxiliary
Transmitter****Other Transmitter Costs**

| Section | Question | Response |
|---------------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | No |

| | | |
|--|---|-----|
| | Description | N/A |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Auxiliary Transmitter **Other Transmitter Cost Not Listed**
Information not provided.

**Primary
Transmitter****Existing Transmitter Information**

| Section | Question | Response |
|---|--|------------------------------|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this transmitter currently shared with another station? | No |
| | Is this transmitter currently in operating condition? | Yes |
| Existing Transmitter Manufacturer and Type | Manufacturer | |
| | Model | Sigma CD Diamond Drive |
| | Year | 2001 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Single |
| | Power Capacity | 24 kW |

**Primary
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|------------------------|---|--|
| New Transmitter | Use | Primary (Main) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Manufacturer | |
| | Model | ULXTE-20 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 10.8 kW |
| | Justification for New Transmitter | Due to channel reassignment need lower power transmitter and new excitors. |

**Primary
Transmitter**

Other Transmitter Costs

| Section | Question | Response |
|---------------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |

| | | |
|--|---|---|
| | Description | Electricians to remove old equipment and install new equipment. Relocate or remove and reinstall all electric work. To remove existing and hang new transmission line. To remove offsite all old equipment. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Cooling Only |
| | Size | 20 tons |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Primary Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|------|-------------|
|------|-------------|

| | |
|------------------------------|--|
| Great Lakes Plumbing | GL Plumbing to connect cooling system to building water |
| Installation Services | Removing and installing transmission lines |
| Great Lakes Plumbing | Remove and install two 10 ton A/C units |
| Burk Technology | Burk Technology ARC Plus Touch IP-based transmitter remote control |

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 | Retune Existing |
| | Antenna Use | Auxiliary (Backup) |
| | Description of Use | Used as backup if main antenna fails |
| | 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 | Middle |
| | Polarization | Horizontal |
| | Type | Broadband Panel |
| | Number of Stations Supported | 7 |
| | Number of Panels | 8 |

| | |
|---------------------------------|------------|
| Design power capacity in use | 100.0 % |
| Lower Limit | 470.00 MHz |
| Upper Limit | 700.00 MHz |
| Other Antenna Type | N/A |
| ERP: (Effective Radiated Power) | 300.0 kW |
| Manufacturer | RFS |
| Model | PHP24C |
| Year | 2004 |

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

| Facility ID | Call Sign |
|-------------|-----------|
| 10981 | WCPX-TV |
| 22211 | WFLD |
| 32334 | WJYS |
| 47905 | WMAQ-TV |
| 71428 | WCIU-TV |
| 72115 | WGN-TV |

Auxiliary Antenna

Adjustment to Existing Antenna

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

Auxiliary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|--|----------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | No |

| | |
|-----------------------------------|-----|
| Type | |
| Number of channels supported | N/A |
| Frequencies of channels supported | N/A |
| Frequency | |

**Auxiliary
Antenna**

Other Antenna Cost Not Listed

| Name | Description |
|-----------------|---|
| East RFS System | See Willis Tower Preliminary Budget Overview East RFS System |

**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? | 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 | Middle |
| | Polarization | Horizontal |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels | N/A |
| | Design power capacity in use | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 300.0 kW |

| | |
|--------------|-------------------------|
| Manufacturer | |
| Model | ATW13H4 - HSC1 - 47S |
| Year | 2001 |

**Primary
Antenna**

New Antenna Costs

| Section | Question | Response |
|---|--|--------------------|
| New Antenna Description | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | Yes |
| | Is antenna directional? | Yes |
| | 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 | Middle |
| | Polarization | Elliptical |
| | Type | Broadband Panel |
| | Number of Stations Supported | 2 |
| | Number of Panels/Bays | 24 |
| | Lower Limit | 488.00 MHz |
| | Upper Limit | 608.00 MHz |
| | Design power capacity in use | 100.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 193.0 kW |
| | Manufacturer | |
| Model | PEPL24C | |

| | |
|-------------------------------|----------------------------------|
| Year | 2017 |
| Justification for New Antenna | Channel reassignment from repack |

Primary 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 | 488.0 MHz - 608.0 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? | No |
| | Broadband or Single Channel? | N/A |
| | Feed Line Size | N/A |
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for a high power antenna? | Yes |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | Yes |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

**Primary
Antenna**

Other Antenna Cost Not Listed

| Name | Description |
|---------------------------------------|--|
| Outside Project Management | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Structural Engineering | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Permitting | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Antenna Delivery to Willis | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Transmission Line Mounts | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Radome Modifications | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Antenna Freight | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Tower Modifications | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Transmission Line Installation | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Combiner Module | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| RFR Measurements | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Combiner Delivery to Willis | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |

| | |
|--|--|
| Antenna Mounts | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Combiner Room Construction | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Internal Transmission Line | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Antenna Installation and Commissioning | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Transmission Line | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Combiner Installation and Commissioning | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Equipment Storage | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| RF Safety Coordination | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Combiner Freight | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |
| Combiner Spine | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System |

**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 | Use if main line fails |
| | 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 | Rigid |
| | Diameter | 4 1/16 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 100 feet per run |

**Auxiliary
Transmission
Line**

New Transmission Line

| Section | Question | Response |
|------------------------------------|---|--|
| New Transmission Line Costs | Use | Auxiliary (Backup) |
| | Description of Use | Use if main fails |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Type | Rigid |
| | Diameter | 6 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 100 feet per run |
| | Justification for New Transmission Line | Additional power to antenna. See exhibit attached page 6 |

**Auxiliary
Transmission
Line**

Other Transmission Line Expenses Not Listed

| Name | Description |
|----------------------------|--|
| Electrician Hanging | Electrician to hang and remove old transmission lines. |

**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 | Rigid |
| | Diameter | 4 1/16 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 100 feet per run |

**Primary
Transmission
Line** **New 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 | 6 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 100 feet per run |
| | Justification for New Transmission Line | Additional power to antenna. See exhibit attached page 6 |

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

| Name | Description |
|----------------------------|--|
| Electrician Hanging | Electrician to hang and remove old transmission line |

Tower Equipment And Rigging Costs

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

Auxiliary Tower

Existing Tower

| Section | Question | Response |
|---|---|-------------------------|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Auxiliary (Backup) |
| | Description of Use | Use if main tower fails |
| | Ownership | Leased |
| | Is this tower consider Complex? | Located on Building |
| | 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 | 1032960 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 41° 52' 44.0" N- |
| | Longitude (NAD83) | 087° 38' 08.0" W- |
| | Overall Structure Height | 1722.09 feet |
| | Support Structure Height | 1435.35 feet |

| | |
|--|----------------------------|
| Ground Elevation Above Mean Sea Level (AMSL) | 595.14 feet |
| Structure Type | BMAST - Building with Mast |
| Tower Owner | 233 Broadcast, LLC |
| Date Constructed | 09/30/2012 |

**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 |
|-------------|-----------|---------|
| 48772 | WPWR-TV | DTV |
| 9613 | WBBM-FM | FM |
| 66978 | WEDE-CD | DTV |
| 9617 | WBBM-TV | DTV |
| 22211 | WFLD | DTV |
| 74178 | WKSC-FM | FM |
| 47906 | KNBC | DTV |
| 71428 | WCIU-TV | DTV |
| 28621 | WBMX | FM |
| 51165 | WGCI-FM | FM |
| 73226 | WLS-TV | DTV |
| 70119 | WSNS-TV | DTV |
| 32334 | WJYS | DTV |
| 72115 | WGN-TV | DTV |
| 71283 | WCFS-FM | FM |
| 73228 | WLS-FM | FM |

| | | |
|--------|---------|-----|
| 70042 | WLIT-FM | FM |
| 6377 | WTMX | FM |
| 71425 | WWME-CD | DTV |
| 168662 | WMEU-CD | DTV |
| 10981 | WCPX-TV | DTV |
| 10802 | WTTW | DTV |
| 10801 | WFMT | FM |
| 53971 | WEBG | FM |

Auxiliary Tower

Tower Modification Costs

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

Auxiliary Tower

Tower Rigging Costs

| Section | Question | Response |
|-------------------------------------|-----------------------------------|---------------------|
| Tower Rigging Costs | Complex Tower | Located on Building |
| Helicopter Services Required | Are helicopter services required? | No |

Auxiliary Tower

Other Tower Expenses Not Listed

Information not provided.

Primary Tower

Existing Tower

| Section | Question | Response |
|--|---|----------------------------|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Leased |
| | Is this tower consider Complex? | Located on Building |
| | 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 | 1032959 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 41° 52' 44.1" N- |
| | Longitude (NAD83) | 087° 38' 10.2" W- |
| | Overall Structure Height | 1729.97 feet |
| | Support Structure Height | 1435.35 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 595.14 feet |
| | Structure Type | BTWR - Building with Tower |

| | | |
|--|------------------|--------------------------|
| | Tower Owner | 233 Broadcast, LLC |
| | Date Constructed | 01/01/2002 |

**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 |
|-------------|-----------|---------|
| 168662 | WMEU-CD | DTV |
| 22211 | WFLD | DTV |
| 71428 | WCIU-TV | DTV |
| 10981 | WCPX-TV | DTV |
| 10801 | WFMT | FM |
| 73226 | WLS-TV | DTV |
| 71425 | WWME-CD | DTV |
| 70119 | WSNS-TV | DTV |
| 70042 | WLIT-FM | FM |
| 47906 | KNBC | DTV |
| 9617 | WBBM-TV | DTV |
| 9613 | WBBM-FM | FM |
| 10802 | WTTW | DTV |
| 32334 | WJYS | DTV |
| 28621 | WBMX | FM |
| 72115 | WGN-TV | DTV |
| 51165 | WGCI-FM | FM |
| 53971 | WEBG | FM |
| 48772 | WPWR-TV | DTV |

| | | |
|-------|---------|-----|
| 6377 | WTMX | FM |
| 71283 | WCFS-FM | FM |
| 74178 | WKSC-FM | FM |
| 73228 | WLS-FM | FM |
| 66978 | WEDE-CD | DTV |

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

| Section | Question | Response |
|-------------------------------------|-----------------------------------|---------------------|
| Tower Rigging Costs | Complex Tower | Located on Building |
| Helicopter Services Required | Are helicopter services required? | Yes |

Primary Tower

Other Tower Expenses Not Listed

| Name | Description |
|---|---|
| WTTW Transmission Line Removal to Smoke Shaft | Estimated 5 nights of work to complete. |
| SW Pole Decommission Prep. Work RF Safety Coord. | RF safety coordination for SW pole decom. prep work |
| WTTW Antenna Removal Engineering | Antenna Removal Engineering |
| WTTW Antenna Removal RF Safety Coordination | Antenna Removal RF Safety Coordination |

| | |
|--|---|
| Willis Tower Project Management | Willis Tower Project Management |
| SW Pole Decommission Engineering | Pole Decommission Engineering |
| WTTW T L Removal RF Safety Coordination | RF safety coordination during line removal to shaft |
| SW Pole Material Removal and Disposal | Removal and disposal of remaining SW pole material |
| WTTW T L Removal to 100 in smoke shaft | Removal of line in shaft from 109 to 100. |
| WTTW Antenna Removal | Helicopter not required. Estimated 4 nights. |
| SW Pole Decommission Preparation Work | Estimated 10 nights of work for preparation. |

Outside Professional Services Costs

| Section | Question | Response |
|---|--|---|
| Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 500 |
| | Explanation | Outside services, such as legal, engineering, consultant. |
| Outside RF consulting Engineering Services | Perform engineering study for new channel assignment and antenna development | No |
| | Prepare engineering section of Form FCC Construction Permit Application | No |
| | For Auxiliary Facility | N/A |
| | For Main Facility | N/A |
| | Prepare engineering section of Form FCC License to Cover Application | No |
| | For Auxiliary Facility | N/A |
| | For Main Facility | N/A |
| | Prepare request for Special Temporary Authority | No |
| | Quantity | N/A |
| | 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 | No |
| | For Auxiliary Facility | N/A |
| | For Main Facility | N/A |
| | 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 | No |
| | FAA Consultation (including preparation of FAA Form 7460) | No |
| | Negotiation of Lease and other Matter for Shared Locations | No |
| | Prepare or Review FCC Form 399 for Reimbursement | Yes |
| | Address transition timing and coordination issues w/ other stations and wireless providers | No |
| RF Field Engineering 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

**Outside
Professional
Services
Costs**

Information not provided.

Other Expenses

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

**Other
Expenses**

Other Expenses Not Listed

Information not provided.

Cost Information

Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|-----------------------|------------------------------|---------------------|---|
| Primary Transmitter ULXTE-20 | \$975,955.69 | \$1,061,291.57 | | \$775,085.26 | |
| Burk Technology | <i>\$4,952.69</i> | \$4,952.69 | N/A | N/A | N/A |
| Installation Services | <i>\$8,975.00</i> | \$8,975.00 | N/A | N/A | N/A |
| Other -- HVAC Service Type: C Size:20 (Other) | <i>\$142,528.00</i> | \$142,528.00 | N/A | \$142,528.00 | A new invoice was attached which details the duct work replacement that was performed. This information was erroneously omitted from the previous invoice. The duct work was also not included in the original quote of \$110,263.00 but was necessary. |

| | | | | | |
|---|---------------------|---------------------|--|---------------------|-----|
| Other Electrical Service: Electricians to remove old equipment and install new equipment. Relocate or remove and reinstall all electric work. To remove existing and hang new transmission line. To remove offsite all old equipment. | <i>\$290,000.00</i> | \$290,000.00 | Cost - Site work Changed, Access to loading dock and elevator, late arrival of equipment due to tight schedule working around clock. See quote from Okeh Electric revision #1 uploaded | \$246,000.00 | N/A |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$579,835.88 | Whole system included | \$386,557.26 | N/A |
| Great Lakes Plumbing | <i>\$35,000.00</i> | \$35,000.00 | N/A | N/A | N/A |
| Auxiliary Transmitter ULXTE-20 | \$494,500.00 | \$552,003.92 | | \$368,002.60 | |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$552,003.92 | Whole system included | \$368,002.60 | N/A |
| Sub-total | \$1,470,455.69 | \$1,613,295.49 | N/A | \$1,143,087.86 | N/A |
| Total for all systems | \$5,748,817.33 | \$4,061,439.13 | N/A | \$1,577,276.23 | N/A |

Components

| Actual Information Description | File Name |
|--|--|
| Burk Technology | Information not provided. |
| Installation Services | Information not provided. |
| Other -- HVAC Service Type: C Size:20 (Other) | <p data-bbox="719 427 1023 456">Component Description:</p> <p data-bbox="1158 427 1382 853">removal and replacement of a/c units this is a revised invoice detailing the duct work removal and replacement that was not mentioned on the previous submission.</p> <p data-bbox="719 864 831 893">Amount:</p> <p data-bbox="1158 864 1310 893">\$142,528.00</p> |

Other Electrical Service:
 Electricians to remove old equipment and install new equipment. Relocate or remove and reinstall all electric work. To remove existing and hang new transmission line. To remove offsite all old equipment.

Component Description: Moving electrical line
Amount: \$6,000.00

Component Description: final installment of transmitter install and disconnect, etc.
Amount: \$35,000.00

Component Description: Disconnect old transmitters and reconnect new transmitters
Amount: \$132,125.00

Component Description: the next progress billing on the electrical work performed for the transmitters
Amount: \$39,125.00

Component Description: 3rd installment - 2nd transmitter removal
Amount: \$33,750.00

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW

Component Description: 2nd installment of the primary transmitter cost
Amount: \$193,278.63

Component Description: 1/3 down payment on Primary transmitter cost of
Amount: \$579,835.88
 \$193,278.63

| | | | | | | | | | |
|---|--|-------------------------------|---|----------------|--------------|-------------------------------|---|----------------|--------------|
| Great Lakes Plumbing | Information not provided. | | | | | | | | |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | <table> <tr> <td data-bbox="710 246 1141 280">Component Description:</td> <td data-bbox="1141 246 1428 358">2nd installment of the Auxiliary Transmitter cost</td> </tr> <tr> <td data-bbox="710 369 1141 403">Amount:</td> <td data-bbox="1141 369 1428 403">\$184,001.30</td> </tr> <tr> <td data-bbox="710 504 1141 537">Component Description:</td> <td data-bbox="1141 504 1428 616">1/3 of auxiliary transmitter cost of \$552,003.92</td> </tr> <tr> <td data-bbox="710 627 1141 660">Amount:</td> <td data-bbox="1141 627 1428 660">\$184,001.30</td> </tr> </table> | Component Description: | 2nd installment of the Auxiliary Transmitter cost | Amount: | \$184,001.30 | Component Description: | 1/3 of auxiliary transmitter cost of \$552,003.92 | Amount: | \$184,001.30 |
| Component Description: | 2nd installment of the Auxiliary Transmitter cost | | | | | | | | |
| Amount: | \$184,001.30 | | | | | | | | |
| Component Description: | 1/3 of auxiliary transmitter cost of \$552,003.92 | | | | | | | | |
| Amount: | \$184,001.30 | | | | | | | | |

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 PEPL24C | \$1,422,242.97 | \$1,302,902.97 | | \$398,346.61 | |
| Combiner Spine | <i>\$20,000.00</i> | \$20,000.00 | N/A | N/A | N/A |
| RF Safety Coordination | <i>\$75,000.00</i> | \$75,000.00 | N/A | N/A | N/A |
| Equipment Storage | <i>\$1,000.00</i> | \$1,000.00 | N/A | N/A | N/A |
| Transmission Line | <i>\$111,298.10</i> | \$111,298.10 | N/A | \$111,298.10 | N/A |
| Antenna Installation and Commissioning | <i>\$99,154.87</i> | \$99,154.87 | WTTWs portion of installation | \$0.00 | N/A |
| Combiner Room Construction | <i>\$45,000.00</i> | \$45,000.00 | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System | \$0.00 | N/A |
| Antenna Mounts | <i>\$15,000.00</i> | \$15,000.00 | N/A | N/A | N/A |
| Combiner Delivery to Willis | <i>\$10,000.00</i> | \$10,000.00 | N/A | N/A | N/A |
| RFR Measurements | <i>\$5,000.00</i> | \$5,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|----------------------------|--------------|-----|-------------|--|
| Combiner Module | <i>\$60,980.00</i> | \$60,980.00 | N/A | \$60,980.00 | Price increases since the cost estimates were entered. |
| Tower Modifications | <i>\$200,000.00</i> | \$200,000.00 | N/A | N/A | N/A |
| Antenna Freight | <i>\$12,500.00</i> | \$12,500.00 | N/A | N/A | N/A |
| Radome Modifications | <i>\$50,000.00</i> | \$50,000.00 | N/A | N/A | N/A |
| Transmission Line Mounts | <i>\$15,000.00</i> | \$15,000.00 | N/A | N/A | N/A |
| Antenna Delivery to Willis | <i>\$10,000.00</i> | \$10,000.00 | N/A | N/A | N/A |
| Permitting | <i>\$20,000.00</i> | \$20,000.00 | N/A | N/A | N/A |
| Structural Engineering | <i>\$150,000.00</i> | \$150,000.00 | N/A | \$78,305.55 | N/A |
| Outside Project Management | <i>\$92,500.00</i> | \$92,500.00 | N/A | \$1,355.46 | N/A |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | \$5,260.00 | \$0.00 | N/A | N/A | N/A |
| Side mount brackets for high power antennas (if not included in antenna base cost) | \$23,150.00 | \$0.00 | N/A | N/A | N/A |

| | | | | | |
|--|----------------------------|--------------|---|--------------|-----|
| New combiner, cost per channel (without antenna) | \$84,200.00 | \$0.00 | N/A | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$0.00 | N/A | N/A | N/A |
| UHF - High Power, Side Mount, broadband panel, 24 bay,, 193 kW input, directional,, elliptically or circularly polarized | <i>\$120,862.50</i> | \$120,862.50 | See Willis Tower Preliminary Budget Overview WEST Tower RFS Antenna /Combiner System | \$120,862.50 | N/A |
| Combiner Installation and Commissioning | <i>\$9,062.50</i> | \$9,062.50 | N/A | N/A | N/A |
| Internal Transmission Line | <i>\$75,000.00</i> | \$75,000.00 | N/A | N/A | N/A |
| Transmission Line Installation | <i>\$75,000.00</i> | \$75,000.00 | N/A | \$0.00 | N/A |
| Combiner Freight | <i>\$5,000.00</i> | \$5,000.00 | N/A | N/A | N/A |
| Combiner Commissioning | <i>\$9,062.50</i> | \$9,062.50 | ***System Notice: Estimate adjusted and locked because line has been superseded. *** | \$9,062.50 | N/A |

| | | | | | |
|--|-----------------------|-----------------------|---|-----------------------|-----|
| Antenna Commissioning | \$16,482.50 | \$16,482.50 | ***System Notice: Estimate adjusted and locked because line has been superseded. *** | \$16,482.50 | N/A |
| Auxiliary Antenna PHP24C | \$476,156.67 | \$464,166.67 | | \$0.00 | |
| East RFS System | \$464,166.67 | \$464,166.67 | N/A | \$0.00 | N/A |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | \$5,260.00 | \$0.00 | N/A | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$0.00 | N/A | N/A | N/A |
| Sub-total | \$1,898,399.64 | \$1,767,069.64 | N/A | \$398,346.61 | N/A |
| Total for all systems | \$5,748,817.33 | \$4,061,439.13 | N/A | \$1,577,276.23 | N/A |

Components

| Actual Information | |
|------------------------|---------------------------|
| Description | File Name |
| Combiner Spine | Information not provided. |
| RF Safety Coordination | Information not provided. |
| Equipment Storage | Information not provided. |

| | |
|--|---|
| Transmission Line | <p>Component Description: 50% of various Transmission Line costs as indicated by line number on quotation #20061310</p> <p>Amount: \$111,298.10</p> |
| Antenna Installation and Commissioning | <p>Component Description: Antenna installation portion of this invoice</p> <p>Amount: \$99,154.87</p> |
| Combiner Room Construction | <p>Component Description: Combiner Room Construction: ISI invoices 6018a, 6018, 6019 and Ruck invoice 1901429</p> <p>Amount: \$23,712.59</p> |
| Antenna Mounts | Information not provided. |
| Combiner Delivery to Willis | Information not provided. |
| RFR Measurements | Information not provided. |
| Combiner Module | <p>Component Description: 50% Combiner, Module from manufacturer quotation #20061310</p> <p>Amount: \$60,980.00</p> |
| Tower Modifications | Information not provided. |
| Antenna Freight | Information not provided. |
| Radome Modifications | Information not provided. |
| Transmission Line Mounts | Information not provided. |

| | | |
|----------------------------|--|--|
| Antenna Delivery to Willis | Information not provided. | |
| Permitting | Information not provided. | |
| Structural Engineering | <p>Component Description:</p> <p>Amount:</p> | <p>Structural Engineering portion of this invoice.</p> <p>\$7,362.50</p> |
| | <p>Component Description:</p> <p>Amount:</p> | <p>Structural engineering: Ruck inv 1901410 & 1901411 and ERE LLC inv 1366 &1342</p> <p>\$27,431.25</p> |
| | <p>Component Description:</p> <p>Amount:</p> | <p>As stated on cover letter, requesting payment of one penny short of invoice total due to vendor error.</p> <p>\$39,377.81</p> |
| | <p>Component Description:</p> <p>Amount:</p> | <p>Structural Engineering costs associated with West and East tower work</p> <p>\$28,908.74</p> |
| | <p>Component Description:</p> <p>Amount:</p> | <p>WTTW share of WEST RFS Antenna/Combiner System, details attached</p> <p>\$10,019.00</p> |

| | |
|---|--|
| <p>Outside Project Management</p> | <p>Component Description: Share of West RFS Antenna/Combiner System, details attached</p> <p>Amount: \$1,290.17</p> <p>Component Description: Outside Project Mgmt: ERE LLC invoices 1359, 1337, 1351</p> <p>Amount: \$812.51</p> <p>Component Description: Shared cost EAST RFS System, back up attached</p> <p>Amount: \$65.29</p> |
| <p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p> | <p>Information not provided.</p> |
| <p>Side mount brackets for high power antennas (if not included in antenna base cost)</p> | <p>Information not provided.</p> |
| <p>New combiner, cost per channel (without antenna)</p> | <p>Information not provided.</p> |
| <p>Sweep test of existing antenna</p> | <p>Information not provided.</p> |

| | |
|---|---|
| <p>UHF - High Power, Side Mount, broadband panel, 24 bay,, 193 kW input, directional,, elliptically or circularly polarized</p> | <p>Component Description: 50% UHF High Power, Side Mount, Broadband panel, 24Bay 193kW input, Directional, Elliptically or circular polarized. Quotation #20061310</p> <p>Amount: \$120,862.50</p> |
| <p>Combiner Installation and Commissioning</p> | <p>Information not provided.</p> |
| <p>Internal Transmission Line</p> | <p>Information not provided.</p> |
| <p>Transmission Line Installation</p> | <p>Component Description: Transmission line installation portion of this invoice.</p> <p>Amount: \$29,261.28</p> <p>Component Description: Transmission Line Installation, detail sheet from vendor ERE,LLC inv #1331</p> <p>Amount: \$2,750.00</p> |
| <p>Combiner Freight</p> | <p>Information not provided.</p> |
| <p>Combiner Commissioning</p> | <p>Component Description: 50% Combiner Commissioning</p> <p>Amount: \$9,062.50</p> |
| <p>Antenna Commissioning</p> | <p>Component Description: 50% Antenna Commissioning</p> <p>Amount: \$16,482.50</p> |

| | |
|--|--|
| East RFS System | <p>Component Description: Shared UHF Channel Combiner</p> <p>Amount: \$50,852.91</p> |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | Information not provided. |
| Sweep test of existing antenna | Information not provided. |

Cost Information

Transmission Line

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|-----------------------|------------------------------|-----------------------|---------------------------|
| Primary Transmission Line | \$30,200.00 | \$29,000.00 | | \$0.00 | |
| Rigid Transmission Line - copper, 6 1/8" | \$20,200.00 | \$19,000.00 | N/A | N/A | N/A |
| Electrican Hanging | <i>\$10,000.00</i> | \$10,000.00 | N/A | N/A | N/A |
| Auxiliary Transmission Line | \$30,200.00 | \$29,000.00 | | \$0.00 | |
| Electrican Hanging | <i>\$10,000.00</i> | \$10,000.00 | N/A | N/A | N/A |
| Rigid Transmission Line - copper, 6 1/8" | \$20,200.00 | \$19,000.00 | N/A | N/A | N/A |
| Sub-total | \$60,400.00 | \$58,000.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$5,748,817.33 | \$4,061,439.13 | N/A | \$1,577,276.23 | N/A |

Components

Information not provided.

Cost Information

Tower Equipment and Rigging Costs

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|---------------------|------------------------------|---------------|---------------------------|
| Primary Tower BTWR | \$1,349,500.00 | \$507,500.00 | | \$0.00 | |
| WTTW Antenna Removal | <i>\$40,000.00</i> | \$40,000.00 | N/A | N/A | N/A |
| WTTW Antenna Removal RF Safety Coordination | <i>\$10,000.00</i> | \$10,000.00 | N/A | N/A | N/A |
| WTTW T L Removal to 100 in smoke shaft | <i>\$40,000.00</i> | \$40,000.00 | N/A | N/A | N/A |
| SW Pole Decommission Preparation Work | <i>\$50,000.00</i> | \$50,000.00 | N/A | N/A | N/A |
| SW Pole Decommission Engineering | <i>\$32,500.00</i> | \$32,500.00 | N/A | N/A | N/A |
| SW Pole Material Removal and Disposal | <i>\$25,000.00</i> | \$25,000.00 | N/A | N/A | N/A |
| Willis Tower Project Management | <i>\$27,500.00</i> | \$27,500.00 | N/A | N/A | N/A |
| WTTW T L Removal RF Safety Coordination | <i>\$12,500.00</i> | \$12,500.00 | N/A | N/A | N/A |

| | | | | | |
|---|-----------------------|---------------------|------------|---------------|------------|
| WTTW Antenna Removal Engineering | <i>\$30,000.00</i> | \$30,000.00 | N/A | N/A | N/A |
| SW Pole Decommission Prep. Work RF Safety Coord. | <i>\$12,500.00</i> | \$12,500.00 | N/A | N/A | N/A |
| WTTW Transmission Line Removal to Smoke Shaft | <i>\$50,000.00</i> | \$50,000.00 | N/A | N/A | N/A |
| Tower Helicopter Lift | <i>\$177,500.00</i> | \$177,500.00 | N/A | N/A | N/A |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$0.00 | N/A | N/A | N/A |
| Major tower reinforcement /modifications | \$421,000.00 | \$0.00 | N/A | N/A | N/A |
| Auxiliary Tower BMAST | \$842,000.00 | \$0.00 | | \$0.00 | |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$0.00 | N/A | N/A | N/A |
| Major tower reinforcement /modifications | \$421,000.00 | \$0.00 | N/A | N/A | N/A |
| Sub-total | \$2,191,500.00 | \$507,500.00 | N/A | \$0.00 | N/A |

| | | | | | |
|------------------------------|----------------|----------------|-----|----------------|-----|
| Total for all systems | \$5,748,817.33 | \$4,061,439.13 | N/A | \$1,577,276.23 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

Components

Information not provided.

Cost Information

Outside Professional Services

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|-----------------------|------------------------------|-----------------------|---------------------------|
| Outside Professional Services | \$107,150.00 | \$96,750.00 | | \$23,087.76 | |
| Project management of the transition | \$79,000.00 | \$70,000.00 | N/A | \$21,688.26 | N/A |
| RF Exposure Measurements | \$21,050.00 | \$20,000.00 | 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 | \$274.50 | N/A |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | \$2,105.00 | \$2,000.00 | N/A | \$576.00 | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | \$549.00 | N/A |
| Sub-total | \$107,150.00 | \$96,750.00 | N/A | \$23,087.76 | N/A |
| Total for all systems | \$5,748,817.33 | \$4,061,439.13 | N/A | \$1,577,276.23 | N/A |

Components

Actual Information**Description****File Name**

Project management of the transition

Component Description: WTTW repack status update

Amount: \$303.00

Component Description: Various FCC repack related topics

Amount: \$6,810.26

Component Description: Preparation of 2100 CP application and maximization application

Amount: \$1,657.50

Component Description: DTV notification service to medical facilities of channel change

Amount: \$9,502.00

Component Description: MVPD notification services to cable and satellite providers of WTTW channel change

Amount: \$3,252.00

Component Description: Analysis and review of FCC online databases, etc.

Amount: \$39.00

| | |
|--|---|
| | <p>Component Description: email on FCC post-auction transition procedures and payments</p> <p>Amount: \$50.50</p> <p>Component Description: Email regarding auction closing and channel reassignment</p> <p>Amount: \$50.50</p> <p>Component Description: repack progress report/Transition permit</p> <p>Amount: \$74.00</p> |
| RF Exposure Measurements | Information not provided. |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | <p>Component Description: repack process and timing</p> <p>Amount: \$168.00</p> <p>Component Description: regarding repack transition report and form 2100 schedule 387 availability</p> <p>Amount: \$56.00</p> <p>Component Description: ungranted repack applications</p> <p>Amount: \$50.50</p> |

| | |
|---|--|
| <p>Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application</p> | <p>Component Description: preparation of construction permit application and form 399 application Amount: \$498.00</p> |
| | <p>Component Description: review construction permit application Amount: \$78.00</p> |
| <p>Prepare and or review reimbursement form</p> | <p>Component Description: Prepare & review reimbursement form Amount: \$112.00</p> |
| | <p>Component Description: Analysis of reimbursement form Amount: \$78.00</p> |
| | <p>Component Description: Analysis and research for reimbursement form Amount: \$156.00</p> |
| | <p>Component Description: Review form 399 estimates Amount: \$336.00</p> |
| | <p>Component Description: Email regarding form 1876 Amount: \$101.00</p> |

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 | \$20,912.00 | \$18,824.00 | | \$12,754.00 | |
| MVPD Notification of Channel Change | <i>\$3,252.00</i> | \$3,252.00 | N/A | \$3,252.00 | N/A |
| Develop and air announcement of upcoming channel change | <i>\$5,000.00</i> | \$5,000.00 | N/A | N/A | N/A |
| Equipment Storage | <i>\$0.00</i> | \$0.00 | N/A | N/A | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$0.00</i> | \$0.00 | N/A | N/A | N/A |
| FCC Filing Fees - Form 2100 minor change CP application | \$1,110.00 | \$1,070.00 | N/A | \$0.00 | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$9,502.00 | N/A | \$9,502.00 | N/A |
| Sub-total | \$20,912.00 | \$18,824.00 | N/A | \$12,754.00 | N/A |
| Total for all systems | \$5,748,817.33 | \$4,061,439.13 | N/A | \$1,577,276.23 | N/A |

Components

| Actual Information | |
|--|---|
| Description | File Name |
| MVPD Notification of Channel Change | <p>Component Description: For services provided</p> <p>Amount: \$3,252.00</p> |
| Develop and air announcement of upcoming channel change | Information not provided. |
| Equipment Storage | Information not provided. |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided. |
| FCC Filing Fees - Form 2100 minor change CP application | Information not provided. |
| DTV Medical Facility Notification | <p>Component Description: For services provided</p> <p>Amount: \$9,502.00</p> |

Cost Information **Grand Total**

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|------------------------------|------------------------------------|-----------------------|--------------------|
| Total for all systems | \$5,748,817.33 | \$4,061,439.13 | \$1,577,276.23 |

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

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

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**Paul
Gosiewski**
*Director of
Finance*

03/13/2020

| Certification | Section | Question | Response |
|---------------|---|--|----------|
| | Submission of Actual Cost Documentation Statements | <p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p> | |
| | | <ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 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.

8. 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.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**Paul
Gosiewski**
*Director of
Finance*

03/13/2020

Attachments