



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **40618** | Service: **DTV** | Call **WCPB** | Channel: **16 (UHF)** |
ID: | Sign:
File **0000027915**
Number:
FRN: **0003857380** | Date **07/22**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|--|--|-----------------------------|--------------------|----------------------|
| MARYLAND PUBLIC BROADCASTING COMMISSION | Carl Wolfe, Director, Transmission and Distribution 11767 OWINGS MILLS BOULEVARD OWINGS MILLS, MD 21117 United States | +1 (410) 356- 5600 | cwolfe@mpt. org | Government Entity |

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 |
|---|---|-------------------|------------------------|
| Samuel Hariton <i>Widely Inc.</i> | Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States | +1 (339) 222-8107 | sam.hariton@widely.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. | | No |
| Briefly describe transition plan | | Current transmission system consists of a transmitter feeding a transmission line which connects to an antenna on the tower. Work includes installing new transmission line, attaching to antenna and connecting to new repack channel transmitter. |

Transmitters

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

**Auxiliary
Transmitter****Add Transmitter Information**

| Section | Question | Response |
|---|---|---|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary use in case of main transmitter failure |
| | 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 | TDU2- 10K0LV |
| | Year | 2003 |
| | Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power Capacity | 5 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? | Yes |
| | Manufacturer | |
| | Model | PRLX-U8 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 13 kW |
| | Justification for New Transmitter | Current transmitter is not supported for a channel change. See attached Transmitter Replace Justification letter from manufacturer. Power upgrade is part of an agreement provided to the FCC to move WCPB to Ch. 16 to accommodate moving WETA to channel 31. |

**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 | Yes |
| | Description | Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. |
| 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

| Name | Description |
|--------------------------|--|
| Bag Filter | Bag type water filtration for heat exchanger system. |
| Remote Control Interface | License required to interface transmitter into current remote control system |
| Coolant | The coolant used for the transmitter heat exchanger is not included in the transmitter price |
| Rigid Coax Line | Rigid interconnection coax lines from transmitter to filter to antenna switch. |

**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 | TDU2- 10K0LV |
| | Year | 2003 |
| | Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power Capacity | 5 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 | MPTV-PRLX-U8 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 13 kW |
| | Justification for New Transmitter | Current transmitter is not supported for a channel change. See attached Transmitter Replace Justification letter from manufacturer. Power upgrade is part of an agreement provided to the FCC to move WCPB to Ch. 16 to accommodate moving WETA to channel 31. |

**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 | Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. |
| 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 |

**Primary
Transmitter**

Other Transmitter Cost Not Listed

| Name | Description |
|---------------------------------|---|
| Site Design and Survey | Incorporates all aspects of the transmitter room design, including power distribution requirements, equipment placement, RF system layout, plumbing, and remote control. |
| CIF Mask filter | Constant Impedance mask Filter. Station currently utilizes a CIF. The 8-Pole filter is required to protect Land Mobile operations in Washington D.C. with WCPB being assigned ch. 16. |
| Remote Control Interface | License required to interface transmitter into current remote control system |
| Bag Filter | Bag type water filtration for heat exchanger system. |
| Rigid Coax Line | Rigid interconnection coax lines from transmitter to filter to antenna switch. |
| Motorized Switch | Electric actuated switch to switch between antenna and load |
| Coolant | The coolant used for the transmitter heat exchanger is not included in the transmitter price |
| Motorized Switch - Filter Input | Switches main or aux transmitter into mask filter |

Antennas

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

**Primary
Antenna****Existing Antenna Information**

| Section | Question | Response |
|---|--|--------------------|
| Existing Antenna Description | Type of change | Retune Existing |
| | 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? | No |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Top |
| | Polarization | Horizontal |
| | Type | Broadband Panel |
| | Number of Stations Supported | 1 |
| | Number of Panels | 16 |
| | Design power capacity in use | 50.0 % |
| | Lower Limit | 470.00 MHz |

| | |
|---------------------------------|-------------|
| Upper Limit | 698.00 MHz |
| Other Antenna Type | N/A |
| ERP: (Effective Radiated Power) | 132.0 kW |
| Manufacturer | DIE |
| Model | TUP-16-O4-1 |
| Year | 2009 |

**Primary
Antenna**

Adjustment to Existing Antenna

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

**Primary
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 | |

**Primary
Antenna**

Other Antenna Cost Not Listed

| Name | Description |
|---------------------------|---|
| Antenna Optimizing | Optimize match to operate on channel 16 from 28 |

Transmission Line

| Section | Question | Response |
|---|---|----------|
| Transmission Line Related Expenses | Do you have transmission line related expenses? | No |

Tower Equipment And Rigging Costs

| Section | Question | Response |
|---|---|----------|
| Tower Equipment or Rigging Costs Changes | Do you have tower equipment or rigging costs changes? | No |

Outside Professional Services Costs

| Section | Question | Response |
|---|--|---|
| Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 280 |
| | Explanation | Applicant has limited internal resources to oversee installing and commissioning this repack project. It will rely on outside services to manage all work required. |
| 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 | No |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |

| | | |
|---|--|-----|
| | Prepare request for Special Temporary Authority | No |
| | Quantity | N/A |
| | Do you have Distributed Transmission System engineering services? | N/A |
| | Critical Facility | N/A |
| | Terrain-Shielded Facility | N/A |
| Attorney and Other Outside Consulting Services | Prepare and file Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare and file Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |
| | 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 | Yes |
| | 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 | No |
| Additional Field Engineering Service | Yes |
| Number of Days | 1 |
| Justification | Initial sweep of the antenna to verify if antenna could operate on original repack channel 21. |

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

| Name | Description |
|------------------|--|
| Progress Reports | Prepare and file 8 required progress reports on FCC Form 2100, Schedule 387 on a quarterly basis with the FCC. |

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 | No |
| | 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? | Yes |
| | Does this relocation require Equipment Storage? | No |
| | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | No |
| | 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 MPTV-PRLX-U8 | \$656,551.40 | \$634,016.40 | | \$607,531.46 | |
| Motorized Switch - Filter Input | <i>\$16,425.00</i> | \$16,425.00 | Motorized switch switches main or aux transmitter into filter. Station currently uses motorized switch but can't be moved while on pre-repack channel. See narrative budget rev 061918.pdf | \$16,425.00 | N/A |
| Coolant | <i>\$814.00</i> | \$814.00 | The coolant used for the transmitter heat exchanger is not included in the transmitter price. See attached coolant quote. | \$736.56 | N/A |

| | | | | | |
|--------------------------|--------------------|-------------|--|-------------|-----|
| Bag Filter | \$6,975.00 | \$6,975.00 | Bag type water filtration for heat exchanger system. Current pre-repack cooling system has this filtering. This IS NOT an upgrade. | \$6,975.00 | N/A |
| CIF Mask filter | \$75,207.00 | \$75,207.00 | Constant Impedance mask Filter. Station currently utilizes a CIF. The 8-Pole filter is required to protect Land Mobile operations in Washington D. C. with WCPB being assigned ch. 16. | \$75,207.00 | N/A |
| Remote Control Interface | \$2,197.50 | \$2,197.50 | License required to interface transmitter into current remote control system. These are in use now on the Comark transmitters. This IS NOT an upgrade. | \$0.00 | N/A |

| | | | | | |
|--|--------------------|-------------|---|-------------|-----|
| Site Design and Survey | \$17,437.90 | \$17,437.90 | see Estimated Cost Justification WCPB-110-1st Primary Transmitter - Transmitter Site Survey and Design v0 | \$2,137.90 | N/A |
| Motorized Switch | \$26,195.00 | \$26,195.00 | Electric actuated switch to switch between antenna and load. Current transmitter has this capability but switch cannot be moved as it is in pre-repack service. See budget rev 061918.pdf | \$26,195.00 | N/A |
| Other Electrical Service: Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. | \$14,200.00 | \$14,200.00 | Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. | \$5,290.00 | N/A |

| | | | | | |
|--|---------------------|---------------------|--|---------------------|-----|
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$471,965.00 | see Estimated Cost Justification WCPB-110-1st Primary Transmitter - UHF Liquid Cooled Solid State, 8.2-13 kW v0 | \$471,965.00 | N/A |
| Rigid Coax Line | \$2,600.00 | \$2,600.00 | Rigid interconnection coax lines from transmitter to filter to antenna switch. Part of the internal RF systems and will be cut to length needed. This IS NOT an upgrade. | \$2,600.00 | N/A |
| Auxiliary Transmitter PRLX-U8 | \$521,286.50 | \$460,886.50 | | \$444,411.56 | |
| Coolant | \$814.00 | \$814.00 | The coolant used for the transmitter heat exchanger is not included in the transmitter price. See attached coolant quote. | \$736.56 | N/A |

| | | | | | |
|---|-------------------|--------------|--|--------------|---|
| Remote Control Interface | \$2,197.50 | \$2,197.50 | License required to interface transmitter into current remote control system. Current Comark transmitters have this interface. This IS NOT an upgrade. | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$434,100.00 | N/A | \$434,100.00 | The final quote is attached and is less than what was originally estimated. |
| Rigid Coax Line | \$2,600.00 | \$2,600.00 | Rigid interconnection coax lines from transmitter to filter to antenna switch. Part of the internal RF systems and will be cut to length needed. This IS NOT an upgrade. | \$2,600.00 | N/A |
| Bag Filter | \$6,975.00 | \$6,975.00 | Bag type water filtration for heat exchanger system. Current pre-repack cooling system has this filtering. This IS NOT an upgrade. | \$6,975.00 | N/A |

| | | | | | |
|---|--------------------|----------------|--|----------------|-----|
| Other Electrical Service: Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. | \$14,200.00 | \$14,200.00 | Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. See attached electrical quote. | \$0.00 | N/A |
| Sub-total | \$1,177,837.90 | \$1,094,902.90 | N/A | \$1,051,943.02 | N/A |
| Total for all systems | \$1,343,637.90 | \$1,253,272.90 | N/A | \$1,102,908.37 | N/A |

Components

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

| | | | | | | | | | | | | | |
|--|---|-------------------------------|--|----------------|----------|-------------------------------|--|----------------|------------|-------------------------------|--|----------------|------------|
| <p>Motorized Switch - Filter Input</p> | <table> <tr> <td data-bbox="722 174 1027 208">Component Description:</td><td data-bbox="1163 174 1374 405">WCPB-110-1st Primary Transmitter - Motorized Coaxial Switch for Mask Filter Input</td></tr> <tr> <td data-bbox="722 416 831 450">Amount:</td><td data-bbox="1163 416 1262 450">\$821.25</td></tr> <tr> <td data-bbox="722 555 1027 589">Component Description:</td><td data-bbox="1163 555 1374 786">WCPB-110-1st Primary Transmitter - Motorized Coaxial Switch for Mask Filter Input</td></tr> <tr> <td data-bbox="722 797 831 831">Amount:</td><td data-bbox="1163 797 1278 831">\$7,391.25</td></tr> <tr> <td data-bbox="722 936 1027 969">Component Description:</td><td data-bbox="1163 936 1362 1043">line 3.5 on quote. part of line 3 on invoice</td></tr> <tr> <td data-bbox="722 1055 831 1088">Amount:</td><td data-bbox="1163 1055 1278 1088">\$8,212.50</td></tr> </table> | Component Description: | WCPB-110-1st Primary Transmitter - Motorized Coaxial Switch for Mask Filter Input | Amount: | \$821.25 | Component Description: | WCPB-110-1st Primary Transmitter - Motorized Coaxial Switch for Mask Filter Input | Amount: | \$7,391.25 | Component Description: | line 3.5 on quote. part of line 3 on invoice | Amount: | \$8,212.50 |
| Component Description: | WCPB-110-1st Primary Transmitter - Motorized Coaxial Switch for Mask Filter Input | | | | | | | | | | | | |
| Amount: | \$821.25 | | | | | | | | | | | | |
| Component Description: | WCPB-110-1st Primary Transmitter - Motorized Coaxial Switch for Mask Filter Input | | | | | | | | | | | | |
| Amount: | \$7,391.25 | | | | | | | | | | | | |
| Component Description: | line 3.5 on quote. part of line 3 on invoice | | | | | | | | | | | | |
| Amount: | \$8,212.50 | | | | | | | | | | | | |
| <p>Coolant</p> | <table> <tr> <td data-bbox="722 1227 1027 1261">Component Description:</td><td data-bbox="1163 1227 1294 1294">Coolant for Transmitter</td></tr> <tr> <td data-bbox="722 1305 831 1339">Amount:</td><td data-bbox="1163 1305 1262 1339">\$736.56</td></tr> </table> | Component Description: | Coolant for Transmitter | Amount: | \$736.56 | | | | | | | | |
| Component Description: | Coolant for Transmitter | | | | | | | | | | | | |
| Amount: | \$736.56 | | | | | | | | | | | | |

| | |
|--------------------------|---|
| Bag Filter | <div> Component Description: WCPB-110-1st Primary Transmitter - Bag Filter </div> <div> Amount: \$348.75 </div> |
| | <div> Component Description: bag filler line 3.1 on quote included on line 3 on invoice. 50% deposit </div> <div> Amount: \$3,487.50 </div> |
| | <div> Component Description: WCPB-110-1st Primary Transmitter - Bag Filter </div> <div> Amount: \$3,138.75 </div> |
| CIF Mask filter | <div> Component Description: WCPB-110-1st Primary Transmitter - CIF Mask Filter </div> <div> Amount: \$3,760.35 </div> |
| | <div> Component Description: line 3.4 on quote, included on line 3 on invoice, </div> <div> Amount: \$37,603.50 </div> |
| | <div> Component Description: WCPB-110-1st Primary Transmitter - CIF Mask Filter </div> <div> Amount: \$33,843.15 </div> |
| Remote Control Interface | Information not provided. |

| | |
|--|---|
| Site Design and Survey | <div> <div>Component Description:</div> <div>Site Survey</div> </div> <div> <div>Amount:</div> <div>\$2,137.90</div> </div> |
| Motorized Switch | <div> <div>Component Description:</div> <div>WCPB-110-1st Primary Transmitter - Motorized Coaxial Switch</div> </div> <div> <div>Amount:</div> <div>\$1,309.75</div> </div> <div> <div>Component Description:</div> <div>line 3.3 on quote included in line 3 on invoice</div> </div> <div> <div>Amount:</div> <div>\$13,097.50</div> </div> <div> <div>Component Description:</div> <div>WCPB-110-1st Primary Transmitter - Motorized Coaxial Switch</div> </div> <div> <div>Amount:</div> <div>\$11,787.75</div> </div> |
| Other Electrical Service: Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. | <div> <div>Component Description:</div> <div>Salisbury location installation of wiring for new transmitter</div> </div> <div> <div>Amount:</div> <div>\$5,290.00</div> </div> |

| | | | | | | | | | | | | | | | | | |
|---|--|-------------------------------|--|----------------|-------------|-------------------------------|--|----------------|------------|-------------------------------|--|----------------|--------------|-------------------------------|--|----------------|--------------|
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | <table> <tr> <td data-bbox="722 179 1027 208">Component Description:</td><td data-bbox="1163 179 1366 246">SYSTEM, WCPB PRLX U8 D16</td></tr> <tr> <td data-bbox="722 259 831 288">Amount:</td><td data-bbox="1163 259 1294 288">\$23,500.00</td></tr> <tr> <td data-bbox="722 398 1027 427">Component Description:</td><td data-bbox="1163 398 1340 427">Forklift delivery</td></tr> <tr> <td data-bbox="722 436 831 465">Amount:</td><td data-bbox="1163 436 1278 465">\$1,965.00</td></tr> <tr> <td data-bbox="722 575 1027 604">Component Description:</td><td data-bbox="1163 575 1366 642">SYSTEM, WCPB PRLX U8 D16</td></tr> <tr> <td data-bbox="722 656 831 685">Amount:</td><td data-bbox="1163 656 1310 685">\$211,500.00</td></tr> <tr> <td data-bbox="722 795 1027 824">Component Description:</td><td data-bbox="1163 795 1350 943">line 1a,1b,1c on invoice. Line 1-1.17 on quote D 50% deposit</td></tr> <tr> <td data-bbox="722 952 831 981">Amount:</td><td data-bbox="1163 952 1310 981">\$235,000.00</td></tr> </table> | Component Description: | SYSTEM, WCPB PRLX U8 D16 | Amount: | \$23,500.00 | Component Description: | Forklift delivery | Amount: | \$1,965.00 | Component Description: | SYSTEM, WCPB PRLX U8 D16 | Amount: | \$211,500.00 | Component Description: | line 1a,1b,1c on invoice. Line 1-1.17 on quote D 50% deposit | Amount: | \$235,000.00 |
| Component Description: | SYSTEM, WCPB PRLX U8 D16 | | | | | | | | | | | | | | | | |
| Amount: | \$23,500.00 | | | | | | | | | | | | | | | | |
| Component Description: | Forklift delivery | | | | | | | | | | | | | | | | |
| Amount: | \$1,965.00 | | | | | | | | | | | | | | | | |
| Component Description: | SYSTEM, WCPB PRLX U8 D16 | | | | | | | | | | | | | | | | |
| Amount: | \$211,500.00 | | | | | | | | | | | | | | | | |
| Component Description: | line 1a,1b,1c on invoice. Line 1-1.17 on quote D 50% deposit | | | | | | | | | | | | | | | | |
| Amount: | \$235,000.00 | | | | | | | | | | | | | | | | |
| Rigid Coax Line | <table> <tr> <td data-bbox="722 1126 1027 1155">Component Description:</td><td data-bbox="1163 1126 1350 1274">WCPB-110-1st Primary Transmitter - Rigid Coax Line</td></tr> <tr> <td data-bbox="722 1288 831 1317">Amount:</td><td data-bbox="1163 1288 1259 1317">\$130.00</td></tr> <tr> <td data-bbox="722 1426 1027 1456">Component Description:</td><td data-bbox="1163 1426 1350 1574">WCPB-110-1st Primary Transmitter - Rigid Coax Line</td></tr> <tr> <td data-bbox="722 1588 831 1617">Amount:</td><td data-bbox="1163 1588 1278 1617">\$1,170.00</td></tr> <tr> <td data-bbox="722 1727 1027 1756">Component Description:</td><td data-bbox="1163 1727 1374 1910">20' coax sections line 3.2 on quote d included on invoice line 3 50% deposit</td></tr> <tr> <td data-bbox="722 1924 831 1953">Amount:</td><td data-bbox="1163 1924 1278 1953">\$1,300.00</td></tr> </table> | Component Description: | WCPB-110-1st Primary Transmitter - Rigid Coax Line | Amount: | \$130.00 | Component Description: | WCPB-110-1st Primary Transmitter - Rigid Coax Line | Amount: | \$1,170.00 | Component Description: | 20' coax sections line 3.2 on quote d included on invoice line 3 50% deposit | Amount: | \$1,300.00 | | | | |
| Component Description: | WCPB-110-1st Primary Transmitter - Rigid Coax Line | | | | | | | | | | | | | | | | |
| Amount: | \$130.00 | | | | | | | | | | | | | | | | |
| Component Description: | WCPB-110-1st Primary Transmitter - Rigid Coax Line | | | | | | | | | | | | | | | | |
| Amount: | \$1,170.00 | | | | | | | | | | | | | | | | |
| Component Description: | 20' coax sections line 3.2 on quote d included on invoice line 3 50% deposit | | | | | | | | | | | | | | | | |
| Amount: | \$1,300.00 | | | | | | | | | | | | | | | | |

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|---|---|
| Coolant | <div> <div>Component Description:</div> <div>Coolant for Transmitter</div> </div> <div> <div>Amount:</div> <div>\$736.56</div> </div> |
| Remote Control Interface | Information not provided. |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | <div> <div>Component Description:</div> <div>WCPB-150-1st Auxiliary Transmitter - UHF Liquid Cooled Solid State, 8.2-13 kW</div> </div> <div> <div>Amount:</div> <div>\$21,705.00</div> </div> <div> <div>Component Description:</div> <div>SYSTEM, WCPB PRLX US 016</div> </div> <div> <div>Amount:</div> <div>\$195,345.00</div> </div> <div> <div>Component Description:</div> <div>This is for items 4a,4b,4c on invoice. Also quote p#2958A Auxiliary. 1.1-1.17</div> </div> <div> <div>Amount:</div> <div>\$217,050.00</div> </div> |

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|-----------------|-------------------------------|--|
| Rigid Coax Line | | |
| | Component Description: | WCPB-150-1st Auxiliary Transmitter - |
| | Amount: | Rigid Coax Line \$130.00 |
| | | |
| | Component Description: | WCPB-150-1st Auxiliary Transmitter - |
| | Amount: | Rigid Coax Line Hitachi Kokusai Electric Comark LLC 11448-3 \$1,170.00 |
| | Component Description: | 20' coax sections. line 3.2 on quote a Included in cost of line6 on quote. 50% deposit |
| | Amount: | \$1,300.00 |

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| Bag Filter | <div data-bbox="722 174 1369 365"> <p>Component Description: WCPB-150-1st Auxiliary Transmitter - Bag Filter</p> <p>Amount: \$348.75</p> </div> <div data-bbox="722 477 1369 667"> <p>Component Description: WCPB-150-1st Auxiliary Transmitter - Bag Filter</p> <p>Amount: \$3,138.75</p> </div> <div data-bbox="722 779 1377 1003"> <p>Component Description: Bag Filter 50% deposit line 3.1 on quote a part of line 6 on invoice 11448a</p> <p>Amount: \$3,487.50</p> </div> |
| Other Electrical Service: Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. | Information not provided. |

Cost
Information

Antennas

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--------------------------------|-----------------------------|----------------|--|----------------|---------------------------|
| Primary Antenna TUP-16-O4-1 | \$9,730.00 | \$9,400.00 | | \$3,000.00 | |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$3,000.00 | N/A |
| Antenna Optimizing | \$3,000.00 | \$3,000.00 | Optimize antenna match from channel 28 to channel 16 | N/A | N/A |
| Sub-total | \$9,730.00 | \$9,400.00 | N/A | \$3,000.00 | N/A |
| Total for all systems | \$1,343,637.90 | \$1,253,272.90 | N/A | \$1,102,908.37 | N/A |

Components

| Actual Information | |
|--------------------------------|--|
| Description | File Name |
| Sweep test of existing antenna | <div>Component Description: Sweep of existing system at WCPB salisbury</div> <div>Amount: \$3,000.00</div> |
| Antenna Optimizing | Information not provided. |

Cost Information **Transmission Line**
Information not provided.

Cost Information **Tower Equipment and Rigging Costs**
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 | \$105,200.00 | \$102,650.00 | | \$26,695.35 | |
| Progress Reports | <i>\$28,000.00</i> | \$28,000.00 | Prepare and file 8 required progress reports on FCC Form 2100, Schedule 387 on a quarterly basis with the FCC. | \$802.50 | N/A |
| Additional Field Engineering Service, 1 Days | <i>\$6,400.00</i> | \$6,400.00 | Initial sweep of antenna to evaluate operation on channel 21 from channel 28. | N/A | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|-------------|-------------|---|-------------|-----|
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | \$89.25 | N/A |
| Project management of the transition | \$44,240.00 | \$42,000.00 | N/A | \$24,724.10 | N/A |
| Attorney Fees - Negotiation of lease and other matters for shared locations | \$4,210.00 | \$5,000.00 | Fees related to multi-party resolution agreement with Maryland Public TV, WETA and HME Equity Fund II, LLC. Involved several stations moving channels to accommodate WETA moving from ch 14 to 31. | \$571.50 | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | \$2,365.00 | \$2,250.00 | N/A | \$508.00 | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | N/A | N/A | N/A |

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|--|----------------|----------------|-----|----------------|-----|
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | N/A | N/A |
| Sub-total | \$105,200.00 | \$102,650.00 | N/A | \$26,695.35 | N/A |
| Total for all systems | \$1,343,637.90 | \$1,253,272.90 | N/A | \$1,102,908.37 | N/A |

Components

| Actual Information | |
|--------------------|---|
| Description | File Name |
| Progress Reports | <div> <div>Component Description:</div> <div>Legal fees for Progress Reporting for repacking project</div> <div>Amount:</div> <div>\$142.50</div> </div> <div> <div>Component Description:</div> <div>Legal fees associated with the repacking project</div> <div>Amount:</div> <div>\$255.00</div> </div> <div> <div>Component Description:</div> <div>Legal fees associated with the repacking project</div> <div>Amount:</div> <div>\$85.00</div> </div> |

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| | <p>Component Description: Legal fees for Progress Reporting for Repacking Project</p> <p>Amount: \$104.50</p> |
| | <p>Component Description: Legal fees for Progress Reporting for Repacking Project</p> <p>Amount: \$79.50</p> |
| | <p>Component Description: Legal fees for Progress Reporting for Repacking Project</p> <p>Amount: \$104.50</p> |
| | <p>Component Description: Legal fees for Progress Reporting for Repacking Project</p> <p>Amount: \$31.50</p> |
| Additional Field Engineering Service, 1 Days | Information not provided. |
| Perform engineering study for new channel assignment and antenna development | Information not provided. |
| Prepare and or review reimbursement form | <p>Component Description: Legal fees for FCC repacking</p> <p>Amount: \$89.25</p> |
| Project management of the transition | <p>Component Description: Project Management</p> <p>Amount: \$1,802.15</p> |

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| Component Description: | Project Management |
| Amount: | \$2,408.80 |

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| Component Description: | Project Management |
| Amount: | \$174.85 |

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| Component Description: | Project Management |
| Amount: | \$1,870.50 |

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| Component Description: | Project Management |
| Amount: | \$1,592.80 |

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| Component Description: | Project Management |
| Amount: | \$3,254.10 |

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| Component Description: | Project Management |
| Amount: | \$3,180.15 |

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| Component Description: | Project Management |
| Amount: | \$214.15 |

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|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$2,404.60 |

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|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$66.20 |

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|--|---|--|
| | Component Description: Amount: | Project Management \$2,111.80 |
| | Component Description: Amount: | Project Management \$1,884.90 |
| | Component Description: Amount: | Project Management \$3,759.10 |
| Attorney Fees - Negotiation of lease and other matters for shared locations | Component Description: Amount: | Legal Services \$127.50 |
| | Component Description: Amount: | Legal Services \$127.50 |
| | Component Description: Amount: | Legal Services \$255.00 |
| | Component Description: Amount: | Legal Fees for Salisbury location only \$444.00 |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Component Description: Amount: | Legal Services \$340.00 |
| | Component Description: Amount: | Legal fees associated with the repacking project \$168.00 |

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| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | Information not provided. |

**Cost
Information**

Other Expenses

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|--------------------------------|--------------------|--|--------------------|------------------------------|
| Other Expenses | \$50,870.00 | \$46,320.00 | | \$21,270.00 | |
| Equipment Delivery and Handling Charges | <i>\$18,320.00</i> | \$18,320.00 | Transmitter shipping shown as options on attached quotes. | \$18,320.00 | N/A |
| MVPD Notification of Channel Change | <i>\$1,000.00</i> | \$1,000.00 | Notification will need to be made to MVPD's as required. Applicant to explore using an outside firm to determine which facilities will need to be notified and send the appropriate notification letters. | N/A | N/A |

| | | | | | |
|--|--------------------|----------------|---|----------------|-----|
| Disposal Costs (for equipment and other waste, net of any salvage value) | \$20,000.00 | \$20,000.00 | Applicant will be required to dispose of the current transmission line and transmitter and heavy oil filled high voltage power supplies. These cannot be disposed of in a typical landfill. | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$7,000.00 | N/A | \$2,950.00 | N/A |
| Sub-total | \$50,870.00 | \$46,320.00 | N/A | \$21,270.00 | N/A |
| Total for all systems | \$1,343,637.90 | \$1,253,272.90 | N/A | \$1,102,908.37 | N/A |

Components

Actual Information
Description

File Name

| | |
|--|---|
| Equipment Delivery and Handling Charges | Component Description: WCPB-610-Equipment Delivery and Handling Amount: \$916.00 |
| | Component Description: WCPB-610-Equipment Delivery and Handling Amount: \$4,122.00 |
| | Component Description: Line 2.1 and 2.2 on quote p#2958A Line 5 on invoice 11448A transportation and offloading 50% deposit Amount: \$4,580.00 |
| | Component Description: WCPB-610-Equipment Delivery and Handling Amount: \$4,122.00 |
| | Component Description: Line item 2 on invoice Line s 2.1 and 2.2 on quote. transportation and offloading 50% deposit Amount: \$4,580.00 |
| MVPD Notification of Channel Change | Information not provided. |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided. |

| | | | | | |
|--------------------------------------|---|-------------------------------|---|----------------|------------|
| DTV Medical Facility Notification | <table><tr><td data-bbox="699 94 1114 394">Component Description:</td><td data-bbox="1114 94 1433 394">Medical Notification Mailing for WCPB</td></tr><tr><td data-bbox="699 394 1114 394">Amount:</td><td data-bbox="1114 394 1433 394">\$2,950.00</td></tr></table> | Component Description: | Medical Notification Mailing for WCPB | Amount: | \$2,950.00 |
| Component Description: | Medical Notification Mailing for WCPB | | | | |
| Amount: | \$2,950.00 | | | | |

| Cost Information | Grand Total | | | |
|------------------|-----------------------|-----------------------------|----------------|----------------|
| | | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
| | | | | |
| | Total for all systems | \$1,343,637.90 | \$1,253,272.90 | \$1,102,908.37 |

| 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. | Yes |
| | 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 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.

| | |
|--|---|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> | |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p> | <p>Carl R Wolfe <i>Director, Transmission and Distribution</i></p> <p>07/22/2020</p> |

| Certification | Section | Question | Response |
|---------------|---|--|----------|
| | Submission of Final Allocation or Accounting Information Statements | <p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p> | |
| | | <ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents 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. 2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. | |

3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
4. 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.
5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
6. 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.

Carl R Wolfe
*Director,
Transmission
and
Distribution*

07/22/2020

Attachments