

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 40618 Service: DTV Call WCPB Channel: 16 (UHF)

Sign:

File **0000027915**

Number:

ID:

FRN: **0003857380** Date **11/17**

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 Name and Information Reimbursement Contact Information

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

Preparer Contact Information

Preparer Contact Name and Information

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

| rs | 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 | |
| Manufacturer and Type | Model | TDU2- 10K0LV |
| | Year | 2003 |
| | Туре | 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 |
| | Туре | 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 leashold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Auxiliary Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|--------------------------|--|
| Bag Filter | Bag type water filtration for heat exchanger system. |
| Coolant | The coolant used for the transmitter heat exchanger is not included in the transmitter price |
| Remote Control Interface | License required to interface transmitter into current remote control system |
| 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 | |
| Manufacturer and Type | Model | TDU2- 10K0LV |
| | Year | 2003 |
| | Туре | 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

| Question | Response |
|----------|----------|
| | Question |

| 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 |
| | Туре | 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 leashold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Primary Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|---------------------------------|---|
| Motorized Switch - Filter Input | Switches main or aux transmitter into mask filter |
| 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. |
| 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 |
| Remote Control Interface | License required to interface transmitter into current remote control system |
| 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. |
| Bag Filter | Bag type water filtration for heat exchanger system. |
| Rigid Coax Line | Rigid interconnection coax lines from transmitter to filter to antenna switch. |

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 | Тор |
| | Polarization | Horizontal |
| | Туре | Broadband Panel |
| | Number of Stations Supported | 1 |
| | Number of Panels | 16 |
| | Design power capacity in use | 50.0 % |
| | Lower Limit | 470.00 MH |

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

| | Section | Question | Response |
|----|--|--|---|
| al | Services Costs 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 | Prepare and file Form FCC Construction Permit Application | Yes |
| Services | 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

Other Professional Services Expenses Not Listed

| Services Costs | 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 Not Listed

Expenses 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 | | \$622,831.46 | |
| 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 |
| 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 | \$17,437.90 | N/A |

| Remote Control | \$2,197.50 | \$2,197.50 | License required to | \$0.00 | N/A |
|-------------------|-------------|-------------|---------------------|-------------|-----|
| Interface | | | interface | | |
| | | | transmitter into | | |
| | | | current remote | | |
| | | | control system. | | |
| | | | These are in | | |
| | | | use now on | | |
| | | | the Comark | | |
| | | | transmitters. | | |
| | | | This IS NOT | | |
| | | | an upgrade. | | |
| Coolant | \$814.00 | \$814.00 | The coolant | \$736.56 | N/A |
| | | | used for the | | |
| | | | transmitter | | |
| | | | heat | | |
| | | | exchanger is | | |
| | | | not included in | | |
| | | | the transmitter | | |
| | | | price. See | | |
| | | | attached | | |
| | | | coolant quote. | | |
| Motorized | \$26,195.00 | \$26,195.00 | Electric | \$26,195.00 | N/A |
| Switch | | | 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 | | |

| CIF Mask | \$75,207.00 | \$75,207.00 | Constant | \$75,207.00 | N/A |
|----------------|-------------|-------------|---|-------------|------|
| filter | | | 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. | | |
| Motorized | \$16,425.00 | \$16,425.00 | Motorized | \$16,425.00 | N/A |
| Switch - | ψ10,420100 | ψ10,120.00 | switch | Ψ10,120.00 | ,, . |
| Filter Input | | | switches main | | |
| i iiioi iiipat | | | or aux | | |
| | | | | | |
| | | | | | |
| | | | transmitter into | | |
| | | | transmitter into filter. Station | | |
| | | | transmitter into filter. Station currently uses | | |
| | | | transmitter into filter. Station currently uses motorized | | |
| | | | transmitter into filter. Station currently uses motorized switch but | | |
| | | | transmitter into filter. Station currently uses motorized switch but can't be moved | | |
| | | | transmitter into filter. Station currently uses motorized switch but can't be moved while on pre- | | |
| | | | transmitter into filter. Station currently uses motorized switch but can't be moved while on pre- repack | | |
| | | | transmitter into filter. Station currently uses motorized switch but can't be moved while on pre- repack channel. See | | |
| | | | transmitter into filter. Station currently uses motorized switch but can't be moved while on pre- repack | | |

| 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 |
| Auxiliary Transmitter PRLX-U8 | \$521,286.50 | \$460,886.50 | | \$449,411.56 | |
| 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 |

| 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 |
| 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. | \$5,000.00 | 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 |
|-----------------------------|----------------|----------------|--|----------------|-----|
| 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 |
| Sub-total | \$1,177,837.90 | \$1,094,902.90 | N/A | \$1,072,243.02 | N/A |
| Total for all systems | \$1,344,034.18 | \$1,253,669.18 | N/A | \$1,134,092.05 | N/A |

Components

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

| Rigid Coax Line | | |
|-----------------|---------------------------------|--|
| | Component Description: | WCPB-110-1st Primary Transmitter - |
| | Amount: | Rigid Coax Line \$130.00 |
| | Component Description: | 20' coax sections line 3.2 on quote d included on invoice line 3 50% |
| | Amount: | deposit \$1,300.00 |
| | Component Description: | WCPB-110-1st Primary Transmitter - Rigid Coax Line |
| | Amount: | \$1,170.00 |
| Bag Filter | | |
| | Component Description: | WCPB-110-1st |
| | | Primary Transmitter - Bag Filter |
| | Amount: | |
| | | Transmitter - Bag Filter \$348.75 bag filler line 3.1 on quote included on line 3 on invoice. 50% |
| | Amount: | Transmitter - Bag Filter \$348.75 bag filler line 3.1 on quote included on line 3 on |
| | Amount: Component Description: | Transmitter - Bag Filter \$348.75 bag filler line 3.1 on quote included on line 3 on invoice. 50% deposit |

| Site Design and Survey | | |
|--------------------------|-------------------------------|------------------------------------|
| | Component Description: | Site Survey |
| | Amount: | \$2,137.90 |
| | Component Description: | SYSTEM DESIGN SERVICES/SITE |
| | | SURVEY |
| | Amount: | \$15,300.00 |
| Remote Control Interface | Information not provided. | |
| Coolant | | |
| | Component Description: | Coolant for |
| | Amount: | Transmitter \$736.56 |
| | Amount. | φι 30.30 |
| Motorized Switch | | |
| | Component Description: | WCPB-110-1st |
| | | Primary |
| | | Transmitter - Motorized Coaxial |
| | | Switch |
| | Amount: | \$1,309.75 |
| | Component Description: | WCPB-110-1st |
| | Component Description. | Primary |
| | | Transmitter - |
| | | Motorized Coaxial |
| | | Switch |
| | Amount: | \$11,787.75 |
| | Component Description: | line 3.3 on quote |
| | | included in line 3 |
| | | on invoice |
| | Amount: | \$13,097.50 |

| CIF Mask filter | | |
|---------------------------|-------------------------------|-----------------------------------|
| | Component Description: | WCPB-110-1st Primary |
| | | Transmitter - CIF |
| | | Mask Filter |
| | Amount: | \$3,760.35 |
| | Component Description: | WCPB-110-1st |
| | | Primary |
| | | Transmitter - CIF |
| | | Mask Filter |
| | Amount: | \$33,843.15 |
| | Component Description: | line 3.4 on quote, |
| | | included on line 3 |
| | | on invoice, |
| | Amount: | \$37,603.50 |
| Motorized Switch - Filter | | |
| Input | Component Description: | WCPB-110-1st |
| | | Primary |
| | | Transmitter - |
| | | Motorized Coaxial Switch for Mask |
| | | Filter Input |
| | Amount: | \$821.25 |
| | | |
| | 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 |
| | Amount: | Filter Input \$7,391.25 |
| | Allibuit. | ψε,υσι.Ζυ |

| Other Electrical Service: Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. | Component Description: Amount: | Salisbury location installation of wiring for new transmitter \$5,290.00 |
|--|---------------------------------|--|
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | Component Description: | SYSTEM, WCPB |
| | | PRLX U8 D16 |
| | Amount: | \$23,500.00 |
| | Component Description: | SYSTEM, WCPB |
| | | PRLX U8 D16 |
| | Amount: | \$211,500.00 |
| | Component Description: | Forklift delivery |
| | Amount: | \$1,965.00 |
| | Component Description: | line 1a,1b,1c on |
| | | invoice. Line 1- |
| | | 1.17 on quote D |
| | | 50% deposit |
| | Amount: | \$235,000.00 |

| Rigid Coax Line | | |
|--------------------------|-----------------------------|--------------------|
| | Component Description: | WCPB-150-1st |
| | | Auxiliary |
| | | Transmitter - |
| | | Rigid Coax Line |
| | Amount: | \$130.00 |
| | Component Description: | WCPB-150-1st |
| | | Auxiliary |
| | | Transmitter - |
| | | Rigid Coax Line |
| | | Hitachi Kokusai |
| | | Electric Comark |
| | | LLC 11448-3 |
| | Amount: | \$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 |
| Remote Control Interface | e Information not provided. | |

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW **Component Description:** WCPB-150-1st Auxiliary Transmitter - UHF Liquid Cooled Solid State, 8.2-13 kW \$21,705.00 Amount: **Component Description:** SYSTEM, WCPB PRLX US 016 Amount: \$195,345.00 **Component Description:** This is for items 4a,4b,4c on invoice. Also quote p#2958A Auxiliary. 1.1-1.17 Amount: \$217,050.00

Other Electrical Service: Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor.

Component Description: Proposal: 2019-

27

Amount: \$5,000.00

| | Component Description: | WCPB-150-1st |
|---------|------------------------|---------------------|
| | | Auxiliary |
| | | Transmitter - Bag |
| | | Filter |
| | Amount: | \$348.75 |
| | Component Description: | WCPB-150-1st |
| | | Auxiliary |
| | | Transmitter - Bag |
| | | Filter |
| | Amount: | \$3,138.75 |
| | Component Description: | Bag Filter 50% |
| | | deposit line 3.1 on |
| | | quote a part of |
| | | line 6 on invoice |
| | | 11448a |
| | Amount: | \$3,487.50 |
| Coolant | | |
| | Component Description: | Coolant for |
| | | Transmitter |
| | Amount: | \$736.56 |

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 | |
| Antenna Optimizing | \$3,000.00 | \$3,000.00 | Optimize antenna match from channel 28 to channel 16 | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$3,000.00 | N/A |
| Sub-total | \$9,730.00 | \$9,400.00 | N/A | \$3,000.00 | N/A |
| Total for all systems | \$1,344,034.18 | \$1,253,669.18 | N/A | \$1,134,092.05 | N/A |

Components

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

Cost Transmission Line

Information Information not provided.

Cost Tower Equipment and Rigging Costs

Information Information not provided.

Information

Cost 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 Cos |
|--|--------------------------------|-------------------|--|-------------|------------|
| Outside Professional Services | \$105,200.00 | \$102,650.00 | | \$36,182.75 | |
| Progress Reports | \$28,000.00 | \$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 | \$6,400.00 | \$6,400.00 | Initial sweep of antenna to evaluate operation on channel 21 from channel 28. | N/A | N/A |

| Attorney Food | \$4,210.00 | \$5,000.00 | Fees related | \$571.50 | N/A |
|--|------------|------------|----------------|----------|------|
| Attorney Fees - Negotiation | φ4,∠1∪.∪∪ | φυ,υυυ.υυ | to multi-party | φυ/ 1.50 | IN/A |
| of lease and | | | resolution | | |
| other matters | | | agreement | | |
| for shared | | | with Maryland | | |
| locations | | | Public TV, | | |
| | | | WETA and | | |
| | | | HME Equity | | |
| | | | Fund II, LLC. | | |
| | | | Involved | | |
| | | | several | | |
| | | | stations | | |
| | | | moving | | |
| | | | channels to | | |
| | | | accommodate | | |
| | | | WETA | | |
| | | | moving from | | |
| | | | ch 14 to 31. | | |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | \$89.25 | 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 engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |

| – | | | | | |
|--|----------------|----------------|-----|----------------|-----|
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | 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 | \$508.00 | N/A |
| Project management of the transition | \$44,240.00 | \$42,000.00 | N/A | \$34,211.50 | N/A |
| Sub-total | \$105,200.00 | \$102,650.00 | N/A | \$36,182.75 | N/A |
| Total for all systems | \$1,344,034.18 | \$1,253,669.18 | N/A | \$1,134,092.05 | N/A |

Components

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

Component Description: Legal fees for

Progress
Reporting for
Repacking Project

Amount: \$104.50

Component Description: Legal fees for

Progress Reporting for Repacking Project

Amount: \$31.50

Component Description: Legal fees for

Progress
Reporting for
Repacking Project

Amount: \$79.50

Component Description: Legal fees for

Progress
Reporting for
Repacking Project

Amount: \$104.50

Component Description: Legal fees

associated with the repacking

project

Amount: \$85.00

Additional Field Engineering Service, 1 Days Information not provided.

| Attorney Fees - Negotiation of lease and other matters for shared locations | Component Description: Amount: | Legal Services \$127.50 |
|--|--------------------------------|--|
| | Component Description: Amount: | Legal Services \$255.00 |
| | Component Description: | Legal Fees for Salisbury location only |
| | Amount: | \$444.00 |
| | Component Description: Amount: | Legal Services \$127.50 |
| Prepare and or review reimbursement form | Component Description: | Legal fees for |
| | Amount: | FCC repacking \$89.25 |
| Perform engineering study for new channel assignment and antenna development | Information not provided. | |
| Prepare engineering section of 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. | |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit | Information not provided. | |

Attorney Fees -Prepare and File FCC Form 2100 (main), **Component Description:** Legal Services License to Cover Application \$340.00 Amount: **Component Description:** Legal fees associated with the repacking project \$168.00 Amount: Project management of the transition **Component Description: Project** management Amount: \$4,194.00 **Component Description: Project** Management Amount: \$2,225.35 **Component Description: Project** Management Amount: \$1,802.15 **Component Description: Project** Management Amount: \$2,408.80 **Component Description: Project** Management \$1,870.50 Amount:

Component Description: Project

Management

Amount: \$1,592.80

Component Description:

Project Management

Amount:

\$3,254.10

Component Description:

Project

Amount:

Management \$214.15

Component Description:

Project

Amount:

Management

\$3,068.05

Component Description:

Project

Amount:

Management \$2,404.60

Component Description:

Project

Amount:

Management

\$3,759.10

Component Description:

Project

Amount:

Management

\$66.20

Component Description:

Project

Amount:

Management

\$174.85

Component Description:

Project

Amount:

Management

\$3,180.15

Component Description:

Project

Amount:

Management

\$2,111.80

Component Description:

Project

Management

Amount:

\$1,884.90

Cost Information

Other Expenses

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

| | | | Estimated | | |
|---|-----------------------------|-------------------|---|-------------|------------------------------|
| Description | Predetermined Cost Estimate | Estimated Cost | Cost Justification | Actual Cost | Actual Cost Justification |
| Other Expenses | \$51,266.28 | \$46,716.28 | | \$22,666.28 | |
| DTV Medical Facility Notification | \$11,550.00 | \$7,000.00 | N/A | \$2,950.00 | 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 |
| MVPD Notification of Channel Change | \$1,200.00 | \$1,200.00 | Please see Estimated Cost Justification WCPB-610- MVPD Notifications v0 | \$1,200.00 | N/A |

| Equipment Delivery and Handling Charges | \$18,516.28 | \$18,516.28 | Estimated Cost Justification WCPB-610- Equipment Delivery and Handling v0 | \$18,516.28 | N/A |
|---|----------------|----------------|---|----------------|-----|
| Sub-total | \$51,266.28 | \$46,716.28 | N/A | \$22,666.28 | N/A |
| Total for all systems | \$1,344,034.18 | \$1,253,669.18 | N/A | \$1,134,092.05 | N/A |

Components

| Actual Information Description | File Name | |
|--|--------------------------------|---|
| DTV Medical Facility Notification | Component Description: Amount: | Medical Notification Mailing for WCPB \$2,950.00 |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided. | |
| MVPD Notification of Channel Change | Component Description: Amount: | MVPD Notification Mailing \$1,200.00 |

Equipment Delivery and Handling Charges

Component Description: Truck rental and

fuel for repack

Amount: \$196.28

Component Description: WCPB-610-

Equipment Delivery and

Handling \$916.00

Component Description: WCPB-610-

Amount:

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

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

Cost Information

Grand Total

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|-----------------------|--------------------------------|----------------|----------------|
| Total for all systems | \$1,344,034.18 | \$1,253,669.18 | \$1,134,092.05 |

| Reimbursem | entestiatus | 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 |

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 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 abovenamed applicant for the Authorization(s) specified above. Carl R Wolfe
Director,
Transmission
and
Distribution

11/17/2020

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 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 certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. Carl R Wolfe Director, Transmission and Distribution

11/17/2020

Section Question Response

Submission of Final Allocation or Accounting Information Statements WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 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 abovenamed 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 abovenamed applicant for the Authorization(s) specified above. Carl R Wolfe Director, Transmission and Distribution

11/17/2020

Attachments