



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **65944** | Service: **DTV** | Call **WMPB** | Channel: **22 (UHF)** |
ID: | Sign: |
File **0000027906**
Number:
FRN: **0003857380** | Date **09/22**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
MARYLAND PUBLIC BROADCASTING COMMISSION Doing Business As: MARYLAND PUBLIC TELEVISION	Larry D. Unger, President & CEO 11767 OWINGS MILLS BOULEVARD OWINGS MILLS, MD 21117 United States	+1 (410) 356- 5600	lunger@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 connecting new repack channel main/aux transmitters to current broadband line and antenna.

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	Used in case of failure of the main
	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- 5K00LV
	Year	2003
	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power Capacity	5.0 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	MPTV-PRLX- U4
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	6.5 kW
	Justification for New Transmitter	Current transmitter is not supported for a channel change. See attached Transmitter Replace justification letter from manufacturer. An increase of power is part a multi-station agreement provided to the FCC to accommodate moving WETA to channel 31.

**Auxiliary
Transmitter**

Other Transmitter Costs

Section	Question	Response
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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
Motorized Switch	Switches which transmitter will feed the mask filter. This is not an upgrade as station uses a motorized switch. Current switch can't be utilized and have station remain on-air.
Bag Filter	Bag type water filtration for heat exchanger system. Current pre-repack cooling system has this filtering.
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.
Coolant	The coolant used for the transmitter heat exchanger is not included in the transmitter price

**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- 5K00LV
	Year	2003
	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power Capacity	5.0 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-U4
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	6.5 kW
	Justification for New Transmitter	Current transmitter is not supported for a channel change. See attached Transmitter Replace justification letter from manufacturer. An increase of power is part a multi-station agreement provided to the FCC 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
Rigid Coax Line	Rigid interconnection coax lines from transmitter to filter to antenna switch.
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
Motorized Switch	Electric actuated switch to switch main /auxiliary transmitters into antenna. Current transmitter has this capability but switch cannot be moved as it is in pre-repack service.
Primary Transmitter Installation	Primary transmitter install and materials
12-Pole Mask Filter	Sharp tuned mask filter to further protect adjacent channel Class A WMJF-CD, Ch. 23 and WMPT, Ch 21. Part of a multi-party resolution provided to the FCC to accommodate moving WETA to channel 31 .
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. Current pre-repack cooling system has this filtering.

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	No

Transmission Line

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

**Primary
Transmission Line****Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	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	Dielectric
	Type	Rigid
	Diameter	Other
	Other Diameter	7 inches
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1000 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name		Description
Primary Transmission Line - Tune Elbows		Primary Transmission Line - Tune Elbows

**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	200
	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	Electrical sweep to evaluate suitability of antenna and line on repack channel. 6400 Sweep and tower climber to optimize Ant /line for repack channel. 6400 plus 3000.
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Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Progress Reporting	Prepare and file 10 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.
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**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-U4	\$428,007.78	\$423,667.78		\$405,145.47	
12-Pole Mask Filter	<i>\$91,463.00</i>	\$91,463.00	Sharp tuned mask filter to further protect adjacent channel Class A WMJF-CD, Ch. 23 and WMPT, Ch 21. Part of a multi-party resolution provided to the FCC to accommodate moving WETA to channel 31 .	\$91,463.00	N/A
Primary Transmitter Installation	<i>\$281.68</i>	\$281.68	WMPB Blue Mountain Delivery Invoice #20813 Budget Revision Justification Letter	\$281.68	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	\$3,190.00	N/A
UHF - Liquid Cooled Solid State Transmitter 4.9 - 6.5 kW	\$273,500.00	\$269,160.00	see Estimated Cost Justification WMPB-110-1st Primary Transmitter - UHF Liquid Cooled Solid State, 4.9-6.5 kW v0	\$264,580.00	N/A
Rigid Coax Line	\$2,600.00	\$2,600.00	Rigid interconnection coax lines from transmitter to filter to antenna switch.	\$2,600.00	N/A
Remote Control Interface	\$2,205.00	\$2,205.00	License required to interface transmitter into current remote control system	\$0.00	N/A

Coolant	\$1,000.00	\$1,000.00	The coolant used for the transmitter heat exchanger is not included in the transmitter price	\$272.69	N/A
Motorized Switch	\$18,110.00	\$18,110.00	Electric actuated switch to switch main /auxiliary transmitters into antenna. Current transmitter has this capability but switch cannot be moved as it is in pre-repack service.	\$18,110.00	N/A
Site Design and Survey	\$17,673.10	\$17,673.10	see Estimated Cost Justification WMPB-110-1st Primary Transmitter - Transmitter Site Survey and Design v0	\$17,673.10	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.	\$6,975.00	N/A
Auxiliary Transmitter MPTV-PRLX-U4	\$316,905.00	\$281,415.00		\$249,419.50	

Remote Control Interface	\$2,205.00	\$2,205.00	License required to interface transmitter into current remote control system	\$0.00	N/A
Bag Filter	\$6,975.00	\$6,975.00	N/A	\$6,626.25	N/A
Motorized Switch	\$16,425.00	\$16,425.00	Switches which transmitter will feed the mask filter. This is not an upgrade as station uses a motorized switch. Current switch can't be utilized and have station remain on-air.	\$7,391.25	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	\$3,190.00	N/A
Rigid Coax Line	\$2,600.00	\$2,600.00	Rigid interconnection coax lines from transmitter to filter to antenna switch.	\$2,470.00	N/A

UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	\$273,500.00	\$238,010.00	See Estimated Cost Justification WMPB-150- 1st Auxiliary Transmitter - UHF Liquid Cooled Solid State, 4.9-6.5 kW v0. Current transmitter is not supported for a channel change. See attached Transmitter Replace justification letter from manufacturer.	\$229,742.00	N/A
Coolant	\$1,000.00	\$1,000.00	The coolant used for the transmitter heat exchanger is not included in the transmitter price	\$0.00	N/A
Sub-total	\$744,912.78	\$705,082.78	N/A	\$654,564.97	N/A
Total for all systems	\$905,392.78	\$859,102.78	N/A	\$701,791.42	N/A

Components

Actual Information
Description

File Name

12-Pole Mask Filter	<div> <div> Component Description: </div> <div> WMPB-110-1st Primary Transmitter - 12 Pole Mask Filter </div> </div> <div> Amount: </div> <div> \$41,158.35 </div>
Primary Transmitter Installation	<div> <div> Component Description: </div> <div> WMPB-110-1st Primary Transmitter - 12 Pole Mask Filter </div> </div> <div> Amount: </div> <div> \$4,573.15 </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> 12 pole design. Item 2.5 on quote 50% deposit </div> </div> <div> Amount: </div> <div> \$45,731.50 </div>

UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	<div> Component Description: System, WMPB PRLX U4 </div> <div> Amount: \$13,458.00 </div>
	<div> Component Description: SYSTEM, WMPB PRLX U4 </div> <div> Amount: \$121,122.00 </div>
	<div> Component Description: 50% deposit for Lines 1,2 and 3 on invoice. 11447. System components with installation and check out & proof </div> <div> Amount: \$130,000.00 </div>
Rigid Coax Line	<div> Component Description: WMPB-110-1st Primary Transmitter - Rigid Coax Line </div> <div> Amount: \$130.00 </div>
	<div> Component Description: WMPB-110-1st Primary Transmitter - Rigid Coax Line </div> <div> Amount: \$1,170.00 </div>
	<div> Component Description: 20' coax sections primary line 2.4 on main 50 % deposit </div> <div> Amount: \$1,300.00 </div>
Remote Control Interface	Information not provided.

Coolant	<div> <div>Component Description:</div> <div>5 Gallons DISTILLED- please note the current price</div> </div> <div> <div>Amount:</div> <div>\$272.69</div> </div>
Motorized Switch	<div> <div>Component Description:</div> <div>WMPB-110-1st Primary Transmitter - Motorized Coaxial Switch</div> </div> <div> <div>Amount:</div> <div>\$8,149.50</div> </div> <div> <div>Component Description:</div> <div>WMPB-110-1st Primary Transmitter - Motorized Coaxial Switch</div> </div> <div> <div>Amount:</div> <div>\$905.50</div> </div> <div> <div>Component Description:</div> <div>Motorized switch for main. 50% deposit. line 2.6</div> </div> <div> <div>Amount:</div> <div>\$9,055.00</div> </div>
Site Design and Survey	<div> <div>Component Description:</div> <div>SYS-DES-SS- PARLX-UL</div> </div> <div> <div>Amount:</div> <div>\$15,300.00</div> </div> <div> <div>Component Description:</div> <div>Sweep of antenna system WMPB Baltimore</div> </div> <div> <div>Amount:</div> <div>\$2,373.10</div> </div>

Bag Filter	<table> <tr> <td data-bbox="719 174 1027 208">Component Description:</td><td data-bbox="1161 174 1366 324">WMPB-110-1st Primary Transmitter - Bag Filter</td></tr> <tr> <td data-bbox="719 338 831 371">Amount:</td><td data-bbox="1161 338 1278 371">\$3,138.75</td></tr> <tr> <td data-bbox="719 477 1027 510">Component Description:</td><td data-bbox="1161 477 1366 627">WMPB-110-1st Primary Transmitter - Bag Filter</td></tr> <tr> <td data-bbox="719 640 831 674">Amount:</td><td data-bbox="1161 640 1257 674">\$348.75</td></tr> <tr> <td data-bbox="719 779 1027 813">Component Description:</td><td data-bbox="1161 779 1366 929">bag filter for Main xmtr. 50 % deposit upon ordering. line 2.3</td></tr> <tr> <td data-bbox="719 943 831 976">Amount:</td><td data-bbox="1161 943 1278 976">\$3,487.50</td></tr> </table>	Component Description:	WMPB-110-1st Primary Transmitter - Bag Filter	Amount:	\$3,138.75	Component Description:	WMPB-110-1st Primary Transmitter - Bag Filter	Amount:	\$348.75	Component Description:	bag filter for Main xmtr. 50 % deposit upon ordering. line 2.3	Amount:	\$3,487.50
Component Description:	WMPB-110-1st Primary Transmitter - Bag Filter												
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Component Description:	WMPB-110-1st Primary Transmitter - Bag Filter												
Amount:	\$348.75												
Component Description:	bag filter for Main xmtr. 50 % deposit upon ordering. line 2.3												
Amount:	\$3,487.50												
Remote Control Interface	Information not provided.												
Bag Filter	<table> <tr> <td data-bbox="719 1182 1027 1216">Component Description:</td><td data-bbox="1161 1182 1366 1332">WMPB-150-1st Auxiliary Transmitter - Bag Filter</td></tr> <tr> <td data-bbox="719 1346 831 1379">Amount:</td><td data-bbox="1161 1346 1278 1379">\$3,138.75</td></tr> <tr> <td data-bbox="719 1485 1027 1518">Component Description:</td><td data-bbox="1161 1485 1366 1635">line 2.3 on quote for auxiliary unit bag filter 50% deposit</td></tr> <tr> <td data-bbox="719 1648 831 1682">Amount:</td><td data-bbox="1161 1648 1278 1682">\$3,487.50</td></tr> </table>	Component Description:	WMPB-150-1st Auxiliary Transmitter - Bag Filter	Amount:	\$3,138.75	Component Description:	line 2.3 on quote for auxiliary unit bag filter 50% deposit	Amount:	\$3,487.50				
Component Description:	WMPB-150-1st Auxiliary Transmitter - Bag Filter												
Amount:	\$3,138.75												
Component Description:	line 2.3 on quote for auxiliary unit bag filter 50% deposit												
Amount:	\$3,487.50												
Motorized Switch	<table> <tr> <td data-bbox="719 1814 1027 1848">Component Description:</td><td data-bbox="1161 1814 1366 2000">WMPB-150-1st Auxiliary Transmitter - Motorized Coaxial Switch</td></tr> <tr> <td data-bbox="719 2016 831 2049">Amount:</td><td data-bbox="1161 2016 1278 2049">\$7,391.25</td></tr> </table>	Component Description:	WMPB-150-1st Auxiliary Transmitter - Motorized Coaxial Switch	Amount:	\$7,391.25								
Component Description:	WMPB-150-1st Auxiliary Transmitter - Motorized Coaxial Switch												
Amount:	\$7,391.25												

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:	Proposal: 2019-71 \$3,190.00
Rigid Coax Line	Component Description: Amount: Component Description: Amount:	WMPB-150-1st Auxiliary Transmitter - Rigid Coax Line \$1,170.00 20' coax section for auxiliary line 2.4 on quote 50% deposit \$1,300.00
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	Component Description: Amount: Component Description: Amount: Component Description: Amount:	SYSTEM, WMPB PRLX U4 D22 \$107,104.50 Motorized Switch line2.5 on quote. 50% deposit \$8,212.50 lines 1-1.17 on quote. for auxiliary unit. 50% deposit \$114,425.00
Coolant	Information not provided.	

Cost Information **Antennas**
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	\$450.00	\$450.00		\$450.00	
Primary Transmission Line - Tune Elbows	<i>\$450.00</i>	\$450.00	Please see WMPB Transmission Line - Tune Elbows Budget Justification Cover Letter	\$450.00	N/A
Sub-total	\$450.00	\$450.00	N/A	\$450.00	N/A
Total for all systems	\$905,392.78	\$859,102.78	N/A	\$701,791.42	N/A

Components

Actual Information	
Description	File Name
Primary Transmission Line - Tune Elbows	<div><div>Component Description:</div><div>Tune elbows in the TV transmission line as part of the TV Re-Pack</div><div>Amount:</div><div>\$450.00</div></div>

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	\$108,960.00	\$107,050.00		\$32,666.45	
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.	\$1,039.75	N/A
Project management of the transition	\$31,600.00	\$30,000.00	N/A	\$27,473.20	N/A

Progress Reporting	\$35,000.00	\$35,000.00	Prepare and file 10 required progress reports on FCC Form 2100, Schedule 387 on a quarterly basis with the FCC.	\$551.75	N/A
Additional Field Engineering Service, 1 Days	\$15,800.00	\$15,800.00	Electrical sweep to evaluate suitability of antenna and line on repack channel. \$6400 Sweep and tower climber to optimize Ant /line for repack channel. \$6400 plus \$3000.	\$3,000.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$316.75	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$285.00	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$0.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$0.00	N/A
Sub-total	\$108,960.00	\$107,050.00	N/A	\$32,666.45	N/A
Total for all systems	\$905,392.78	\$859,102.78	N/A	\$701,791.42	N/A

Components

Actual Information
Description

File Name

Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description:	Television Repacking Services - WMPB
	Amount:	\$170.00
	Component Description:	Check status of transition for WMPB
	Amount:	\$170.00
	Component Description:	Television Repacking Services
	Amount:	\$446.25
	Component Description:	reimbursement for just the owings mill location WMPB.
	Amount:	\$126.00
	Component Description:	Professional Services
	Amount:	\$85.00
	Component Description:	Professional Services
	Amount:	\$42.50
Project management of the transition	Component Description:	Project Management
	Amount:	\$2,162.85
	Component Description:	Project Management
	Amount:	\$1,892.40

Component Description:	Project Management
Amount:	\$763.05

Component Description:	Project Management
Amount:	\$66.20

Component Description:	Project Management
Amount:	\$2,416.60

Component Description:	Project Management
Amount:	\$5,990.35

Component Description:	Project Management
Amount:	\$2,280.15

Component Description:	Project Management
Amount:	\$1,388.00

Component Description:	Project Management
Amount:	\$146.10

Component Description:	Project Management
Amount:	\$1,466.55

Component Description:	Project Management
Amount:	\$4,267.55

Component Description:	Project Management
Amount:	\$2,704.60

Component Description:	Project Management
Amount:	\$1,765.90

Component Description:	Project Management
Amount:	\$162.90

Progress Reporting	<div data-bbox="708 174 1374 327"> <p>Component Description: Legal fees associated with the Repacking Project</p> <p>Amount: \$104.50</p> </div> <div data-bbox="708 434 1374 586"> <p>Component Description: Legal fees associated with the repacking project</p> <p>Amount: \$79.50</p> </div> <div data-bbox="708 694 1374 846"> <p>Component Description: Additional items for other locations and other MPT issues.</p> <p>Amount: \$89.25</p> </div> <div data-bbox="708 954 1374 1106"> <p>Component Description: Legal fees associated with the repacking project</p> <p>Amount: \$104.50</p> </div> <div data-bbox="708 1214 1374 1442"> <p>Component Description: Legal Fees associated with Progress Reporting for Repacking Project</p> <p>Amount: \$31.50</p> </div> <div data-bbox="708 1550 1374 1702"> <p>Component Description: Progress Reporting for Repacking Project for WMPB</p> <p>Amount: \$142.50</p> </div>
Additional Field Engineering Service, 1 Days	<div data-bbox="708 1839 1366 1991"> <p>Component Description: sweep of existing antenna system at WMPB</p> <p>Amount: \$3,000.00</p> </div>

<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<table> <tr> <td data-bbox="702 174 1018 210">Component Description:</td><td data-bbox="1147 174 1362 327">WMPB-550-Attorney - License to Cover Application (Main)</td></tr> <tr> <td data-bbox="702 338 815 367">Amount:</td><td data-bbox="1147 338 1246 367">\$148.75</td></tr> <tr> <td data-bbox="702 477 1018 512">Component Description:</td><td data-bbox="1147 477 1374 589">Legal fees associated with the repacking project</td></tr> <tr> <td data-bbox="702 600 815 629">Amount:</td><td data-bbox="1147 600 1246 629">\$168.00</td></tr> </table>	Component Description:	WMPB-550-Attorney - License to Cover Application (Main)	Amount:	\$148.75	Component Description:	Legal fees associated with the repacking project	Amount:	\$168.00
Component Description:	WMPB-550-Attorney - License to Cover Application (Main)								
Amount:	\$148.75								
Component Description:	Legal fees associated with the repacking project								
Amount:	\$168.00								
<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 768 1018 804">Component Description:</td><td data-bbox="1147 768 1370 880">Legal fees for filing form 399/2100 Page 7 of invoice</td></tr> <tr> <td data-bbox="702 891 815 920">Amount:</td><td data-bbox="1147 891 1246 920">\$285.00</td></tr> </table>	Component Description:	Legal fees for filing form 399/2100 Page 7 of invoice	Amount:	\$285.00				
Component Description:	Legal fees for filing form 399/2100 Page 7 of invoice								
Amount:	\$285.00								
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>								
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Information not provided.</p>								
<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Information not provided.</p>								
<p>Prepare and or review reimbursement form</p>	<p>Information not provided.</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	\$51,070.00	\$46,520.00		\$14,110.00	
DTV Medical Facility Notification	\$11,550.00	\$7,000.00	N/A	\$3,750.00	N/A
Equipment Delivery and Handling Charges	<i>\$18,320.00</i>	\$18,320.00	Transmitter shipping and offloading. See transmitter quote options.	\$9,160.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$20,000.00</i>	\$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.	\$0.00	N/A

MVPD Notification of Channel Change	\$1,200.00	\$1,200.00	see Estimated Cost Justification WMPB-610- MVPD Notifications v0	\$1,200.00	N/A
Sub-total	\$51,070.00	\$46,520.00	N/A	\$14,110.00	N/A
Total for all systems	\$905,392.78	\$859,102.78	N/A	\$701,791.42	N/A

Components

Actual Information	
Description	File Name
DTV Medical Facility Notification	<p>Component Description: Medical Notification Mailing</p> <p>Amount: \$3,750.00</p>

Equipment Delivery and Handling Charges	<div> <div> Component Description: Amount: </div> <div> line 2.1 auxiliary transmitter system transporation 50 % deposit \$2,330.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Offloading 50% deposit \$2,250.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> line 2.2 on auxiliary offloading 50% deposit \$2,250.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Transmitter system transportation. 50% deposit \$2,330.00 </div> </div>
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
MVPD Notification of Channel Change	<div> <div> Component Description: Amount: </div> <div> MVPD Notifications \$1,200.00 </div> </div>

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$905,392.78	\$859,102.78	\$701,791.42

Reimbursement Status

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

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

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

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Carl R Wolfe <i>Director, Transmission and Distribution</i></p> <p>09/22/2020</p>

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>09/22/2020</p>

Attachments