

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 72338 Service: DTV Call WHYY-TV Channel:

ID: Sign: 12 (High VHF) File 0000026256

Number:

FRN: **0004061909** Date **11/19**

Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WHYY, INC.	KYRA G. MCGRATH 150 N 6TH STREET PHILADELPHIA, PA 19106 United States	+1 (215) 351- 1200	kmcgrath@whyy. org	Not-for- Profit

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
Robert Gehman ConsultingEngineer Kessler and Gehman Associates, Inc.	Robert Gehman 507 NW 60 Street Suite D Gainesville, FL 32607 United States	+1 (352) 332-3157	bob@kesslerandgehman. 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	Replace transmitter and antenna using existing line. Acquire interim antenna and line for continued operation during construction and duration of the assigned phase. Map and analyze tower; design and implement modifications if required.

Transmitters

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

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	DTT3M
	Year	2010
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	3.5 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?	No
	Manufacturer	
	Model	VAXTE-6R37
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	4.8 kW
	Justification for New Transmitter	The manufacturer of the existing transmitter is out of business and no factory support is available for the existing transmitter. See attachment.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA

	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
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
Freight	Freight
Exhaust System	Exhaust System
Change Order	Change Order
Install and Proof	Install and Proof
RF Switch and Station Load	RF Switch and Station Load
Electrical	Electrical
Mask Filter System	Mask Filter System

Removal of old transmitter	Removal of old transmitter
Standby Exciter and Switch	Standby Exciter with Automatic Change Over Switch
Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission line

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna	Type of change	Purchase New
Description	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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	Horizontal Slotted Coaxial N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	30.0 kW
	Manufacturer	

Model	PSIVSM12DMC- 12
Year	2010

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna	Use	Primary (Main)
Description	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	30.0 kW
	Manufacturer	
	Model	PSIVSM12DMC- 13
	Year	2018

Justification for New Antenna The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	3 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Primary Other Antenna Cost Not Listed

Antenna Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna	Use	Interim
Description	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	30.0 kW
	Manufacturer	
	Model	PSILVLP8DMC- 12/13
	Year	2018

Justification for New Antenna	An interim
	antenna is
	necessary to
	keep station on
	the air during
	primary
	antenna
	replacement
	and for the
	duration of the
	assigned
	phase. Station
	will attempt to
	rent if renting is
	available at
	time of
	acquisition.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

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

Primary Transmission

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	Manufacturer	Unknown
Line Manufacturer and Type	Туре	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1240 feet per run

Primary

Other Transmission Line Expenses Not Listed

Transmission	Naine	Description
	Sweep Tests	Sweep to verify performance on assigned channel

Interim Transmissi

New Transmission Line

on Line Section	Question	Response
New Transmission Line Costs	Use	Interim
Costs	Description of Use	N/A
	Change Type	Purchase New
	Туре	Flexible Air
	Diameter	3 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	1140 feet per run

Justification for New Transmission Line	An interim transmission line is necessary for the interim antenna to keep station on the air during primary antenna replacement and for the duration of the assigned phase. Station will attempt to rent if renting is available at time of acquisition.

Other Transmission Line Expenses Not Listed

Interim Transmission

ion _{Na} ine	Description
Sweep Test	Sweep Test

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Existing Tower Description	Type of change Tower Use Description of Use	Modify Existing Primary (Main) N/A
Description	Description of Use	, ,
	·	N/A
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1027110
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 02' 30.9" N-
	Longitude (NAD83)	075° 14' 21.9" W-
	Overall Structure Height	1091.85 feet
	Support Structure Height	1022.95 feet
	Ground Elevation Above Mean Sea Level (AMSL)	219.81 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Towers, LLC
Date Constructed	04/11/2008

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Call Sign	Service
WHYY-FM	FM
WPHL-TV	DTV
WBEN-FM	FM
WBEB	FM
WDAS-FM	FM
WRFF	FM
WMGK	FM
WIP-FM	FM
	WHYY-FM WPHL-TV WBEN-FM WBEB WDAS-FM WRFF WMGK

Other Types of Users

Users	
WRFF STL	
WIP STL	
WPHL STL	

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Capital Contribution	Capital Contribution

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	262
	Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects.
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	Yes

	Quantity	1
	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	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes

Number of Days	20
Justification	It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services.

Outside Professional

Other Professional Services Expenses Not Listed

al	Services Costs	Description
	Other Engineering Services	Engineering Services not included in predetermined categories
	Other Legal Services	Other Legal Services related to the DTV Repack

Other Expenses

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

Other Expenses

Other Expenses Not Listed

Name	Description
American Tower Temporary Site License	American Tower Temporary Site License
Bank Fees	WHYY, Inc. has insufficient cash/liquidity to pay for eligible project expenditures out of pocket. We will need to borrow from the bank to cover the expenditures pending reimbursement from the FCC. This represents the total bank fee.
Interest	WHYY, Inc. has insufficient cash/liquidity to pay for eligible project expenditures out of pocket. We will need to borrow from the bank to cover the expenditures pending reimbursement from the FCC. This represents the interest expense for the loan.
Other Transaction Fees	Refer to attachment Repack Financing Costs WHYY & WDPB 12.7.17.pdf
WHYY Legal Fee	WHYY, Inc. has insufficient cash/liquidity to pay eligible expenses out of pocket. We will need to borrow from the bank to cover the expenditures pending FCC reimbursement. This is for legal fees associated with the loan application and administration.

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 VAXTE-6R37	\$345,001.47	\$341,551.47		\$185,690.01	
Additional Interior RF System	\$75,000.00	\$75,000.00	N/A	N/A	N/A
Removal of old transmitter	\$1,755.00	\$1,755.00	See attached /uploaded PDF file titled "JDog Junk 3826 v200406jgv1. pdf"	\$1,755.00	N/A
Mask Filter System	\$12,644.87	\$12,644.87	See attached / uploaded PDF file titled "Gates JW30004691- 1 v200420jgv1. pdf"	\$12,644.87	N/A
Electrical	\$1,510.82	\$1,510.82	See attached / uploaded PDF file titled "Gates JW30004691- 1 v200420jgv1. pdf"	\$1,510.82	The Estimated Cost and Actual Cost are both \$1,510.82 Apparently this form is not adding figures correctly.

RF Switch and Station Load	\$16,319.60	\$16,319.60	See attached / uploaded PDF file titled "Gates JW30004691- 1 v200420jgv1. pdf"	\$16,319.60	N/A
Install and Proof	\$16,207.00	\$16,207.00	See attached / uploaded PDF file titled "Gates JW30004691- 1 v200420jgv1. pdf"	\$16,207.00	N/A
Change Order	\$4,211.57	\$4,211.57	See attached / uploaded PDF file titled "Gates US0334375 v200421jgv1. pdf"	\$4,211.57	N/A
Exhaust System	\$14,667.54	\$14,667.54	See attached / uploaded PDF files titled "Temptrol Corp 5033 v200501jgv1. pdf", "Temptrol 5690 v200831jgv1. pdf" and "Temptrol 5725 v200831jgv1. pdf"	\$14,667.54	N/A
Freight	\$4,327.52	\$4,327.52	See attached / uploaded PDF file titled "Gates US0334375 v200421jgv1. pdf"	\$4,327.52	N/A

3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 4.8 kW	\$104,407.55	\$104,407.55	See attached / uploaded PDF file titled "Gates JW30004691- 1 v200420jgv1. pdf"	\$104,407.55	The Estimated Cost and Actual Cost are both \$104,407.55 Apparently this form is not adding figures correctly.
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$9,638.54	N/A
Standby Exciter and Switch	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Sub-total	\$345,001.47	\$341,551.47	N/A	\$185,690.01	N/A
Total for all systems	\$1,737,652.17	\$2,007,831.99	N/A	\$1,289,860.75	N/A

Components

Actual Information Description	File Name	
Additional Interior RF System	Information not provided.	
Removal of old transmitter		
	Component Description:	JDog Junk 3826 v200406jgv1
	Amount:	\$1,755.00

	Component Description:	Gates
	Component Description:	JW30004691-2
		v200420jgv1
	Amount:	\$4,214.95
	Component Description:	Gates
		JW30004691-1
	Amount:	v200420jgv1 \$4,214.95
	7111041111	ψ 1,2 1 T.00
	Component Description:	Gates US0334375
	A.m. a.v.máv	v200421jgv1
	Amount:	\$4,214.97
Electrical		
	Component Description:	Gates
		JW30004691-1
	A management	v200420jgv1
	Amount:	\$503.60
	Component Description:	Gates
		JW30004691-2
		v200420jgv1
	Amount:	\$503.60
	Component Description:	Gates US0334375
		v200421jgv1
	Amount:	\$503.62

RF Switch and Station Load		
	Component Description:	Gates JW30004691-2
	Amount:	v200420jgv1 \$5,439.86
	Component Description:	Gates US0334375 v200421jgv1
	Amount:	\$5,439.88
	Component Description:	Gates
		JW30004691-1 v200420jgv1
	Amount:	\$5,439.86
Install and Proof		
	Component Description:	Gates JW30004691-1
	Amount:	v200420jgv1 \$5,402.33
	Component Description:	Gates JW30004691-2
		v200420jgv1
	Amount:	\$5,402.33
	Component Description:	Gates US0334375
	Amount:	v200421jgv1 \$5,402.34
Change Order	Component Description:	Gates US0334375
		v200421jgv1
	Amount:	\$4,211.57

Exhaust System		
	Component Description:	Temptrol 5690
	Amount:	v200831jgv1 \$6,850.00
	Component Description:	Temptrol 5033
	Amount:	v200501jgv1 \$6,850.00
	Amount.	φ0,030.00
	Component Description:	Temptrol 5725
	Amazinti	v200831jgv1
	Amount:	\$967.54
Freight		
	Component Description:	Gates US0334375
	Amount:	v200421jgv1 \$4,327.52
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v -	Information not provided.	
150 KVA		
High VHF - Air Cooled Solid State Transmitter 4.8 kW		•
	Component Description:	Gates JW30004691-1
		v200420jgv1
	Amount:	\$34,802.51
	Component Description:	Gates
	Component Boothpalen.	JW30004691-2
	Amazinti	v200420jgv1
	Amount:	\$34,802.51
	Component Description:	Gates US0334375
		v200421jgv1
	Amount:	\$34,802.53

Switchgear - industrial 800		
amp	Component Description:	Hatzel 100635B
		v201118jgv1
	Amount:	\$1,200.00
	Component Description:	Hatzel 100635C
		v201118jgv1
	Amount:	\$3,938.54
	Component Description:	Hatzel 100635A
		v201118jgv1
	Amount:	\$4,500.00
Standby Exciter and Switch	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 Interim Antenna PSILVLP8DMC- 12/13	Predetermined Cost Estimate \$79,240.00	Estimated Cost \$77,800.00	Estimated Cost Justification	Actual Cost \$13,999.99	Actual Cost Justificatior
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,500.00	See attached / uploaded PDF file titled "PSI 2115DP v200403jgv1. pdf"	\$1,833.33	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 3 1 /8. feedline (if needed)	\$7,600.00	\$7,400.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

High VHF - High Power Side Mount One Station horizontally polarized	\$36,500.00	\$36,500.00	See attached / uploaded PDF file titled "PSI 2115DP v200403jgv1. pdf"	\$12,166.66	N/A
Primary Antenna PSIVSM12DMC- 13	\$148,740.00	\$143,747.99		\$114,347.99	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,499.99	See attached / uploaded PDF files titled "PSI 2114DP v200403jgv1. pdf" and "PSI 2114 v201118jgv1. pdf"	\$5,499.99	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 3 1 /8. feedline (if needed)	\$7,600.00	\$7,400.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$2,848.00	N/A	\$2,848.00	N/A

High VHF - High Power Side Mount One Station horizontally polarized	\$106,000.00	\$106,000.00	See attached / uploaded PDF file titled "PSI 2114DP v200403jgv1. pdf"	\$106,000.00	N/A
Sub-total	\$227,980.00	\$221,547.99	N/A	\$128,347.98	N/A
Total for all systems	\$1,737,652.17	\$2,007,831.99	N/A	\$1,289,860.75	N/A

Components

<u> </u>		
Actual Information Description	File Name	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Component Description: Amount:	PSI 2115DP v200403jgv1 \$1,833.33
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Information not provided.	
High VHF - High Power Side Mount One Station horizontally polarized	Component Description: Amount:	PSI 2115DP v200403jgv1 \$12,166.66

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Component Description: Amount:	PSI 2114 v201118jgv1 \$3,666.66
	Component Description:	PSI 2114DP
	Amount:	v200403jgv1 \$1,833.33
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing		
antenna	Component Description:	RF SS 6282
		v201119jgv1
	Amount:	\$1,324.00
	Component Description:	RF SS 6865
		v201119jgv1
	Amount:	\$1,524.00
High VHF - High Power Side Mount One Station		
horizontally polarized	Component Description:	PSI 2114
nonzontany polanizou		v201118jgv1
	Amount:	\$70,666.67
	Component Description:	PSI 2114DP
		v200403jgv1
	Amount:	\$35,333.33

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 Cos Justification
Interim Transmission Line	\$71,760.00	\$68,340.00		\$4,500.00	
Sweep Test	\$4,500.00	\$4,500.00	See attached / uploaded PDF file titled "Murlatt WHYY200316R v200820jgv1. pdf"	\$4,500.00	N/A
Flexible Air Transmission Line - dielectric, 3"	\$67,260.00	\$63,840.00	N/A	N/A	N/A
Primary Transmission Line	\$6,400.00	\$6,400.00		\$0.00	
Sweep Tests	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$78,160.00	\$74,740.00	N/A	\$4,500.00	N/A
Total for all systems	\$1,737,652.17	\$2,007,831.99	N/A	\$1,289,860.75	N/A

Components

Actual Information Description	File Name	
Sweep Test		
	Component Description:	Murlatt WHYY200316R v200820jgv1
	Amount:	\$4,500.00
Flexible Air Transmission Line - dielectric, 3"	Information not provided.	

Sweep To	ests
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Information not provided.

Cost Information

Tower Equipment and Rigging Costs

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

Description Primary Tower	Predetermined Cost Estimate \$662,800.00	Estimated Cost \$991,363.40	Estimated Cost Justification	Actual Cost \$791,363.40	Actual Cost Justification
GTOWER Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$26,820.00	Costs provided by tower owner American Tower	\$26,820.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$759,543.40	See attached / uploaded PDF files titled "Train 17768 v200101jgv1. pdf" and "Train 17936 v201119jgv1. pdf"	\$759,543.40	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A

Capital Contribution	\$5,000.00	\$5,000.00	See attached / uploaded PDF file titled "Amer Twr 460227706 v200820jgv1. pdf"	\$5,000.00	N/A
Sub-total	\$662,800.00	\$991,363.40	N/A	\$791,363.40	N/A
Total for all systems	\$1,737,652.17	\$2,007,831.99	N/A	\$1,289,860.75	N/A

Components

Actual Information Description	File Name	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount:	Amer Twr 460222426 v200406jgv1 \$16,345.00
	Component Description:	Amer Twr 460222425
	Amount:	v200406jgv1 \$10,475.00

Major tower reinforcement /modifications	Component Description:	Train 17811
		v200402jgv1
	Amount:	\$200,000.00
	Component Description:	Train 17936
		v201119jgv1
	Amount:	\$12,103.57
	Component Description:	Train 17768
		v200101jgv1
	Amount:	\$547,439.83
Tall Tower (greater than 500')	Information not provided.	
Capital Contribution		
	Component Description:	Amer Twr
		460227706
		v200820jgv1
	Amount:	\$5,000.00

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 Cos
Outside Professional Services	\$232,281.20	\$192,236.13		\$123,261.88	
Other Legal Services	\$6,505.20	\$6,505.20	Other Legal Services related to the station's DTV Repack	\$6,505.20	Form is displaying "The Subtotal is greater than Estimated Cost. Please provide an explanation for the difference in costs." which is incorrect as both are \$6,505.20
Other Engineering Services	\$20,000.00	\$20,000.00	created new category 1- 15-19	\$15,130.00	N/A
Additional Field Engineering Service, 20 Days	\$20,000.00	\$20,000.00	moved 20,000 - half of original funds - into new category Other Engineering Services 1- 15-19	N/A	N/A

RF Exposure Measurements	\$21,050.00	\$15,000.00	Cost provided by tower owner American Tower	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$75,528.18	See attached / uploaded PDF file titled "KGA 952-94 v201118jgv1. pdf"	\$75,528.18	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	\$41.25	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$634.50	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,718.00	N/A	\$1,718.00	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
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,310.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$660.00	N/A

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$0.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$17,469.25	The Estimated Cost includes Form 399 submissions including ongoing Actual Cost invoice prep and submission, and amendments as needed.	\$17,469.25	N/A
Project management of the transition	\$41,396.00	\$3,265.50	This component is being used to apply expenses for such tasks as project management and Form 387 Transition Plan Progress Report preparation.	\$3,265.50	N/A
Sub-total	\$232,281.20	\$192,236.13	N/A	\$123,261.88	N/A
Total for all systems	\$1,737,652.17	\$2,007,831.99	N/A	\$1,289,860.75	N/A

Components

Actual Information	
Description	File Name

Other Legal Services

Component Description: Foster Garvey

2761046 v201118jgv1

Amount: \$57.60

Component Description: GSB 723063

v200415jgv1

Amount: \$54.00

Component Description: Foster Garvey

2765094 v201118jgv1

Amount: \$921.60

Component Description: Foster Garvey

2751532 v200819jgv1

Amount: \$1,728.00

Component Description: Foster Garvey

2743705 v200819jgv1

\$57.60

Amount:

Component Description: Foster Garvey

2755908 v201118jgv1

Amount: \$460.80

Component Description: Foster Garvey

2750389

v200918jgv2

Amount: \$1,958.40

Component Description: Foster Garvey

2757894

v200819jgv1

Amount: \$1,267.20

Other Engineering Service	es
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Component Description: L Will 2019-02070

v200617jgv2

Amount: \$82.50

Component Description: KGA 952-83

v200820jgv1

Amount: \$375.00

Component Description: KGA 952-81

v200820jgv1

Amount: \$100.00

Component Description: KGA 952-55

v200402jgv1

Amount: \$225.00

Component Description: KGA 952-45

v200402jgv1

Amount: \$3,550.00

Component Description: L Will 2019-02075

v200716jgv3

Amount: \$330.00

Component Description: KGA 952-56

v200402jgv1

Amount: \$1,425.00

Component Description: KGA 952-43

v200415jgv1

Amount: \$1,850.00

Component Description: KGA 952-80

v200820jgv1

Amount: \$1,050.00

Component Description: KGA 952-13

v190523pmv2

Amount: \$150.00

Component Description: L Will 2019-02063

v191206jgv1

Amount: \$3,217.50

Component Description: L Will 2019-02083

v200417jgv1

Amount: \$330.00

Component Description: KGA 952-49

v200402jgv1

Amount: \$925.00

Component Description: KGA 952-14

v190523pmv2

Amount: \$150.00

Component Description: KGA 952-36

v191206jgv1

Amount: \$3,025.00

Component Description: Processing Actual

Cost Invoices

Amount: \$1,562.50

Additional Field

Engineering Service, 20

Days

Information not provided.

RF Exposure

Measurements

Information not provided.

Comprehensive coverage verification via field study, if needed	Component Description: Amount:	KGA 952-94 v201118jgv1 \$75,528.18
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.	
ASR modification (prepare FCC Form 854)	Component Description: Amount:	L Will 2020-02088 v200519jgv2 \$41.25
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Legal preparation, review and filing of CP application for WHYY
	Amount:	\$331.50
	Component Description:	Legal preparation, review and filing of construction permit application of main facility for WHYY
	Amount:	\$117.00
	Component Description:	Legal preparation, review and filing of CP application for Main facility for WHYY
	Amount:	\$634.50
Prepare request for Special Temporary Authorization		
Temporary Authorization	Component Description:	L Will 2020-02098 v200820jgv1
	Amount:	\$165.00
	Component Description:	KGA 952-82
	Amount:	v200819jgv1 \$1,553.00
Prepare engineering section of FCC Form 2100 (main), License to Cover	Information not provided.	

Prepare engineering section of FCC Form 2100 **Component Description:** Prepare (main), Construction Permit engineering section Application of FCC 2100 (main) Construction **Permit Application** for WHYY Amount: \$1,320.00 **Component Description:** L Will 2019-02064 v190523jgv1 **Amount:** \$990.00 Perform engineering study for new channel **Component Description:** Perform assignment and antenna engineering study development for new channel assignment and antenna development for WHYY Amount: \$660.00 Address transition timing and coordination issues w/ **Component Description:** Address transition other stations and wireless timing and coordination issues w/ other stations and wireless providers Amount: \$58.50 Prepare and or review reimbursement form **Component Description:** KGA 952-90 v201118jgv1 Amount: \$700.00 **Component Description:** KGA 952-93 v201118jgv1 Amount: \$2,500.00

Component Description: KGA 952-76

v200820jgv1

Amount: \$5,425.00

Component Description: KGA 952-71

v200819jgv1

Amount: \$100.00

Component Description: KGA 952-60

v200402jgv1

Amount: \$1,375.00

Component Description: KGA 952-19

v191206jgv1

Amount: \$463.75

Component Description: KGA 952-38

v200415jgv1

Amount: \$50.00

Component Description: KGA 952-37

v191206jgv1

Amount: \$665.00

Component Description: KGA 952-95

v201118jgv1

Amount: \$200.00

Component Description: KGA 952-54

v200402jgv1

Amount: \$350.00

Component Description: Prepare

reimbursement

form 399 for WHYY

Amount: \$2,500.00

Component Description: KGA 952-69

v200819jgv1

Amount: \$50.00

Component Description: Legal review of

Sched 399 for reimbursement budget for WHYY

Amount: \$136.50

Component Description: Review of Sched

399 for

reimbursement budget equally split between WHYY and WDPB

Amount: \$253.50

Component Description: KGA 952-47

v200402jgv1

Amount: \$725.00

Component Description: KGA 952-86

v200820jgv1

Amount: \$575.00

Component Description: Legal review and

advice related to Sched 399

reimbursement form WHYY

Amount: \$540.00

Component Description: KGA 952-52

v200402jgv1

Amount: \$175.00

Component Description: Legal review of

Schedule 399 for reimbursement budget for WHYY

Amount: \$250.50

Component Description: KGA 952-79

v200820jgv1

Amount: \$825.00

Project management of the transition

Component Description: Quarterly progress

report WHYY

Amount: \$225.00

Component Description: Prepare and file

Form 387 for 3Q2017 WHYY

Amount: \$300.00

Component Description: KGA 952-97

v201118jgv1

Amount: \$150.00

Component Description: KGA 952-88

v200820jgv1

Amount: \$150.00

Component Description: KGA 952-73

v200820jgv1

Amount: \$150.00

Component Description: KGA 952-66

v200820jgv1

Amount: \$150.00

Component Description: KGA 952-48

v200402jgv1

Amount: \$150.00

Component Description: KGA 952-40

v200415jgv1

Amount: \$150.00

Component Description: KGA 952-27

v191206jgv1

Amount: \$150.00

Component Description: KGA 952-96

v201118jgv1

Amount: \$150.00

Component Description: Prepare form 387

progress report

WHYY

Amount: \$225.00

Component Description: Atty review of Form

387 progress

report WHYY

Amount: \$367.50

Component Description: KGA 952-21

v191206jgv1

Amount: \$150.00

Component Description: KGA 952-87

v200820jgv1

Amount: \$150.00

Component Description: Atty review of form

387 progress

report WHYY

Amount: \$39.00

Component Description: Legal review of

Schedule 387

3Q2017 for WHYY

Amount: \$39.00

Component Description: Preparation of 399

amendment and and submission of actual cost invoices

for WHYY

Amount: \$570.00

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	\$191,429.50	\$186,393.00		\$56,697.48	
WHYY Legal Fee	\$3,500.00	\$3,500.00	Amended 12-19-17 Refer to attachment Repack Financing Costs WHYY & WDPB 12.7.17.pdf	\$2,821.98	N/A
Other Transaction Fees	\$6,300.00	\$6,300.00	Amended 12-19-17 Bank Fees, Other Transaction Fees Refer to attachment Repack Financing Costs WHYY & WDPB 12.7.17.pdf	\$13.50	N/A
Interest	\$19,281.00	\$19,281.00	Amended 12-19-17 Refer to attachment Repack Financing Costs WHYY & WDPB 12.7.17.pdf	\$0.00	N/A

Bank Fees	\$10,000.00	\$10,000.00	Amended 12-19-17 Bank Fees, Transaction Fee \$4,000 & Legal Fee \$6,000. Refer to attachment Repack Financing Costs WHYY & WDPB 12.7.17.pdf	N/A	N/A
American Tower Temporary Site License	\$38,400.00	\$38,400.00	See attached /uploaded PDF file titled "Amer Twr 406783458 v191210jgv1. pdf"	\$38,400.00	N/A
MVPD Notification of Channel Change	\$3,308.50	\$3,308.50	See attached / uploaded PDF files titled "KGA 952-65 v200819jgv1. pdf", "KGA 952-67 v200819jgv1. pdf" and "KGA 952- 72 v200820jgv1. pdf"	\$3,308.50	N/A
Develop and air announcement of upcoming channel change	\$0.00	\$0.00	N/A	N/A	N/A
Equipment	\$10,000.00	\$10,000.00	N/A	N/A	N/A

Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	\$4,200.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Non-zoning permits	\$10,150.00	\$10,150.00	Costs provided by tower owner American Tower	N/A	N/A
AM Pattern Disturbance Impact study	\$7,890.00	\$7,500.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$7,953.50	N/A	\$7,953.50	N/A
AM Pattern Disturbance Remedy	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Sub-total	\$191,429.50	\$186,393.00	N/A	\$56,697.48	N/A
Total for all systems	\$1,737,652.17	\$2,007,831.99	N/A	\$1,289,860.75	N/A

Components

Actual Information		
Description	File Name	

	Component Description:	50 percent share
	Component Description.	of Legal Fees for
		line of credit
	Amount:	\$1,410.99
		4 1, 110100
	Component Description:	50 percent share
		of Legal fees for
		line of credit
	Amount:	\$1,410.99
Other Transaction Fees		
	Component Description:	Band Debit for
		loan commitment
		fee for line of credit
	Amount:	\$4,000.00
	Component Description:	Courier services in
		connection with
		establishing a line
		of credit WHYY
	Amount:	\$13.50
Interest	Information not provided.	
Bank Fees	Information not provided.	
American Tower Temporary		
Site License	Component Description:	Amer Twr
		406783458
		v191210jgv1
	Amount:	\$38,400.00

MVPD Notification of		
Channel Change	Component Description:	KGA 952-65
		v200819jgv1
	Amount:	\$1,851.00
	Component Description:	KGA 952-72
		v200820jgv1
	Amount:	\$927.50
	Component Description:	KGA 952-67
		v200819jgv1
	Amount:	\$530.00
Develop and air	Information not provided.	
announcement of upcoming		
channel change		
Equipment Storage	Information not provided.	
Equipment Delivery and		
Handling Charges	Component Description:	PSI 2114
		v201118jgv1
	Amount:	\$4,200.00
Disposal Costs (for	Information not provided.	
equipment and other waste,	mornation not provided.	
net of any salvage value)		
Non-zoning permits	Information not provided.	
AM Pattern Disturbance	Information not provided.	
Impact study		
DTV Medical Facility		
Notification	Component Description:	KGA 952-64
		v200819jgv1
	Amount:	\$7,953.50
AM Pattern Disturbance	Information not provided.	
Remedy		

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,737,652.17	\$2,007,831.99	\$1,289,860.75

Reimbursem	entestatus	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

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. Jeffrey C Gehman Engineering Associate

11/19/2020

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. Jeffrey C Gehman Engineering Associate

11/19/2020

Attachments