



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **73910-34** | Service: **DRT** | Call **WPXI** | Channel: **34 (UHF)**
ID: | Sign:
File **0000089698**
Number:
FRN: **0014361083** | Eligibility **Eligible** | Date **11/14**
Status: | Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WPXI, LLC Doing Business As: WPXI, LLC	Director of Engineering 4145 EVERGREEN ROAD PITTSBURGH, PA 15214 United States	+1 (412) 237-1100	otto@wpxi. com	Limited Liability Company

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
Otto Schellin <i>Director of Engineering</i> WPXI-TV, LLC	Otto Schellin 4145 Evergreen Road Pittsburgh, PA 15214 United States	+1 (412) 237-1184	otto@wpxi.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 ch 33 xmtr ant, and mask filter to be changed out to ch 34 equip. Xmtr power must be increased to overcome interference in coverage contour. OTA receive antenna tuned element to be changed from ch. 48 to ch. 23. Ch. 33 was displaced and is off air

Transmitters

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)
	Ownership	Owned
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	CU1RD-2
	Year	2012
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	350 W

**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	UAXTE-6R37
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	3.6 kW
	Justification for New Transmitter	Power increase needed to overcome interference on channel 34 to cover needed contour due to lack of other available channels.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Other Transmitter Costs	Does the transmitter installation require a Transmitter Building Site Survey /Installation?	No
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No

	Rigid Conduit and Wiring	No
	Other Electrical Service	Yes
	Description	Additional service amperage capacity needed for higher power transmitter. Current service is 100 A. A 300 A service is required
HVAC Service	Does the replacement transmitter require HVAC Service?	No
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Remote Control	Remote control and monitoring of transmitter and exciter

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	Purchase New
	Antenna Use	Primary (Main)
	Ownership	Owned
	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	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	ERP: (Effective Radiated Power)	2.0 kW
	Manufacturer	
	Model	TLP-8W/CP
	Year	2012

**Primary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Change Type	Purchase New
	Ownership	Owned
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	ERP: (Effective Radiated Power)	15.0 kW
	Manufacturer	
	Model	TLP-8W/VP
	Year	2019
	Justification for New Antenna	Old antenna is not retunable to channel 34.

**Primary
Antenna**

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

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	Purchase New
	Use	Primary (Main)
	Ownership	Owned
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Flexible Foam
	Diameter	1 5/8 inches
	Number of parallel runs	1
	Length	251 feet per run

Primary **New Transmission Line**
Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Flexible Air
	Diameter	1 5/8 inches
	Number of parallel runs	1
	Length	251 feet per run
	Justification for New Transmission Line	The antenna that we are installing requires pressurization so we need to remove the foam core transmission line and replace with an air core line.
Interior RF Systems	Does the Installation of the Transmission Line require an additional or replacement Inside RF system including switching, patch panels, and dehydrators?	Yes

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

Information not provided.

**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

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1026792
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 57' 01.5" N-
	Longitude (NAD83)	080° 17' 22.5" W-
	Overall Structure Height	319.88 feet
	Support Structure Height	299.87 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1299.85 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes

	Tower Owner	IWG Towers Assets I, LLC
	Date Constructed	08/11/1976

**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

Information not provided.

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	No
Outside RF consulting Engineering Services	Perform engineering study for displacement application	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
	Prepare Form 601	No
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	No
	Prepare and file Form FCC License to Cover Application	No
	Prepare request for Special Temporary Authority	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	No
	Form 399 assistance or other program management costs	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No

Outside Other Professional Services Expenses Not Listed
Professional Services Costs

Services not provided.

**Other
Expenses**

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Permit and Filing Costs	FCC Construction Permit Major Change	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
Point to Point Microwave (STL/ICR)	Frequency Coordination for Unidirection System	No
	Frequency Coordination for Bi-Direction System	No
	New Point to Point Microwave System	No

**Other
Expenses**

Other Expenses Not Listed

Information not provided.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter UAXTE-6R37	\$194,545.00	\$204,742.86		\$0.00	
Other Electrical Service: Additional service amperage capacity needed for higher power transmitter. Current service is 100 A. A 300 A service is required	<i>\$81,000.00</i>	\$81,000.00	Estimated cost to increase current electrical service from 100 A to 300 A service. This is required to accommodate higher power transmitter.	N/A	N/A
UHF - Air Cooled Solid State Transmitter 2.501 - 3.999 kW	\$106,300.00	\$116,497.86	Includes mask filter, ATSC OTA receiver, spare amplifier module, surge suppressor, and commissioning	N/A	N/A
Remote Control	<i>\$7,245.00</i>	\$7,245.00	Remote control and monitoring of transmitter and exciter. To replace functionality that we had with our previous system.	N/A	N/A

Sub-total	\$194,545.00	\$204,742.86	N/A	\$0.00	N/A
Total for all systems	\$303,293.00	\$264,856.94	N/A	\$0.00	N/A

Components

Information not provided.

Cost
Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TLP-8W/VP	\$26,057.00	\$26,727.00		\$0.00	
UHF-Low Power, Side Mount, Slotted Coaxial, 15.0kW input, Elliptical	<i>\$20,327.00</i>	\$20,327.00	Includes antenna, and mounting brackets	N/A	N/A
Sweep test of transmission line and antenna	\$5,730.00	\$6,400.00	Actual amount quoted by Dielectric for this antenna and transmission line (includes one field engineer on-site for one day, travel, expenses, and report)	N/A	N/A
Sub-total	\$26,057.00	\$26,727.00	N/A	\$0.00	N/A
Total for all systems	\$303,293.00	\$264,856.94	N/A	\$0.00	N/A

Components

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	\$11,046.00	\$9,932.08		\$0.00	
Flexible Air Transmission Line - dielectric, 1 5/8"	\$8,283.00	\$7,169.08	Actual quoted costs for 211' section of transmission line plus additional 40' section and associated connectors and parts.	N/A	N/A
Interior RF Systems: Inside RF system including switching, patch panels and dehydrators	\$2,763.00	\$2,763.00	Estimate from Dielectric for dehydrator for 250 feet of 1 5/8" line.	N/A	N/A
Sub-total	\$11,046.00	\$9,932.08	N/A	\$0.00	N/A
Total for all systems	\$303,293.00	\$264,856.94	N/A	\$0.00	N/A

Components

Information not provided.

Cost
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$56,190.00	\$8,000.00		\$0.00	
Tower Rigging Short Tower (less than 500')	\$56,190.00	\$8,000.00	Estimated cost of tower climbers and rigging costs to change out antennas, transmission lines, and tuned elements of receive antenna	N/A	N/A
Sub-total	\$56,190.00	\$8,000.00	N/A	\$0.00	N/A
Total for all systems	\$303,293.00	\$264,856.94	N/A	\$0.00	N/A

Components

Information not provided.

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$4,955.00	\$4,955.00		\$0.00	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$2,102.50	\$2,102.50	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,052.50	\$1,052.50	N/A	N/A	N/A
Perform engineering study for displacement application	\$1,800.00	\$1,800.00	N/A	N/A	N/A
Sub-total	\$4,955.00	\$4,955.00	N/A	\$0.00	N/A
Total for all systems	\$303,293.00	\$264,856.94	N/A	\$0.00	N/A

Components

Information not provided.

Cost
Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$10,500.00	\$10,500.00		\$0.00	
Equipment Delivery and Handling Charges	<i>\$9,000.00</i>	\$9,000.00	Estimated costs for delivery of transmitter, antenna, and transmission line	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$1,500.00</i>	\$1,500.00	Estimate for crew to remove old antenna, transmission line and associated debris	N/A	N/A
Sub-total	\$10,500.00	\$10,500.00	N/A	\$0.00	N/A
Total for all systems	\$303,293.00	\$264,856.94	N/A	\$0.00	N/A

Components

Information not provided.

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$303,293.00	\$264,856.94	\$0.00

Reimbursement Status

Question	Response
The facility has ceased operating on its pre-auction channel.	
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>Otto Schellin <i>Director of Engineering</i></p> <p>11/14/2019</p>

Attachments