



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **73910-24** | Service: **DRT** | Call **WPXI** | Channel: **24 (UHF)** |  
ID: | Sign:  
File **0000089689**  
Number:  
FRN: **0014361083** | Eligibility **Eligible** | Date **12/06**  
Status: | Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>WPXI, LLC</b> 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
<b>Otto Schellin</b> <i>Director of Engineering</i> <i>WPXI-TV, LLC</i>	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	Retune current transmitter to ch. 24. Replace current antenna and mask filter. Replace receive antenna ch. 48 tuned element with ch. 23 element. Channel 23 was displaced on 8/2/2019 and this translator has been off the air since.

**Transmitters**

Section	Question	Response
<b>Transmitter Related Expenses</b>	Do you have transmitter related expenses?	Yes

**Primary Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Retune Existing
	Use	Primary (Main)
	Ownership	Owned
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	Axcera
	Model	CU500BRD
	Year	2010

Type	Solid State
Solid State Cooling	Air Cooled
Solid State Power capacity	500 W

**Primary Transmitter**

**Retuning Transmitter Costs**

Section	Question	Response
<b>New Mask Filter</b>	Does the transmitter require a new mask filter?	Yes
	Mask Filter Type	Full Service
	Power	1kW
<b>New Exciter</b>	Is a new exciter needed?	No

**Primary Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Other Transmitter Costs</b>	Does the transmitter installation require a Transmitter Building Site Survey /Installation?	No
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Rigid Conduit and Wiring	No
	Other Electrical Service	No
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No

**Primary**      **Other Transmitter Cost Not Listed**  
**Transmitter**    Information not provided.

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	ERP: (Effective Radiated Power)	2.0 kW
	Manufacturer	
	Model	ALP16L4- CSE-23
	Year	2010

**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Types</b>	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-8M/VP
	Year	2019
Justification for New Antenna	Old antenna cannot be retuned to new channel.	

**Primary  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No

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

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.



<b>Transmission Line</b>	<b>Section</b>	<b>Question</b>	<b>Response</b>
	<b>Transmission Line Related Expenses</b>		Do you have transmission line related expenses?

<b>Tower Equipment And Rigging Costs</b>	<b>Section</b>	<b>Question</b>	<b>Response</b>
	<b>Tower Equipment or Rigging Costs Changes</b>		Do you have tower equipment or rigging costs changes?

<b>Primary Tower</b>	<b>Existing Tower</b>		
	<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Existing Tower Description</b>	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?	Yes	
	One or more FM, AM or TV radio broadcaster(s)	Yes	
	Others Types of Users	No	
	Is tower documented for structural analysis?	Unknown	
	Is tower compliant with Rev G?	Unknown	
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes	
	ASR Number	1036480	
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)	39° 51' 16.5" N-	
	Longitude (NAD83)	079° 39' 20.9" W-	
	Overall Structure Height	237.86 feet	

Support Structure Height	229.98 feet
Ground Elevation Above Mean Sea Level (AMSL)	2580.02 feet
Structure Type	LTOWER - Lattice Tower
Tower Owner	American Towers LLC
Date Constructed	07/01/1946

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

Facility ID	Call Sign	Service
68409	WWKH-CD	DTV

**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 Services Costs**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Outside Project Management Services</b>	Do you require outside project management services?	No
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No

**Other Professional Services Expenses Not Listed**

**Outside**

**Professional** Information not provided.

**Services**

**Costs**

**Other Expenses**

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Permit and Filing Costs</b>	FCC Construction Permit Major Change	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
<b>Other Miscellaneous Expenses</b>	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
<b>Point to Point Microwave (STL/ICR)</b>	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**

Name	Description
<b>Electrical Work</b>	Electrical work to relocate equipment in transmitter room

**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
<b>Primary Transmitter CU500BRD</b>	<b>\$14,350.00</b>	<b>\$11,745.00</b>		<b>\$0.00</b>	
Retune - UHF and VHF - minor re-channel issues	\$11,000.00	\$7,245.00	Remote control system for monitoring and control of transmitter and exciter needed. Old exciter could not be retuned - we used an existing exciter from other location but that required new remote control to control and monitor	N/A	N/A
1kW w mask filter Full Service	\$3,350.00	\$4,500.00	Actual quote from Myat for suitable mask filter.	N/A	N/A
<b>Sub-total</b>	<b>\$14,350.00</b>	<b>\$11,745.00</b>	N/A	<b>\$0.00</b>	N/A
<b>Total for all systems</b>	<b>\$105,767.00</b>	<b>\$68,642.00</b>	N/A	<b>\$0.00</b>	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
<b>Primary Antenna TLP-8M/VP</b>	<b>\$22,172.00</b>	<b>\$22,842.00</b>		<b>\$0.00</b>	
Sweep test of transmission line and antenna	\$5,730.00	\$6,400.00	Actual quote from Dielectric for sweep test (includes one field engineer on-site for one day, travel, expenses, and report)	N/A	N/A
UHF-Low Power, Side Mount, Slotted Coaxial, 2.0 kW input, Elliptical	<i>\$16,442.00</i>	\$16,442.00	Actual quoted cost from Dielectric. Includes antenna and mounting brackets.	N/A	N/A
<b>Sub-total</b>	\$22,172.00	\$22,842.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$105,767.00	\$68,642.00	N/A	\$0.00	N/A

**Components**

Information not provided.



**Cost Information** **Transmission Line**  
 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
<b>Primary Tower LTOWER</b>	<b>\$56,190.00</b>	<b>\$21,000.00</b>		<b>\$0.00</b>	
Tower Rigging Short Tower (less than 500')	\$56,190.00	\$21,000.00	Tower climber to remove old antenna, replace with new antenna, replace tuned elements from receive antenna.	N/A	N/A
<b>Sub-total</b>	<b>\$56,190.00</b>	<b>\$21,000.00</b>	N/A	<b>\$0.00</b>	N/A
<b>Total for all systems</b>	<b>\$105,767.00</b>	<b>\$68,642.00</b>	N/A	<b>\$0.00</b>	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
<b>Outside Professional Services</b>	<b>\$4,955.00</b>	<b>\$4,955.00</b>		<b>\$0.00</b>	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,052.50	\$1,052.50	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$2,102.50	\$2,102.50	N/A	N/A	N/A
Perform engineering study for displacement application	\$1,800.00	\$1,800.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$4,955.00</b>	<b>\$4,955.00</b>	N/A	<b>\$0.00</b>	N/A
<b>Total for all systems</b>	<b>\$105,767.00</b>	<b>\$68,642.00</b>	N/A	<b>\$0.00</b>	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
<b>Other Expenses</b>	<b>\$8,100.00</b>	<b>\$8,100.00</b>		<b>\$0.00</b>	
Equipment Delivery and Handling Charges	<i>\$2,500.00</i>	\$2,500.00	Estimated costs for antenna and mask filter freight.	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 to remove old antenna and associated parts	N/A	N/A
Electrical Work	<i>\$4,100.00</i>	\$4,100.00	Includes 208V, 30A service connection, removing existing electrical power wiring, and moving equipment	N/A	N/A
<b>Sub-total</b>	<b>\$8,100.00</b>	<b>\$8,100.00</b>	N/A	<b>\$0.00</b>	N/A
<b>Total for all systems</b>	<b>\$105,767.00</b>	<b>\$68,642.00</b>	N/A	<b>\$0.00</b>	N/A

**Components**

Information not provided.

**Cost Information** **Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$105,767.00	\$68,642.00	\$0.00

**Reimbursement Status**

<b>Question</b>	<b>Response</b>
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
	<p><b>Submission of Estimated Expenses Statements</b></p>	<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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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><b>Otto Schellin</b> <i>Director of Engineering</i></p> <p>12/06/2019</p>

**Attachments**