



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **10802** | Service: **DTV** | Call **WTTW** | Channel: **47 (UHF)** |  
ID: | Sign:  
File **0000028360**  
Number:  
FRN: **0002860179** | Date **07/12**  
Submitted: **/2017**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>WINDOW TO THE WORLD COMMUNICATIONS, INC.</b> Doing Business As: WINDOW TO THE WORLD COMMUNICATIONS, INC.	Eshed Halpern 5400 NORTH ST. LOUIS AVE CHICAGO, IL 60625 United States	+1 (773) 509-5412	ehalpern@wttw.com	Not-for-Profit

## 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>Mike Tompany</b> <i>Window to the World Communications, Inc.</i>	5400 N. St. Louis Ave Chicago, IL 60625 United States	+1 (773) 509-2460	mtompany@wttw.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.	Yes
Briefly describe transition plan	Replace aux transmitter with new transmitter and place on air. Replace main transmitter and antenna and place on air at end of phase six. Reconfigure aux and antenna and place into standby.

**Transmitters**

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

**Auxiliary  
Transmitter****Existing Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	For backup if main transmitter fails
	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Sigma CD Diamond Drive
	Year	2001
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	24 kW

**Auxiliary  
Transmitter****New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTED-10
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	10.8 kW
	Justification for New Transmitter	Due to channel reassignment need lower power transmitter and new exciters.

**Auxiliary  
Transmitter****Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	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	No

	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>FLUL-20000-6AT</b>	Reflective Standard ATSC Mask Filter, 18-22kW Liquid Cooled, UHF, 6 Pole filter, Factory Tunable Band Width 6MHZ, 3-1/8in Un-Flanged Input & Output
<b>MYA601-067</b>	Reducer 6-1/8 to 4-1/16 50 Ohm, EIA Type Flanged Includes 4-1/16" Anchor Insulator, O Ring, and Hardware (adapter for 25kW reject load & input to aux antenna)
<b>7740156080</b>	KIT, PLUMBING ULXT HOSE Plumbing Kit, Hose For use with Maxiva ULXT transmitter
<b>9435276550</b>	KIT, ULXT SYSTEM THIS KIT INCLUDES 50FT CU STRAP, 100FT RG223 COAX CABLE, 100FT 2 COND CABLE (INTERLOCK), SMA & N CONNECTORS, WAGO TOOL

<b>9950333006</b>	ASSY, EXTERNAL (INDOOR) PUMP MODULE, HE II 50/60HZ, 208-240V/308-415V
<b>9929138117</b>	RF LINE KIT, 3-1/8" INTERCONNECTING THE PA CABINET AND RF SYSTEM. 3 EA 6180734000 XMSN LINE 3-1/8EIA 120" (CU) 5 EA 6200498000 FLANGE, CLAMP-ON 3-1/8EIA
<b>9929139090</b>	KIT, INSTALL MATERIAL, MAXIVA INCLUDES MATERIAL TO INSTALL SINGLE PA CAB, UNISTRUT 10 FT LENGTH
<b>480TO208-75KVA</b>	75 Kva Transformer three phase 480v Delta primary, 208v Wye secondary, K-13 Rated
<b>9710023169</b>	COUPLER, UHF 3-1/8, 4 PORT, 48DB, 48DB, 48DB, 48DB (output of hybrid combiners)
<b>7401278000</b>	PARALLEL SURGE SUPPRESSOR, FOR 3PH WYE OR DELTA.
<b>7740156095</b>	Mask filter cooling plumbing kit
<b>GA999TO - 1</b>	4320448000 50kW HEAT EXCHANGER, BRAZED PLATE (to be used with customer building chilled water system, one per pump module system)
<b>9710023203</b>	COUPLER, UHF 6-1/8", 4 PORT, 48DB, 48DB, 48DB FWD; 48DB RFLD (for after switchless combiner, before switchless combiner reject load & before water column load)
<b>7740156110</b>	KIT, HOSE PLUMBNG DUAL HT EXCHANGER Includes: Rubber Hose 50 Ft, Clamps, Hose Barbs, Ball Valves, Plumbing Tee, and Plumbing elbows (for transmitter cooling & test load cooling systems)

**Primary  
Transmitter**

**Existing Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Sigma CD Diamond Drive
	Year	2001
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	24 kW

**Primary Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTED-10
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	10.8 kW
	Justification for New Transmitter	Due to channel reassignment need lower power transmitter and new excitors.

**Primary Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	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	Electricians to remove old equipment and install new equipment. Relocate or remove and reinstall all electric work. To remove existing and hang new transmission line. To remove offsite all old equipment.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
7740156095	Mask filter cooling plumbing kit

<b>480TO208-75KVA</b>	75 Kva Transformer three phase 480v Delta primary, 208v Wye secondary, K-13 Rated
<b>9929139090</b>	KIT, INSTALL MATERIAL, MAXIVA INCLUDES MATERIAL TO INSTALL SINGLE PA CAB, UNISTRUT 10 FT LENGTH
<b>7401278000</b>	PARALLEL SURGE SUPPRESSOR, FOR 3PH WYE OR DELTA.
<b>7020014000</b>	UHF 80KW WATER COLUMN STATION TEST LOAD 6-1/8" EIA
<b>MYA601-138-3</b>	MYAT 6-1/8" PATCH PANEL 3-POLE 1 ULINK
<b>9929138117</b>	RF LINE KIT, 3-1/8" INTERCONNECTING THE PA CABINET AND RF SYSTEM. 3 EA 6180734000 XMSN LINE 3-1/8EIA 120" (CU) 5 EA 6200498000 FLANGE, CLAMP-ON 3-1/8EIA
<b>DIE60000-600</b>	DIELECTRIC COAX SWITCH 6-1/8 4-PORT 115VAC/8-30VDC
<b>GA999TO - 2</b>	WR1500 Magic Tee, WR1500 Magic Tee Switchless Combiner System 3-1/8" inputs /6-1/8" outputs
<b>GA999TS</b>	WTTW ULXTED-20 INSTALL-CMSN
<b>9710023203</b>	COUPLER, UHF 6-1/8", 4 PORT, 48DB, 48DB, 48DB FWD; 48DB RFLD (for after switchless combiner, before switchless combiner reject load & before water column load)
<b>9950333007</b>	ASSY, COOLING SYSTEM FOR TEST LOAD ASSY, PUMP MODULE (TEST LOAD OR MASK FILTER) APPLICATION
<b>9435276550</b>	KIT, ULXT SYSTEM THIS KIT INCLUDES 50FT CU STRAP, 100FT RG223 COAX CABLE, 100FT 2 COND CABLE (INTERLOCK), SMA & N CONNECTORS, WAGO TOOL
<b>MYA601-067</b>	Reducer 6-1/8 to 4-1/16 50 Ohm, EIA Type Flanged Includes 4-1/16" Anchor Insulator, O Ring, and Hardware (adapter for 25kW reject load & input to aux antenna)

<b>9950333006</b>	ASSY, EXTERNAL (INDOOR) PUMP MODULE, HE II 50/60HZ, 208-240V/308-415V INCLUDES: (2) PUMPS (1) PUMP CONTROLLER (2) PUMP INVERTERS 2HP (2) HEAT EXCHANGER INVERTERS 2HP PUMP MODULE FRAME
<b>7740156110</b>	KIT, HOSE PLUMBNG DUAL HT EXCHANGER Includes: Rubber Hose 50 Ft, Clamps, Hose Barbs, Ball Valves, Plumbing Tee, and Plumbing elbows (for transmitter cooling & test load cooling systems)
<b>Great Lakes Plumbing</b>	GL Plumbing to connect cooling system to building water
<b>0511010030</b>	EXTENDED LIFE ANTIFREEZE /COOLANT_ CONCENTRATE_ETHYLENE GLYCOL, DIETHYLENE GLYCOL_CASE OF SIX (1-GALLON CONTAINERS) _AF2000-6PK
<b>S and H</b>	Shipping and Handling
<b>FLUL-20000-6AT</b>	Reflective Standard ATSC Mask Filter, 18-22kW Liquid Cooled, UHF, 6 Pole filter, Factory Tunable Band Width 6MHZ, 3-1/8in Un-Flanged Input & Output
<b>9929138119</b>	RF LINE KIT, 6-1/8" (interconnect from switchless combiner to patch panel, from switchless combiner to reject load & patch panel to water load)
<b>7740156080</b>	KIT, PLUMBING ULXT HOSE For use with Maxiva ULXT transmitter
<b>9710023169</b>	COUPLER, UHF 3-1/8, 4 PORT, 48DB, 48DB, 48DB, 48DB (output of hybrid combiners)
<b>GA999TO - 1</b>	4320448000 50kW HEAT EXCHANGER, BRAZED PLATE (to be used with customer building chilled water system, one per pump module system)

<b>BRDDA15F15</b>	Bird "Digital Air Series" forced-air cooled reject load. 15kW, 115V operation. Designed especially to accompany air-cooled digital transmitters, exhibiting excellent VSWR characteristics across the entire UHF Band
<b>9929138139</b>	KIT, RF LINE, 4-1/16" 50 OHM INCLUDES 4-1/16" FLANGED XMISSION LINE (10 FT LENGTHS) INTERCONNECTING THE PA CABINET AND RF SYSTEM
<b>9710023207</b>	CPLR 4-1/16 4-PORT (3) 48dB

**Antennas**

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

**Auxiliary  
Antenna****Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	Used as backup if main antenna fails
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Middle
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	7
	Number of Panels	8

Design power capacity in use	100.0 %
Lower Limit	470.00 MHz
Upper Limit	700.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power) .....	300.0 kW
Manufacturer	RFS
Model	PHP24C
Year	2004

**Facility ID's and Call Signs of all stations with whom the antenna is shared.**

Facility ID	Call Sign
10981	WCPX-TV
22211	WFLD
32334	WJYS
47905	WMAQ-TV
71428	WCIU-TV
72115	WGN-TV

**Auxiliary Antenna**

**Adjustment to Existing Antenna**

Section	Question	Response
<b>Sweep Test of Existing Antenna</b>	Do you need a sweep test of existing antenna?	Yes

**Auxiliary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No

Type	
Number of channels supported	N/A
Frequencies of channels supported	N/A
Frequency	

**Auxiliary  
Antenna**

**Other Antenna Cost Not Listed**

<b>Name</b>	<b>Description</b>
<b>Transmission Line Installation</b>	Combiner room work
<b>East Pole Decommission Engineering</b>	Engineering for East Pole Decommission
<b>Equipment Storage</b>	ISI Storage
<b>Combiner Module Staging and Delivery</b>	ISI to Willis
<b>East Pole Decommission Prep Work</b>	Prep work for East Pole Decommission
<b>Transmission Line Removal</b>	Transmission Line Removal
<b>Combiner Tuning and Commissioning</b>	RFS - Loney
<b>RF Safety Coordination E. Pole Decom.</b>	RF Safety Coordination E. Pole Decom.
<b>Combiner Module Freight</b>	From Australia
<b>Combiner Reconfiguration Labor</b>	Combiner Reconfiguration Labor
<b>Combiner Module</b>	New modules
<b>NE Decommission Lift</b>	Expected 2 lifts
<b>Cylinder Entry Port Restoration</b>	Cylinder Entry Port Restoration
<b>Combiner Room Construction</b>	Connstruction of Combiner Room
<b>East Pole Material Disposal</b>	Disposal of East Pole Material
<b>Outside Project Management</b>	Project Manager

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	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?	Yes
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Middle
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	300.0 kW



Manufacturer	
Model	ATW13H4 - HSC1 - 47S
Year	2001

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**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Primary (Main)
	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?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Middle
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels/Bays	24
	Lower Limit	488.00 MHz
	Upper Limit	608.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	193.0 kW
	Manufacturer	
Model	PEPL24C	

Year	2017
Justification for New Antenna	Channel reassignment from repack

**Primary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	Frequencies of channels supported	Upper and lower frequency
	Frequency	488.0 MHz - 608.0 MHz
	Do you need a combiner output splitter /switcher for dual feed lines?	No
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

<b>Name</b>	<b>Description</b>
<b>RF Safety Coordination</b>	For antenna and line install
<b>Antenna Installation</b>	Not helicopter lift.
<b>Permitting</b>	City of Chicago
<b>Combiner Room Construction</b>	Construction of Combiner Room
<b>Radome Modification</b>	Design and Fabrication
<b>RFR Measurements</b>	Post installation and construction
<b>Antenna Freight</b>	From Australia to ISI
<b>Outside Project Management</b>	XXX
<b>Combiner Module</b>	New Module
<b>Combiner Commissioning</b>	RFS - Loney
<b>Combiner Spine</b>	XXX
<b>Internal Transmission Line</b>	To combiner. With parts.
<b>Structural Engineering</b>	ERE
<b>Equipment Storage</b>	ISI Storage
<b>Antenna Mounts</b>	Custom Design/Fab
<b>Antenna Commissioning</b>	RFS - Loney
<b>Transmission Line Installation</b>	Mix of day and night work
<b>Antenna Delivery to Willis</b>	Delivery from ISI
<b>Transmission Line Mounts</b>	Design and Fabrication
<b>Tower Modifications</b>	Structural
<b>Combiner Delivery to Willis</b>	Delivery from ISI
<b>Transmission Line</b>	Myat Spectraline 6 1/8" x2
<b>Combiner Freight</b>	From Australia to ISI

**Transmission  
Line**

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

**Auxiliary  
Transmission  
Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Use if main line fails
	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	100 feet per run

**Auxiliary  
Transmission  
Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Auxiliary (Backup)
	Description of Use	Use if main fails
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	100 feet per run
	Justification for New Transmission Line	Additional power to antenna. See exhibit attached page 6

**Auxiliary  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>Electrician Hanging</b>	Electrician to hang and remove old transmission lines.

**Primary  
Transmission  
Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	100 feet per run



**Primary  
Transmission  
Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	100 feet per run
	Justification for New Transmission Line	Additional power to antenna. See exhibit attached page 6

**Primary  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>Electrician Hanging</b>	Electrician to hang and remove old transmission line

**Tower Equipment And Rigging Costs**

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

**Auxiliary Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Use if main tower fails
	Ownership	Leased
	Is this tower consider Complex?	Located on Building
	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?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1032960
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	41° 52' 44.0" N-
	Longitude (NAD83)	087° 38' 08.0" W-
	Overall Structure Height	1722.09 feet
	Support Structure Height	1435.35 feet

Ground Elevation Above Mean Sea Level (AMSL)	595.14 feet
Structure Type	BMAST - Building with Mast
Tower Owner	233 Broadcast, LLC
Date Constructed	09/30/2012

**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
74178	WKSC-FM	FM
6377	WTMX	FM
70042	WLIT-FM	FM
48772	WPWR-TV	DTV
47906	KNBC	DTV
51165	WGCI-FM	FM
71428	WCIU-TV	DTV
10802	WTTW	DTV
10981	WCPX-TV	DTV
71425	WWME-CD	DTV
168662	WMEU-CD	DTV
72115	WGN-TV	DTV
53971	WEBG	FM
10801	WFMT	FM
73228	WLS-FM	FM
71283	WCFS-FM	FM

73226	WLS-TV	DTV
70119	WSNS-TV	DTV
9613	WBBM-FM	FM
66978	WEDE-CD	DTV
22211	WFLD	DTV
9617	WBBM-TV	DTV
32334	WJYS	DTV
28621	WJMK	FM

**Auxiliary Tower**

**Tower Modification Costs**

Section	Question	Response
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	No study needed
<b>Tower Reinforcements</b>	Please select whether tower reinforcements are needed:	Major Reinforcements needed

**Auxiliary Tower**

**Tower Rigging Costs**

Section	Question	Response
<b>Tower Rigging Costs</b>	Complex Tower	Located on Building
<b>Helicopter Services Required</b>	Are helicopter services required?	No

**Auxiliary Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Primary Tower**

**Existing Tower**

Section	Question	Response
<b>Existing Tower Description</b>	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Located on Building
	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?	Yes
	Is tower compliant with Rev G?	Yes
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes
	ASR Number	1032959
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)	41° 52' 44.1" N-
	Longitude (NAD83)	087° 38' 10.2" W-
	Overall Structure Height	1729.97 feet
	Support Structure Height	1435.35 feet
	Ground Elevation Above Mean Sea Level (AMSL)	595.14 feet
	Structure Type	BTWR - Building with Tower

	Tower Owner	233 Broadcast, LLC
	Date Constructed	01/01/2002

**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
72115	WGN-TV	DTV
10802	WTTW	DTV
10801	WFMT	FM
10981	WCPX-TV	DTV
168662	WMEU-CD	DTV
66978	WEDE-CD	DTV
28621	WJMK	FM
6377	WTMX	FM
22211	WFLD	DTV
70042	WLIT-FM	FM
71425	WWME-CD	DTV
9613	WBBM-FM	FM
9617	WBBM-TV	DTV
71283	WCFS-FM	FM
51165	WGCI-FM	FM
71428	WCIU-TV	DTV
53971	WEBG	FM
47906	KNBC	DTV
73226	WLS-TV	DTV

32334	WJYS	DTV
73228	WLS-FM	FM
70119	WSNS-TV	DTV
74178	WKSC-FM	FM
48772	WPWR-TV	DTV

**Primary Tower**

**Tower Modification Costs**

Section	Question	Response
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	No study needed
<b>Tower Reinforcements</b>	Please select whether tower reinforcements are needed:	Major Reinforcements needed

**Primary Tower**

**Tower Rigging Costs**

Section	Question	Response
<b>Tower Rigging Costs</b>	Complex Tower	Located on Building
<b>Helicopter Services Required</b>	Are helicopter services required?	Yes

**Primary Tower**

**Other Tower Expenses Not Listed**

Name	Description
<b>WTTW Transmission Line Removal to Smoke Shaft</b>	Estimated 5 nights of work to complete.
<b>WTTW T L Removal to 100 in smoke shaft</b>	Removal of line in shaft from 109 to 100.
<b>SW Pole Decommission Prep. Work RF Safety Coord.</b>	RF safety coordination for SW pole decom. prep work
<b>SW Pole Decommission Engineering</b>	Pole Decommission Engineering
<b>WTTW Antenna Removal</b>	Helicopter not required. Estimated 4 nights.

<b>WTTW Antenna Removal Engineering</b>	Antenna Removal Engineering
<b>WTTW Antenna Removal RF Safety Coordination</b>	Antenna Removal RF Safety Coordination
<b>SW Pole Material Removal and Disposal</b>	Removal and disposal of remaining SW pole material
<b>SW Pole Decommission Preparation Work</b>	Estimated 10 nights of work for preparation.
<b>Willis Tower Project Management</b>	Willis Tower Project Management
<b>WTTW T L Removal RF Safety Coordination</b>	RF safety coordination during line removal to shaft



**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?	Yes
	Number of Hours	500
	Explanation	Outside services, such as legal, engineering, consultant.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	No
	Prepare engineering section of Form FCC Construction Permit Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare engineering section of Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	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
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare and file Form FCC License to Cover Application	Yes

	For Auxiliary Facility	Yes
	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	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**  
Information not provided.

**Other Expenses**

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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?	No
<b>Permit and Filing Costs</b>	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	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?	No
	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?	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
<b>Primary Transmitter ULXTED-10</b>	<b>\$905,805.49</b>	<b>\$571,205.49</b>		<b>\$0.00</b>	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$159,900.00	N/A	N/A	N/A
Other Electrical Service: Electricians to remove old equipment and install new equipment. Relocate or remove and reinstall all electric work. To remove existing and hang new transmission line. To remove offsite all old equipment.	<i>\$174,400.00</i>	\$174,400.00	N/A	N/A	N/A
DIE60000-600	<i>\$19,132.91</i>	\$19,132.91	N/A	N/A	N/A
GA999TS	<i>\$46,964.20</i>	\$46,964.20	N/A	N/A	N/A
7740156095	<i>\$207.51</i>	\$207.51	N/A	N/A	N/A
480TO208-75KVA	<i>\$2,715.55</i>	\$2,715.55	N/A	N/A	N/A
7401278000	<i>\$1,510.82</i>	\$1,510.82	N/A	N/A	N/A
7020014000	<i>\$5,060.90</i>	\$5,060.90	N/A	N/A	N/A
MYA601-138-3	<i>\$3,888.00</i>	\$3,888.00	N/A	N/A	N/A

9929138117	<i>\$5,943.20</i>	\$5,943.20	N/A	N/A	N/A
GA999TO - 2	<i>\$34,123.20</i>	\$34,123.20	N/A	N/A	N/A
9710023203	<i>\$1,668.11</i>	\$1,668.11	N/A	N/A	N/A
9950333007	<i>\$9,966.40</i>	\$9,966.40	N/A	N/A	N/A
9435276550	<i>\$556.00</i>	\$556.00	N/A	N/A	N/A
MYA601-067	<i>\$888.53</i>	\$888.53	N/A	N/A	N/A
9950333006	<i>\$7,040.00</i>	\$7,040.00	N/A	N/A	N/A
7740156110	<i>\$2,105.60</i>	\$2,105.60	N/A	N/A	N/A
Great Lakes Plumbing	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
0511010030	<i>\$930.88</i>	\$930.88	N/A	N/A	N/A
FLUL-20000- 6AT	<i>\$13,500.00</i>	\$13,500.00	N/A	N/A	N/A
9929138119	<i>\$13,254.38</i>	\$13,254.38	N/A	N/A	N/A
9710023169	<i>\$571.89</i>	\$571.89	N/A	N/A	N/A
GA999TO - 1	<i>\$1,600.00</i>	\$1,600.00	N/A	N/A	N/A
BRDDA15F15	<i>\$13,769.45</i>	\$13,769.45	N/A	N/A	N/A
9929138139	<i>\$10,246.26</i>	\$10,246.26	N/A	N/A	N/A
9710023207	<i>\$1,504.10</i>	\$1,504.10	N/A	N/A	N/A
9929139090	<i>\$556.00</i>	\$556.00	N/A	N/A	N/A
S and H	<i>\$11,800.00</i>	\$11,800.00	N/A	N/A	N/A
7740156080	<i>\$2,401.60</i>	\$2,401.60	N/A	N/A	N/A
<b>Auxiliary Transmitter ULXTED-10</b>	<b>\$535,764.81</b>	<b>\$201,164.81</b>		<b>\$0.00</b>	
9950333006	<i>\$7,040.00</i>	\$7,040.00	N/A	N/A	N/A
9929138117	<i>\$5,943.20</i>	\$5,943.20	N/A	N/A	N/A
FLUL-20000- 6AT	<i>\$13,500.00</i>	\$13,500.00	N/A	N/A	N/A
9435276550	<i>\$556.00</i>	\$556.00	N/A	N/A	N/A

9929139090	<i>\$556.00</i>	\$556.00	N/A	N/A	N/A
9710023169	<i>\$571.89</i>	\$571.89	N/A	N/A	N/A
480TO208-75KVA	<i>\$2,715.55</i>	\$2,715.55	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$159,900.00	N/A	N/A	N/A
MYA601-067	<i>\$888.53</i>	\$888.53	N/A	N/A	N/A
7740156080	<i>\$2,401.60</i>	\$2,401.60	N/A	N/A	N/A
7740156095	<i>\$207.51</i>	\$207.51	N/A	N/A	N/A
7401278000	<i>\$1,510.82</i>	\$1,510.82	N/A	N/A	N/A
GA999TO - 1	<i>\$1,600.00</i>	\$1,600.00	N/A	N/A	N/A
9710023203	<i>\$1,668.11</i>	\$1,668.11	N/A	N/A	N/A
7740156110	<i>\$2,105.60</i>	\$2,105.60	N/A	N/A	N/A
<b>Sub-total</b>	\$1,441,570.30	\$772,370.30	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$5,782,591.96	\$3,383,021.96	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
<b>Primary Antenna PEPL24C</b>	<b>\$1,499,705.00</b>	<b>\$1,466,765.00</b>		<b>\$0.00</b>	
UHF - High Power, Side Mount, broadband panel, 24 bay,, 193 kW input, directional,, elliptically or circularly polarized	<i>\$120,862.50</i>	\$120,862.50	N/A	N/A	N/A
Transmission Line	<i>\$105,000.00</i>	\$105,000.00	N/A	N/A	N/A
Combiner Freight	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Tower Modifications	<i>\$200,000.00</i>	\$200,000.00	N/A	N/A	N/A
Combiner Delivery to Willis	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Antenna Mounts	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Radome Modification	<i>\$50,000.00</i>	\$50,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Structural Engineering	<i>\$150,000.00</i>	\$150,000.00	N/A	N/A	N/A
Antenna Installation	<i>\$200,000.00</i>	\$200,000.00	N/A	N/A	N/A



New combiner, cost per channel (without antenna)	\$84,200.00	\$60,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$15,000.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
RF Safety Coordination	<i>\$75,000.00</i>	\$75,000.00	N/A	N/A	N/A
Permitting	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
Combiner Room Construction	<i>\$45,000.00</i>	\$45,000.00	N/A	N/A	N/A
Combiner Module	<i>\$60,000.00</i>	\$60,000.00	N/A	N/A	N/A
Combiner Commissioning	<i>\$7,720.00</i>	\$7,720.00	N/A	N/A	N/A
RFR Measurements	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Antenna Freight	<i>\$12,500.00</i>	\$12,500.00	N/A	N/A	N/A
Combiner Spine	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
Outside Project Management	<i>\$92,500.00</i>	\$92,500.00	N/A	N/A	N/A
Internal Transmission Line	<i>\$75,000.00</i>	\$75,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
Antenna Commissioning	<i>\$10,782.50</i>	\$10,782.50	N/A	N/A	N/A

Transmission Line Installation	<i>\$75,000.00</i>	\$75,000.00	N/A	N/A	N/A
Antenna Delivery to Willis	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Transmission Line Mounts	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
<b>Auxiliary Antenna PHP24C</b>	<b>\$476,156.66</b>	<b>\$475,566.66</b>		<b>\$0.00</b>	
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 300 horizontally polarized	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
Transmission Line Installation	<i>\$20,833.33</i>	\$20,833.33	N/A	N/A	N/A
Equipment Storage	<i>\$333.33</i>	\$333.33	N/A	N/A	N/A
Combiner Tuning and Commissioning	<i>\$4,166.67</i>	\$4,166.67	N/A	N/A	N/A
Combiner Module Staging and Delivery	<i>\$3,333.33</i>	\$3,333.33	N/A	N/A	N/A
East Pole Decommission Prep Work	<i>\$33,333.33</i>	\$33,333.33	N/A	N/A	N/A
Combiner Module Freight	<i>\$3,000.00</i>	\$3,000.00	N/A	N/A	N/A
Combiner Reconfiguration Labor	<i>\$7,142.86</i>	\$7,142.86	N/A	N/A	N/A
East Pole Material Disposal	<i>\$13,333.33</i>	\$13,333.33	N/A	N/A	N/A
Outside Project Management	<i>\$15,833.33</i>	\$15,833.33	N/A	N/A	N/A

RF Safety Coordination E. Pole Decom.	<i>\$16,666.67</i>	\$16,666.67	N/A	N/A	N/A
Cylinder Entry Port Restoration	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
East Pole Decommission Engineering	<i>\$16,666.67</i>	\$16,666.67	N/A	N/A	N/A
Transmission Line Removal	<i>\$41,666.67</i>	\$41,666.67	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Combiner Module	<i>\$50,000.00</i>	\$50,000.00	N/A	N/A	N/A
NE Decommission Lift	<i>\$200,000.00</i>	\$200,000.00	N/A	N/A	N/A
Combiner Room Construction	<i>\$12,857.14</i>	\$12,857.14	N/A	N/A	N/A
<b>Sub-total</b>	\$1,975,861.66	\$1,942,331.66	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$5,782,591.96	\$3,383,021.96	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
<b>Primary Transmission Line</b>	<b>\$30,200.00</b>	<b>\$29,000.00</b>		<b>\$0.00</b>	
Rigid Transmission Line - copper, 6 1/8"	\$20,200.00	\$19,000.00	N/A	N/A	N/A
Electrican Hanging	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
<b>Auxiliary Transmission Line</b>	<b>\$30,200.00</b>	<b>\$29,000.00</b>		<b>\$0.00</b>	
Electrican Hanging	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Rigid Transmission Line - copper, 6 1/8"	\$20,200.00	\$19,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$60,400.00</b>	<b>\$58,000.00</b>	N/A	<b>\$0.00</b>	N/A
<b>Total for all systems</b>	<b>\$5,782,591.96</b>	<b>\$3,383,021.96</b>	N/A	<b>\$0.00</b>	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
<b>Primary Tower BTWR</b>	<b>\$1,349,500.00</b>	<b>\$507,500.00</b>		<b>\$0.00</b>	
Complex Tower (includes, for example, those with candelabras and /or stacked antennas)	\$421,000.00	\$0.00	N/A	N/A	N/A
WTTW Transmission Line Removal to Smoke Shaft	<i>\$50,000.00</i>	\$50,000.00	N/A	N/A	N/A
Willis Tower Project Management	<i>\$27,500.00</i>	\$27,500.00	N/A	N/A	N/A
SW Pole Decommission Engineering	<i>\$32,500.00</i>	\$32,500.00	N/A	N/A	N/A
WTTW Antenna Removal Engineering	<i>\$30,000.00</i>	\$30,000.00	N/A	N/A	N/A
WTTW T L Removal to 100 in smoke shaft	<i>\$40,000.00</i>	\$40,000.00	N/A	N/A	N/A
SW Pole Decommission Prep. Work RF Safety Coord.	<i>\$12,500.00</i>	\$12,500.00	N/A	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$0.00	N/A	N/A	N/A

Tower Helicopter Lift	<i>\$177,500.00</i>	\$177,500.00	N/A	N/A	N/A
WTTW Antenna Removal	<i>\$40,000.00</i>	\$40,000.00	N/A	N/A	N/A
WTTW Antenna Removal RF Safety Coordination	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
SW Pole Material Removal and Disposal	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
SW Pole Decommission Preparation Work	<i>\$50,000.00</i>	\$50,000.00	N/A	N/A	N/A
WTTW T L Removal RF Safety Coordination	<i>\$12,500.00</i>	\$12,500.00	N/A	N/A	N/A
<b>Auxiliary Tower BMAST</b>	<b>\$842,000.00</b>	<b>\$0.00</b>		<b>\$0.00</b>	
Major tower reinforcement /modifications	\$421,000.00	\$0.00	N/A	N/A	N/A
Complex Tower (includes, for example, those with candelabras and /or stacked antennas)	\$421,000.00	\$0.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$2,191,500.00</b>	<b>\$507,500.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$5,782,591.96</b>	<b>\$3,383,021.96</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>

## 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>\$107,150.00</b>	<b>\$96,750.00</b>		<b>\$0.00</b>	
Project management of the transition	\$79,000.00	\$70,000.00	N/A	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$2,105.00	\$2,000.00	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
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$107,150.00</b>	<b>\$96,750.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$5,782,591.96</b>	<b>\$3,383,021.96</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>

**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>\$6,110.00</b>	<b>\$6,070.00</b>		<b>\$0.00</b>	
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
Equipment Storage	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$6,110.00</b>	<b>\$6,070.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$5,782,591.96</b>	<b>\$3,383,021.96</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>

**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>	\$5,782,591.96	\$3,383,021.96	\$0.00

**Reimbursement Status**

<b>Question</b>	<b>Response</b>
The facility has ceased operating on its pre-auction channel.	No
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
	<b>Submission of Estimated Expenses Statements</b>	<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 data-bbox="758 772 1061 1176">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 data-bbox="758 1198 1045 1444">2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li data-bbox="758 1467 1061 1758">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>Michael Tompany</b> <i>Director of Engineering</i></p> <p>07/12/2017</p>

**Attachments**