



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **9610** | Service: **DTV** | Call **WCBS-TV** | Channel: **36 (UHF)**  
ID: | Sign:  
File **0000025981**  
Number:  
FRN: **0003482189** | Date **12/28**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>CBS BROADCASTING INC.</b> Doing Business As: CBS BROADCASTING INC.	Daniel G. Ryson 1725 DeSales St. NW Suite 501 WASHINGTON, DC 20036 United States	+1 (202) 457-4074	dryson@cbs.com	Corporation

## 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>Daniel G. Ryson</b> <i>Associate Director Spectrum Management</i> <i>CBS</i>	Daniel Ryson 1725 DeSales St., NW Suite 501 Washington, DC 20036 United States	+1 (202) 457-4074	dryson@cbs.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	Facility has dual broadband antennas and combiners. One transmitter and combiner will be pretuned to the post-transition channel and enabled at the appropriate time. The other transmitter and combiner will then be retuned.

**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	Alternate Main
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Diamond
	Year	2008
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	25 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?	Yes
	Manufacturer	
	Model	ULXT-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	68.5 kW
	Justification for New Transmitter	Harris cannot retune existing transmitter. New FCC allocation requires greater TPO than original to maintain proper coverage on new channel.

**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	Yes
	Description	Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Receptacles, Transformers, and Grounding System.
<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**

<b>Name</b>	<b>Description</b>
<b>Install Transmitter, Racks</b>	Installation of Transmitter Cabinets and Racks.
<b>Cooling Pumps, Etc.</b>	Install cooling pumps, piping, hoses, heat exchangers.
<b>Miscellaneous</b>	General Conditions, Contract Submittals, Documentation, Mobilization, Misc. Installation Materials, Hardware, and Field Testing.
<b>Terminate and Test</b>	Other transmitter costs, delivery, handling, etc. See Attachment 6, Schedule D, Item 8.
<b>Electrical Accessories</b>	75 kVA 480v/208V Transformer, Parallel Surge Suppressor
<b>Closeout Documents</b>	Closeout documentation (warranties, certifications, as-built drawings, etc.) See Attachment 6, Schedule B, Item 3.

**Auxiliary  
Transmitter****Add 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	Used When Main Site Isn't Available
	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	Diamond
	Year	2002
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	10.5 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?	Yes
	Manufacturer	
	Model	ULXT-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	68.5 kW
	Justification for New Transmitter	Please see attached statement.

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

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	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?	Yes
	Size	1500.0 square feet
<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>Transmitter Installation</b>	West Orange, NJ Transmitter Installation.

**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
	Year	2009
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	42 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?	Yes
	Manufacturer	
	Model	ULXT-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	68.5 kW
	Justification for New Transmitter	Gates /Harris has stipulated that it cannot and will not attempt to retune any IOT transmitters

**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	Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Receptacles, Transformers, and Grounding System.
<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
<b>Switchless Combiner</b>	Magic Tee Switchless Combiner
<b>Install Transmitter, Racks</b>	Installation of Transmitter Cabinets and Racks.

<b>Closeout Documents</b>	Closeout documentation (warranties, certifications, as-built drawings, etc.) See Attachment 6, Schedule B, Item 3.
<b>Cooling Pumps, Etc.</b>	Install cooling pumps, piping, hoses, heat exchangers.
<b>Terminate and Test</b>	Other transmitter costs, delivery, handling, etc. See Attachment 6, Schedule D, Item 8.
<b>Miscellaneous</b>	General Conditions, Contract Submittals, Documentation, Mobilization, Misc. Installation Materials, Hardware, and Field Testing.

**Antennas**

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

**Auxiliary  
Antenna****Add Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	When Main Site Isn't Available
	Ownership	Leased
	Owner	American Tower Corporation
	Site	N/A
	Is this antenna currently shared with any other stations?	Yes
	Is this 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>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	5
	Number of Panels	34

Design power capacity in use	7.0 %
Lower Limit	506.00 MHz
Upper Limit	725.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power) .....	2041.0 kW
Manufacturer	Dielectric
Model	TUD C5SP-10/34U-2-B
Year	2006

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

Facility ID	Call Sign
47535	WNBC
22206	WNYW
73333	WNJU
74197	WWOR-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?	No

**Auxiliary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	Additional Module

Number of channels supported	1
Frequencies of channels supported	RF channel
Frequency	N/A

**Enter a list of RF channel numbers.**

**RF Channel Number**

36

**Auxiliary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.



**Auxiliary  
Antenna**

**Add Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Lease New
	Antenna Use	Auxiliary (Backup)
	Description of Use	When Primary Unavailable
	Ownership	Leased
	Owner	Durst Broadcasting
	Site	N/A
	Is this antenna currently shared with any other stations?	Yes
	Is this antenna directional?	No
	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>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels	96
	Design power capacity in use	75.0 %
	Lower Limit	470.00 MHz
	Upper Limit	656.00 MHz
	Other Antenna Type	N/A

ERP: (Effective Radiated Power)	241.0 kW
Manufacturer	
Model	PEP96L
Year	2015

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

Facility ID	Call Sign
74197	WWOR-TV
22206	WNYW
47535	WNBC
73333	WNJU

**Auxiliary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Auxiliary (Backup)
	Description of Use	When Primary Unavailable
	Change Type	Lease New
	Is this a request for upgraded equipment?	No
	Ownership	Leased
	Owner	Durst Broadcasting
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels/Bays	96
	Lower Limit	470.00 MHz
	Upper Limit	656.00 MHz
	Design power capacity in use	75.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	241.0 kW
Manufacturer		

Model	PEP-96L
Year	2015
Justification for New Antenna	Replaces Existing Auxiliary

**Auxiliary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	Additional Module
	Number of channels supported	1
	Frequencies of channels supported	RF channel
	Frequency	N/A
	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?	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

**Enter a list of RF channel numbers.**

<b>RF Channel Number</b>
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**Auxiliary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Lease New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	Empire State Building
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	No
	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>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Other
	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	Composite Antenna
	ERP: (Effective Radiated Power) .....	284.0 kW

Manufacturer	
Model	ESBTUF80
Year	2008

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

Facility ID	Call Sign
74197	WWOR-TV
47535	WNBC

**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	No
	Ownership	Leased
	Owner	Durst Broadcasting
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Middle
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	5
	Number of Panels/Bays	40
	Lower Limit	470.00 MHz
	Upper Limit	656.00 MHz
	Design power capacity in use	46.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	455.0 kW
	Manufacturer	
Model	PEP40E	



Year	2015
Justification for New Antenna	Please see Statement.

**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	Additional Module
	Number of channels supported	1
	Frequencies of channels supported	RF channel
	Frequency	N/A
	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?	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

**Enter a list of RF channel numbers.**

**RF Channel Number**

**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?

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

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Myat
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	165 feet per run

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

<b>Name</b>	<b>Description</b>
<b>Gas Barriers</b>	See Attachment 37. Gas barriers required to pressurize primary transmission line.

**Auxiliary  
Transmission  
Line**

**Add Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	When Main Site Unavailable
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	65 feet per run

**Auxiliary  
Transmission  
Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Auxiliary (Backup)
	Description of Use	When Main Site Unavailable
	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	65 feet per run
Justification for New Transmission Line	Incorrect segment lengths for channel 36.	

**Auxiliary  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

Information not provided.

**Interim  
Transmission  
Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	8 3/16 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	2
	Length	165 feet per run
	Justification for New Transmission Line	Additional line to feed new main and auxiliary, pre-transition combiner modules.

**Interim  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>Gas Barriers</b>	See Attachment 37. Gas barriers required to pressurize interim 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	When Primary Unavailable
	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
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1060205
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	40° 48' 07.6" N-
	Longitude (NAD83)	074° 14' 45.5" W-
	Overall Structure Height	339.89 feet
	Support Structure Height	299.87 feet



Ground Elevation Above Mean Sea Level (AMSL)	622.04 feet
Structure Type	LTOWER - Lattice Tower
Tower Owner	American Tower, LLC
Date Constructed	01/01/1974

**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
73333	WNJU	DTV
22206	WNYW	DTV
74197	WWOR-TV	DTV

**Auxiliary  
Tower**

**Tower Modification Costs**

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

**Auxiliary  
Tower**

**Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	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	1263701
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)	40° 42' 46.8" N-
	Longitude (NAD83)	074° 00' 47.3" W-
	Overall Structure Height	1791.97 feet
	Support Structure Height	1334.63 feet
	Ground Elevation Above Mean Sea Level (AMSL)	14.11 feet
	Structure Type	BTWR - Building with Tower

Tower Owner	Port Authority of New York and New Jersey
Date Constructed	05/10/2013

**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
73333	WNJU	DTV
73356	WPXN-TV	DTV
47535	WNBC	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:	No 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?	No

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Name	Description
Install Transmission Line	Install transmission line between transmitters and combiner modules

**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	250
	Explanation	Company lacks sufficient internal resources.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare engineering section of 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
	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
For Auxiliary Facility		N/A
For Main Facility		N/A
Prepare and file 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
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	No
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<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

**Other Professional Services Expenses Not Listed**

**Outside Professional Services Costs**

Name	Description
<b>Electrical Mechanical Structural Engineers</b>	Designs for transmitter and load cooling, switch design, suspending lines, switches, etc.

**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?	Yes
<b>Permit and Filing Costs</b>	Local Zoning	Yes
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	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
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	No
	Does this relocation require MVPD Notification of a Channel Change?	Yes



**Other  
Expenses**

**Other Expenses Not Listed**

Information not provided.

**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 ULXT-80</b>	<b>\$2,437,998.15</b>	<b>\$2,129,418.48</b>		<b>\$2,083,999.76</b>	
Miscellaneous	<i>\$85,250.00</i>	\$85,250.00	Please see attached Statement 3.	\$80,393.78	CBS seeks reimbursement for some Prime Contract costs and c 50% reimbursement for mobilization costs since some construction 1WTC would be required even if the was no incentive auction repack.
Terminate and Test	<i>\$12,250.00</i>	\$12,250.00	Other transmitter costs, delivery, handling, etc. Cost split 50 /50 with Auxiliary (Alternate Main) Transmitter. See Attachment 6, Schedule D, Item 8 and Statement 3.	\$9,262.50	N/A

Cooling Pumps, Etc.	<b><i>\$89,000.00</i></b>	\$89,000.00	Please see attached statement.	\$68,800.00	N/A
Closeout Documents	<b><i>\$4,750.00</i></b>	\$4,750.00	Closeout documentation (warranties, certifications, as-built drawings, etc.). Cost Split 50/50 with Auxiliary (Alternate Main) Transmitter. See Attachment 6, Schedule B, Item 3 and Statement 3.	\$4,750.00	N/A
Install Transmitter, Racks	<b><i>\$52,500.00</i></b>	\$52,500.00	Please see attached statement.	\$38,625.00	N/A
Switchless Combiner	<b><i>\$125,248.15</i></b>	\$125,248.15	Magic Tee Switchless Combiner. Replaces existing pre-transition combiner. See Statement (Attachment 61) and quotation (Attachment 57).	\$125,248.15	N/A

Other Electrical Service: Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Recepacles, Transformers, and Grounding System.	<i>\$70,000.00</i>	\$70,000.00	Please see attached Statement 3.	\$66,500.00	N/A
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	\$1,999,000.00	\$1,690,420.33	Please see Statement and Attachment 2.	\$1,690,420.33	N/A
<b>Auxiliary Transmitter ULXT-80</b>	<b>\$2,329,101.86</b>	<b>\$1,888,530.55</b>		<b>\$1,831,861.83</b>	
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	\$1,999,000.00	\$1,558,428.69	Please see Quotes provided as Attachments 32, 33, and 35 plus Invoices for freight (see Attachment 45) and Sales Tax (Attachment 46) for some items shipped to a staging location in nearby, taxable New Jersey.	\$1,558,428.69	N/A

Electrical Accessories	<b><i>\$16,351.86</i></b>	\$16,351.86	Please see quotations provided as Attachments 48 & 49. Site Digital Network Wiring Hardware.	\$16,351.86	N/A
Install Transmitter, Racks	<b><i>\$52,500.00</i></b>	\$52,500.00	Please see attached statement.	\$38,625.00	N/A
Miscellaneous	<b><i>\$85,250.00</i></b>	\$85,250.00	Please see attached Statement 3.	\$80,393.78	CBS seeks reimbursement for some Prime Contract costs and a 50% reimbursement for mobilization costs since some construction 1WTC would be required even if there was no incentive auction repack.

Other Electrical Service: Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Receptacles, Transformers, and Grounding System.	<b><i>\$70,000.00</i></b>	\$70,000.00	Please see attached Statement 3.	\$39,500.00	N/A
Cooling Pumps, Etc.	<b><i>\$89,000.00</i></b>	\$89,000.00	Please see attached statement.	\$84,550.00	N/A
Terminate and Test	<b><i>\$12,250.00</i></b>	\$12,250.00	Other transmitter costs, delivery, handling, etc. Cost split 50 /50 with Primary Transmitter. See Attachment 6, Schedule D, Item 8 and Statement 3.	\$9,262.50	N/A

Closeout Documents	<i>\$4,750.00</i>	\$4,750.00	Closeout documentation (warranties, certifications, as-built drawings, etc.). Cost Split 50/50 with Primary Transmitter. See Attachment 6, Schedule B, Item 3 and Statement 3.	\$4,750.00	N/A
<b>Auxiliary Transmitter ULXT-80</b>	<b>\$2,285,475.00</b>	<b>\$606,861.17</b>		<b>\$0.00</b>	
Transmitter Installation	<i>\$223,875.00</i>	\$223,875.00	Please see attached statement.	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	\$1,999,000.00	\$322,986.17	Please see attached statement.	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Other -- Building Addition Size: 1500.0	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$7,052,575.01</b>	<b>\$4,624,810.20</b>	N/A	<b>\$3,915,861.59</b>	N/A
<b>Total for all systems</b>	<b>\$8,547,575.42</b>	<b>\$5,649,650.61</b>	N/A	<b>\$4,295,532.32</b>	N/A

## Components

**Actual Information****Description****File Name**

Miscellaneous

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.  
**Amount:** \$4,231.28

**Component Description:** Prime Contractor costs divided as described in Attachment 43C, Table 7.  
**Amount:** \$6,750.00

**Component Description:** Prime Contractor costs divided as described in Attachment 22A.  
**Amount:** \$16,875.00

**Component Description:** Prime Contractor costs divided as described in Attachment 24B.  
**Amount:** \$15,750.00

**Component Description:** Prime Contractor costs divided as described in Attachment 21A.  
**Amount:** \$18,000.00

**Component Description:** Prime Contractor costs divided as described in Attachment 23A.  
**Amount:** \$18,787.50



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Terminate and Test

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.

**Amount:** \$487.50

**Component Description:** Prime Contractor costs divided as described in Attachment 24B.

**Amount:** \$2,250.00

**Component Description:** Prime Contractor costs divided as described in Attachment 44, Table 8.

**Amount:** \$1,125.00

**Component Description:** Prime Contractor costs divided as described in Attachment 43C, Table 7.

**Amount:** \$5,400.00

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Cooling Pumps, Etc.

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.

**Amount:** \$4,450.00

**Component Description:** Prime Contractor costs divided as described in Attachment 21A.

**Amount:** \$4,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 23A.

**Amount:** \$15,750.00

**Component Description:** Prime Contractor costs divided as described in Attachment 43C, Table 7.

**Amount:** \$5,850.00

**Component Description:** Prime Contractor costs divided as described in Attachment 24B.

**Amount:** \$45,000.00

**Component Description:** Prime Contractor costs divided as described in Attachment 22A.

**Amount:** \$9,000.00

---

Closeout Documents	<p data-bbox="711 181 1015 210"><b>Component Description:</b></p> <p data-bbox="1150 181 1350 367">Prime Contractor costs divided as described in Attachment 52A, Table 11.</p> <p data-bbox="711 383 820 412"><b>Amount:</b></p> <p data-bbox="1150 383 1270 412">\$4,750.00</p>
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Install Transmitter, Racks

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.

**Amount:** \$2,625.00

**Component Description:** Prime Contractor costs divided as described in Attachment 22A.

**Amount:** \$22,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 23A.

**Amount:** \$11,250.00

**Component Description:** Prime Contractor costs divided as described in Attachment 21A.

**Amount:** \$4,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 24B.

**Amount:** \$6,750.00

**Component Description:** Prime Contractor costs divided as described in Attachment 43C, Table 7.

**Amount:** \$2,250.00

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Switchless Combiner

**Component Description:** Magic Tee  
Switchless  
Combiner Down  
Payment. See  
Attachment 59.

**Amount:** \$83,498.77

**Component Description:** Magic Tee  
Switchless  
Combiner Down  
Payment. See  
Attachment 58.

**Amount:** \$41,749.38

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Other Electrical Service:  
Install Electrical Power  
Distribution Including Panel  
Boards, Cable Tray,  
Cables, Receptacles,  
Transformers, and  
Grounding System.

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.  
**Amount:** \$3,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 23A.  
**Amount:** \$27,000.00

**Component Description:** Prime Contractor costs divided as described in Attachment 24B.  
**Amount:** \$11,250.00

**Component Description:** Prime Contractor costs divided as described in Attachment 43C, Table 7.  
**Amount:** \$2,250.00

**Component Description:** Electrical Contractor costs divided as described in Attachment 22A.  
**Amount:** \$9,000.00

**Component Description:** Electrical Contractor costs divided as described in Attachment 21A.  
**Amount:** \$13,500.00

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UHF - Liquid Cooled Solid  
State Transmitter 68.5 - 75  
kW

**Component Description:** 1/3 Downpayment  
for Primary  
Transmitter.  
**Amount:** \$563,473.44

**Component Description:** Final Payment for  
WCBS-TV Primary  
Transmitter.  
**Amount:** \$1,126,946.89

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UHF - Liquid Cooled Solid  
State Transmitter 68.5 - 75  
kW

**Component Description:** Backup  
Transmitter  
Installation  
Materials and  
Additional Time for  
Installation and  
Proof. See Quote  
provided as  
Attachment 33.  
**Amount:** \$216,314.75

**Component Description:** This Invoice  
duplicates fees  
shown in GatesAir  
Invoice  
GO10004638-G.  
Please disregard.  
**Amount:** N/A

**Component Description:** Backup  
Transmitter - Does  
not include  
transformer or  
installation. See  
quote provided as  
Attachment 32.  
**Amount:** \$1,307,017.95

**Component Description:** Waveguide Kit  
Required for  
Interim transmitter  
to interface with  
switches and  
antenna system.  
See Attachment  
35A.  
**Amount:** \$35,095.99



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Electrical Accessories

**Component Description:**

Fiber Optic Cable  
used for controlling  
transmitter  
equipment and site.

**Amount:**

\$7,872.31

**Component Description:**

Network Hardware  
used for controlling  
transmitter  
equipment and site.

**Amount:**

\$8,479.55

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Install Transmitter, Racks

**Component Description:** Prime Contractor costs divided as described in Attachment 43C, Table 7.

**Amount:** \$2,250.00

**Component Description:** Prime Contractor costs divided as described in Attachment 22A.

**Amount:** \$22,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 21A.

**Amount:** \$4,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 24B.

**Amount:** \$6,750.00

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.

**Amount:** \$2,625.00

**Component Description:** Prime Contractor costs divided as described in Attachment 23A.

**Amount:** \$11,250.00

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Miscellaneous

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.

**Amount:** \$4,231.28

**Component Description:** Prime Contractor costs divided as described in Attachment 21A.

**Amount:** \$18,000.00

**Component Description:** Prime Contractor costs divided as described in Attachment 43C, Table 7.

**Amount:** \$6,750.00

**Component Description:** Prime Contractor costs divided as described in Attachment 22A.

**Amount:** \$16,875.00

**Component Description:** Prime Contractor costs divided as described in Attachment 24B.

**Amount:** \$15,750.00

**Component Description:** Prime Contractor costs divided as described in Attachment 23A.

**Amount:** \$18,787.50

Other Electrical Service:  
Install Electrical Power  
Distribution Including Panel  
Boards, Cable Tray,  
Cables, Receptacles,  
Transformers, and  
Grounding System.

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.  
**Amount:** \$3,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 43C, Table 7.  
**Amount:** \$2,250.00

**Component Description:** Prime Contractor costs divided as described in Attachment 23A.  
**Amount:** \$27,000.00

**Component Description:** Prime Contractor costs divided as described in Attachment 21A.  
**Amount:** \$13,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 24B.  
**Amount:** \$11,250.00

**Component Description:** Prime Contractor costs divided as described in Attachment 22A.  
**Amount:** \$9,000.00

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Cooling Pumps, Etc.

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.

**Amount:** \$4,450.00

**Component Description:** Prime Contractor costs divided as described in Attachment 23A.

**Amount:** \$15,750.00

**Component Description:** Prime Contractor costs divided as described in Attachment 21A.

**Amount:** \$4,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 43C, Table 7.

**Amount:** \$5,850.00

**Component Description:** Prime Contractor costs divided as described in Attachment 22A.

**Amount:** \$9,000.00

**Component Description:** Prime Contractor costs divided as described in Attachment 24B.

**Amount:** \$45,000.00

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<p>Terminate and Test</p>	<p><b>Component Description:</b> Prime Contractor costs divided as described in Attachment 50, Table 9.</p> <p><b>Amount:</b> \$487.50</p> <p><b>Component Description:</b> Prime Contractor costs divided as described in Attachment 24B.</p> <p><b>Amount:</b> \$2,250.00</p> <p><b>Component Description:</b> Prime Contractor costs divided as described in Attachment 44, Table 8.</p> <p><b>Amount:</b> \$1,125.00</p> <p><b>Component Description:</b> Prime Contractor costs divided as described in Attachment 43C, Table 7.</p> <p><b>Amount:</b> \$5,400.00</p>
<p>Closeout Documents</p>	<p><b>Component Description:</b> Prime Contractor costs divided as described in Attachment 52A, Table 11.</p> <p><b>Amount:</b> \$4,750.00</p>
<p>Transmitter Installation</p>	<p>Information not provided.</p>
<p>UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW</p>	<p>Information not provided.</p>

Service entrance 3 phase /800 amp/208 volt	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
Other -- Building Addition Size: 1500.0	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 PEP40E</b>	<b>\$90,930.00</b>	<b>\$91,874.00</b>		<b>\$0.00</b>	
Adding a module to existing combiner (without antenna)	\$84,200.00	\$85,474.00	Modify and Retune Combiner. See Quote in Attachment 62 divided by two. The other half is shown under the 1WTC auxiliary antenna section.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized	<i>\$0.00</i>	\$0.00	Using Existing Antenna.	N/A	N/A
<b>Auxiliary Antenna TUD C5SP-10/34U-2-B</b>	<b>\$84,200.00</b>	<b>\$80,000.00</b>		<b>\$0.00</b>	



Adding a module to existing combiner (without antenna)	\$84,200.00	\$80,000.00	N/A	N/A	N/A
UHF - High Power Top Mount Five Station broadband panel antenna horizontally polarized	\$0.00	\$0.00	Using Existing Antenna.	N/A	N/A
<b>Auxiliary Antenna PEP-96L</b>	<b>\$90,930.00</b>	<b>\$92,024.00</b>		<b>\$0.00</b>	
UHF - High Power, Side Mount, broadband panel, 96 bay,, 241 kW input, elliptically or circularly polarized	\$0.00	\$0.00	Using Existing Antenna	N/A	N/A
Adding a module to existing combiner (without antenna)	\$84,200.00	\$85,474.00	Modify and Retune Combiner. See Quote in Attachment 62 divided by two. The other half is shown under the 1WTC main antenna section.	N/A	N/A

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Sweep test of existing antenna	\$6,730.00	\$6,550.00	N/A	N/A	N/A
<b>Sub-total</b>	\$266,060.00	\$263,898.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$8,547,575.42	\$5,649,650.61	N/A	\$4,295,532.32	N/A

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## 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>Interim Transmission Line</b>	<b>\$138,826.71</b>	<b>\$191,688.71</b>		<b>\$189,241.25</b>	
Rigid Transmission Line - copper, 8 3/16" broadband	\$131,670.00	\$184,532.00	Replace Widely Cost with Estimated and Actual Costs. See Attachment 26 plus shipping from Attachments 38, 39, and 64. Transmission line includes many custom length cut sections, elbows, etc. due to being used within a building.	\$182,084.54	N/A

Gas Barriers	<i>\$7,156.71</i>	\$7,156.71	Required to pressurize interim transmission line. See Quote and Invoice (Attachment 37B) which includes shipping. This cost is divided 50 /50 between primary and interim transmission line cost categories.	\$7,156.71	N/A
<b>Primary Transmission Line</b>	<b>\$7,156.70</b>	<b>\$7,156.70</b>		<b>\$7,156.70</b>	
Gas Barriers	<i>\$7,156.70</i>	\$7,156.70	Required to pressurize interim transmission line. See Quote and Invoice (Attachment 37B) which includes shipping. This cost is divided 50 /50 between primary and interim transmission line cost categories.	\$7,156.70	N/A
<b>Auxiliary Transmission Line</b>	<b>\$13,130.00</b>	<b>\$12,480.00</b>		<b>\$0.00</b>	

Rigid Transmission Line - copper, 6 1/8"	\$13,130.00	\$12,480.00	N/A	N/A	N/A
<b>Sub-total</b>	\$159,113.41	\$211,325.41	N/A	\$196,397.95	N/A
<b>Total for all systems</b>	\$8,547,575.42	\$5,649,650.61	N/A	\$4,295,532.32	N/A

## Components

### Actual Information

Description	File Name
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Rigid Transmission Line -  
copper, 8 3/16" broadband

**Component Description:** Transmission Line  
Partial Shipment.  
See Quote  
Attachment 26.  
**Amount:** \$31,014.00

**Component Description:** Transmission Line  
Partial Shipment.  
See Quote  
Attachment 26.  
**Amount:** \$64,969.00

**Component Description:** Transmission Line  
Partial Shipment.  
See Estimate  
Attachment 26.  
**Amount:** \$77,315.00

**Component Description:** See Attachment  
26 line items 9, 10,  
13. Includes  
Freight.  
**Amount:** \$6,860.54

**Component Description:** See Exhibit 26  
Line 8.  
**Amount:** \$1,926.00

Gas Barriers

**Component Description:** Pressurize interim  
transmission line.  
Cost split 50/50  
with primary  
transmission line.  
See Quote and  
Invoice in  
Attachment 37B.  
**Amount:** \$7,156.71

Gas Barriers	<p data-bbox="715 174 1023 210"><b>Component Description:</b></p> <p data-bbox="1155 174 1374 524">Required to pressurize primary transmission line. See Quote and Invoice in Attachment 37B. Cost is split 50/50 with interim transmission line.</p> <p data-bbox="715 533 826 568"><b>Amount:</b></p> <p data-bbox="1155 533 1278 568">\$7,156.70</p>
Rigid Transmission Line - copper, 6 1/8"	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>\$528,000.00</b>	<b>\$107,000.00</b>		<b>\$101,650.00</b>	
Install Transmission Line	<i>\$107,000.00</i>	\$107,000.00	See Attachment 6, Schedule D, Item 4.	\$101,650.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$0.00	Using Existing Antenna.	N/A	N/A
<b>Auxiliary Tower LTOWER</b>	<b>\$84,200.00</b>	<b>\$0.00</b>		<b>\$0.00</b>	
Short Tower (less than 500')	\$84,200.00	\$0.00	Using Existing Antenna.	N/A	N/A
<b>Sub-total</b>	<b>\$612,200.00</b>	<b>\$107,000.00</b>	N/A	<b>\$101,650.00</b>	N/A
<b>Total for all systems</b>	<b>\$8,547,575.42</b>	<b>\$5,649,650.61</b>	N/A	<b>\$4,295,532.32</b>	N/A

**Components**

Actual Information	
Description	File Name
Install Transmission Line	



**Component Description:** Prime Contractor costs divided as described in Statement 3.  
**Amount:** \$4,500.00

**Component Description:** Prime Contractor costs divided as described in Attachment 50, Table 9.  
**Amount:** \$4,375.00

**Component Description:** Prime Contractor costs divided as described in Attachment 51, Table 10.  
**Amount:** \$18,525.00

**Component Description:** Prime Contractor costs divided as described in Statement 3.  
**Amount:** \$31,500.00

**Component Description:** Prime Contractor costs divided as described in Statement 3.  
**Amount:** \$6,750.00

**Component Description:** Prime Contractor costs divided as described in Attachment 44, Table 8.  
**Amount:** \$18,000.00

	<p><b>Component Description:</b> Prime Contractor costs divided as described in Attachment 43C, Table 7.</p> <p><b>Amount:</b> \$18,000.00</p>
<p>Complex Tower (includes, for example, those with candelabras and/or stacked antennas)</p>	<p>Information not provided.</p>
<p>Short Tower (less than 500')</p>	<p>Information not provided.</p>

**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>\$127,712.00</b>	<b>\$123,542.00</b>		<b>\$47,417.00</b>	
Electrical Mechanical Structural Engineers	<i>\$44,542.00</i>	\$44,542.00	Please see Attachment 22, 28, and 28A.	\$44,542.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	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
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	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

Project management of the transition	\$39,500.00	\$37,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$1,100.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,775.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$127,712.00	\$123,542.00	N/A	\$47,417.00	N/A
<b>Total for all systems</b>	\$8,547,575.42	\$5,649,650.61	N/A	\$4,295,532.32	N/A

## Components

Actual Information	
Description	File Name
Electrical Mechanical Structural Engineers	<p><b>Component Description:</b> Engineering Work Due to Transmitter Site Design Refinements.</p> <p><b>Amount:</b> \$44,542.00</p>
RF Exposure Measurements	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Project management of the transition	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Perform engineering study for new channel assignment and antenna development	<p><b>Component Description:</b> Redo Channel Interference Study using New OET TVStudy software.</p> <p><b>Amount:</b> \$550.00</p> <p><b>Component Description:</b> Preliminary Channel Interference Study - April 2017</p> <p><b>Amount:</b> \$550.00</p>

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b> Prepare Engineering Section of FCC Application. <b>Amount:</b> \$1,775.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	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>\$238,985.00</b>	<b>\$232,675.00</b>		<b>\$34,205.78</b>	
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$35,000.00</i>	\$35,000.00	N/A	\$28,955.78	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$186,100.00</i>	\$186,100.00	Please see attached statement.	N/A	N/A
Local Zoning	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$5,250.00	See quote provided as Attachment 53	\$5,250.00	N/A
<b>Sub-total</b>	<b>\$238,985.00</b>	<b>\$232,675.00</b>	N/A	<b>\$34,205.78</b>	N/A

<b>Total for all systems</b>	\$8,547,575.42	\$5,649,650.61	N/A	\$4,295,532.32	N/A
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### Components

Actual Information Description	File Name
MVPD Notification of Channel Change	Information not provided.
Equipment Delivery and Handling Charges	<p><b>Component Description:</b> Transmitter Waveguide Kit Freight. <b>Amount:</b> \$474.48</p> <p><b>Component Description:</b> Magic Tee Switchless Combiner Freight. <b>Amount:</b> \$1,250.00</p> <p><b>Component Description:</b> Transmitter Freight <b>Amount:</b> \$4,600.00</p> <p><b>Component Description:</b> Delivery - Distilled Water <b>Amount:</b> \$970.00</p> <p><b>Component Description:</b> Transmission Line Delivery <b>Amount:</b> \$21,661.30</p> <p><b>Component Description:</b> Delivery Distilled Water <b>Amount:</b> \$970.00</p>
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.



Local Zoning	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	<p data-bbox="715 405 1018 439"><b>Component Description:</b></p> <p data-bbox="1155 405 1334 517">See Quote provided as Attachment 53.</p> <p data-bbox="715 524 823 557"><b>Amount:</b></p> <p data-bbox="1155 524 1273 557">\$5,250.00</p>

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

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$8,547,575.42	\$5,649,650.61	\$4,295,532.32

**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
	<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.

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 above-named applicant for the Authorization(s) specified above.

**Andrew J Siegel**  
*Assistant Secretary*

12/28/2018

Certification	Section	Question	Response
	<b>Submission of Actual Cost Documentation Statements</b>	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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 above-named applicant for the Authorization(s) specified above.

**Andrew J Siegel**  
*Assistant Secretary*

12/28/2018

## Attachments