Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	**9610**	Service:	**DTV**	Call Sign:	**WCBS-TV**	Channel:	**36 (UHF)**
File Number:	**0000025981**						
FRN:	**0003482189**	Date Submitted:	**02/13/2018**				

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CBS BROADCASTING INC. 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
Daniel G. Ryson *Associate Director Spectrum Management* *CBS*	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
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	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
Existing Transmitter Manufacturer and Type	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
New Transmitter	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
Electrical Service	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
HVAC Service	Does the replacement transmitter require HVAC Service?	No

	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	1500.0 square feet
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Transmitter Installation	West Orange, NJ Transmitter Installation.

Auxiliary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	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
Existing Transmitter Manufacturer and Type	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
New Transmitter	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
Electrical Service	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, Recepacles, Transformers, and Grounding System.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter

Other Transmitter Cost Not Listed

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	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
New Transmitter	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
Electrical Service	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, Recepacles, Transformers, and Grounding System.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Miscellaneous	General Conditions, Contract Submittals, Documentation, Mobilization, Misc. Installation Materials, Hardware, and Field Testing.

Closeout Documents	Closeout documentation (warranties, certifications, as-built drawings, etc.) See Attachment 6, Schedule B, Item 3.
Cooling Pumps, Etc.	Install cooling pumps, piping, hoses, heat exchangers.
Terminate and Test	Other transmitter costs, delivery, handling, etc. See Attachment 6, Schedule D, Item 8.
Install Transmitter, Racks	Installation of Transmitter Cabinets and Racks.

Antennas

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

Auxiliary Antenna

Add Antenna Information

Section	Question	Response
Existing Antenna Description	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
Existing Antenna Manufacturer and Type	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
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	No

Auxiliary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	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.

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	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
Existing Antenna Manufacturer and Type	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
New Antenna Description	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
New Antenna Manufacturer and Types	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
Combiner for Shared Antenna	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number
36

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

Transmission Line

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

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	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
	Information not provided.

Auxiliary Transmission Line

Add Transmission Line

Section	Question	Response
Existing Transmission Line Description	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
Existing Transmission Line Manufacturer and Type	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
New Transmission Line Costs	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
New Transmission Line Costs	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

Information not provided.

Tower Equipment And Rigging Costs

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

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
22206	WNYW	DTV
73333	WNJU	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
Existing Tower Description	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
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1263701
Coordinates (NAD83 (North American Datum of 1983))	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
47535	WNBC	DTV
73356	WPXN-TV	DTV

Primary 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

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Located on Building
Helicopter Services Required	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

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	250
	Explanation	Company lacks sufficient internal resources.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	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
Attorney and Other Outside Consulting Services	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	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
RF Field Engineering Services	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

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

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	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
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	No
	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 Justificatio
Primary Transmitter ULXT-80	**$2,317,500.00**	**$2,008,920.33**		**$1,942,082.83**	
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
Other Electrical Service: Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Recepacles, Transformers, and Grounding System.	***$70,000.00***	$70,000.00	Please see attached Statement 3.	$60,750.00	N/A

Closeout Documents	***$9,500.00***	$9,500.00	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.	N/A	N/A
Cooling Pumps, Etc.	***$89,000.00***	$89,000.00	Please see attached statement.	$74,250.00	N/A
Terminate and Test	***$12,250.00***	$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.	$2,250.00	N/A
Install Transmitter, Racks	***$52,500.00***	$52,500.00	Please see attached statement.	$45,000.00	N/A
Miscellaneous	***$85,250.00***	$85,250.00	Please see attached Statement 3.	$69,412.50	N/A
Auxiliary Transmitter ULXT-80	**$2,285,475.00**	**$606,861.17**		**$0.00**	

Transmitter Installation	***$223,875.00***	$223,875.00	Please see attached statement.	N/A	N/A
Other -- Building Addition Size: 1500.0	***$10,000.00***	$10,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	$38,200.00	$36,300.00	N/A	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	$14,400.00	$13,700.00	N/A	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
Auxiliary Transmitter ULXT-80	**$2,321,726.38**	**$2,013,146.71**		**$251,662.50**	
Terminate and Test	***$12,250.00***	$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.	$2,250.00	N/A
Install Transmitter, Racks	***$52,500.00***	$52,500.00	Please see attached statement.	$45,000.00	N/A
Miscellaneous	***$85,250.00***	$85,250.00	Please see attached Statement 3.	$69,412.50	N/A

UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	$1,999,000.00	$1,690,420.33	Please see attached Statement and Attachment 2.	N/A	N/A
Other Electrical Service: Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Recepacles, Transformers, and Grounding System.	***$70,000.00***	$70,000.00	Please see attached Statement 3.	$60,750.00	N/A
Closeout Documents	***$9,500.00***	$9,500.00	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.	N/A	N/A
Cooling Pumps, Etc.	***$89,000.00***	$89,000.00	Please see attached statement.	$74,250.00	N/A
Electrical Accessories	***$4,226.38***	$4,226.38	Please see attached statement.	N/A	N/A
Sub-total	$6,924,701.38	$4,628,928.21	N/A	$2,193,745.33	N/A

Total for all systems	$8,304,458.38	$5,534,093.21	N/A	$2,352,460.63	N/A

Components

Actual Information Description	File Name	
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

Other Electrical Service: Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Recepacles, Transformers, and Grounding System.	**Component Description:** **Amount:**	Electrical Contractor costs divided as described in Statement 3. $9,000.00
	Component Description: **Amount:**	Prime Contractor costs divided as described in Statement 3. $27,000.00
	Component Description: **Amount:**	Electrical Contractor costs divided as described in Statement 3. $13,500.00
	Component Description: **Amount:**	Prime Contractor costs divided as described in Statement 3. $11,250.00
Closeout Documents	Information not provided.	

Cooling Pumps, Etc.	**Component Description:**	Prime Contractor costs divided as described in Statement 3.
	Amount:	$15,750.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$4,500.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$45,000.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$9,000.00
Terminate and Test	**Component Description:**	Prime Contractor costs divided as described in Statement 3.
	Amount:	$2,250.00

Install Transmitter, Racks	**Component Description:**	Prime Contractor costs divided as described in Statement 3.
	Amount:	$22,500.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$4,500.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$11,250.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$6,750.00

Miscellaneous	**Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $15,750.00 **Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $18,000.00 **Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $18,787.50 **Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $16,875.00
Transmitter Installation	Information not provided.
Other -- Building Addition Size: 1500.0	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
Service entrance 3 phase /800 amp/208 volt	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	Information not provided.

Terminate and Test	**Component Description:**	Prime Contractor costs divided as described in Statement 3.
	Amount:	$2,250.00
Install Transmitter, Racks	**Component Description:**	Prime Contractor costs divided as described in Statement 3.
	Amount:	$4,500.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$11,250.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$22,500.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$6,750.00

Miscellaneous	**Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $15,750.00 **Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $16,875.00 **Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $18,787.50 **Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $18,000.00
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	Information not provided.

Other Electrical Service: Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Recepacles, Transformers, and Grounding System.	**Component Description:** **Amount:**	Prime Contractor costs divided as described in Statement 3. $11,250.00
	Component Description: **Amount:**	Prime Contractor costs divided as described in Statement 3. $9,000.00
	Component Description: **Amount:**	Prime Contractor costs divided as described in Statement 3. $13,500.00
	Component Description: **Amount:**	Prime Contractor costs divided as described in Statement 3. $27,000.00
Closeout Documents	Information not provided.	

Cooling Pumps, Etc.	**Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $45,000.00 **Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $4,500.00 **Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $9,000.00 **Component Description:** Prime Contractor costs divided as described in Statement 3. **Amount:** $15,750.00
Electrical Accessories	Information not provided.

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna PEP40E	**$90,930.00**	**$86,400.00**		**$0.00**	
UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized	***$0.00***	$0.00	Using Existing Antenna.	N/A	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
Adding a module to existing combiner (without antenna)	$84,200.00	$80,000.00	N/A	N/A	N/A
Auxiliary Antenna TUD C5SP-10/34U-2-B	**$84,200.00**	**$80,000.00**		**$0.00**	
UHF - High Power Top Mount Five Station broadband panel antenna horizontally polarized	***$0.00***	$0.00	Using Existing Antenna.	N/A	N/A

Adding a module to existing combiner (without antenna)	$84,200.00	$80,000.00	N/A	N/A	N/A
Sub-total	$175,130.00	$166,400.00	N/A	$0.00	N/A
Total for all systems	$8,304,458.38	$5,534,093.21	N/A	$2,352,460.63	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
Interim Transmission Line	**$131,670.00**	**$180,918.00**		**$90,459.00**	
Rigid Transmission Line - copper, 8 3 /16" broadband	$131,670.00	$180,918.00	Replace Widelity Cost with Actual Cost. See Attachment 29. Transmission line includes many custom length cut sections, elbows, etc. due to being used within a building.	$90,459.00	N/A
Primary Transmission Line	**$0.00**	**$0.00**		**$0.00**	
Auxiliary Transmission Line	**$13,130.00**	**$12,480.00**		**$0.00**	
Rigid Transmission Line - copper, 6 1/8"	$13,130.00	$12,480.00	N/A	N/A	N/A
Sub-total	$144,800.00	$193,398.00	N/A	$90,459.00	N/A
Total for all systems	$8,304,458.38	$5,534,093.21	N/A	$2,352,460.63	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 8 3/16" broadband	**Component Description:** **Amount:**	Interim Transmission Line 50% Down Payment. $90,459.00
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
Primary Tower BTWR	**$528,000.00**	**$107,000.00**		**$42,750.00**	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$0.00	Using Existing Antenna.	N/A	N/A
Install Transmission Line	***$107,000.00***	$107,000.00	See Attachment 6, Schedule D, Item 4.	$42,750.00	N/A
Auxiliary Tower LTOWER	**$84,200.00**	**$0.00**		**$0.00**	
Short Tower (less than 500')	$84,200.00	$0.00	Using Existing Antenna.	N/A	N/A
Sub-total	$612,200.00	$107,000.00	N/A	$42,750.00	N/A
Total for all systems	$8,304,458.38	$5,534,093.21	N/A	$2,352,460.63	N/A

Components

Actual Information Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.

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 Statement 3.
	Amount:	$31,500.00
	Component Description:	Prime Contractor costs divided as described in Statement 3.
	Amount:	$6,750.00
Short Tower (less than 500')	Information not provided.	

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	**$127,712.00**	**$123,542.00**		**$2,875.00**	
Electrical Mechanical Structural Engineers	***$44,542.00***	$44,542.00	Please see Attachment 29.	$0.00	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
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	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
Attorney Fees - Negotiation of lease and other matters for shared locations	$4,210.00	$4,000.00	N/A	N/A	N/A
RF Exposure Measurements	$21,050.00	$20,000.00	N/A	N/A	N/A
Sub-total	$127,712.00	$123,542.00	N/A	$2,875.00	N/A
Total for all systems	$8,304,458.38	$5,534,093.21	N/A	$2,352,460.63	N/A

Components

Actual Information Description	File Name	
Electrical Mechanical Structural Engineers	**Component Description:** **Amount:**	Engineering Work Due to Transmitter Site Design Refinements. $44,542.00
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	**Component Description:** **Amount:** **Component Description:** **Amount:**	Preliminary Channel Interference Study - April 2017 $550.00 Redo Channel Interference Study using New OET TVStudy software. $550.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	Prepare Engineering Section of FCC Application. $1,775.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
RF Exposure Measurements	Information not provided.

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$228,985.00**	**$228,425.00**		**$22,631.30**	
MVPD Notification of Channel Change	***$5,000.00***	$5,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	***$25,000.00***	$25,000.00	N/A	$22,631.30	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$186,100.00***	$186,100.00	Please see attached statement.	N/A	N/A
Local Zoning	***$1,000.00***	$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	$11,000.00	N/A	N/A	N/A
Sub-total	$228,985.00	$228,425.00	N/A	$22,631.30	N/A

Total for all systems	$8,304,458.38	$5,534,093.21	N/A	$2,352,460.63	N/A

Components

Actual Information Description	File Name	
MVPD Notification of Channel Change	Information not provided.	
Equipment Delivery and Handling Charges	**Component Description:** **Amount:**	Transmission Line Delivery $21,661.30
	Component Description: **Amount:**	Delivery Distilled Water $970.00
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	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$8,304,458.38	$5,534,093.21	$2,352,460.63

Reimbursement Status

Question	Response
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
Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Andrew J Siegel** *Assistant Secretary* 02/13/2018

Attachments