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: **20426** | Service: **DTV** | Call Sign: **WTWO** | Channel: **35 (UHF)**

File Number: **0000028709**

FRN: **0009961889** | Date Submitted: **09/17/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
NEXSTAR BROADCASTING, INC.	Elizabeth Ryder 545 E. JOHN CARPENTER FREEWAY SUITE 700 IRVING, TX 75062 United States	+1 (972) 373-8800	eryder@nexstar.tv	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
Elizabeth Ryder *General Counsel* *Nexstar Broadcasting, Inc.*	Elizabeth Ryder 545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 373-8800	eryder@nexstar.tv

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	See attachment.

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	Backup
	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	5 kW
	Year	1900
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	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?	No
	Manufacturer	
	Model	UAXTE-12
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	6 kW
	Justification for New Transmitter	Existing transmitter cannot be converted to repacked channel per manufacturer.

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	50.0 feet
	Other Electrical Service	No

	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	5 tons
	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

Information not provided.

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	UNKNOWN
	Year	2009
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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?	No
	Manufacturer	
	Model	THU9EVO-36
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	55 kW
	Justification for New Transmitter	Existing transmitter cannot be converted to repacked channel per manufacturer and manufacturer is no longer in business. See attached documentation from Comark for pricing. LCSS transmitter is less expensive than the IOT version.

Primary 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	Yes
	Size	3 inches
	Length	100.0 feet
	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	100.0 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

Primary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	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	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels	64
	Design power capacity in use	75.0 %
	Lower Limit	600.00 MHz
	Upper Limit	630.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	2000.0 kW

Manufacturer	
Model	9551516
Year	2007

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

Facility ID	Call Sign
65247	WAWV-TV

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	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	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels/Bays	64
	Lower Limit	470.00 MHz
	Upper Limit	650.00 MHz
	Design power capacity in use	75.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	2000.0 kW
	Manufacturer	

Model	TUA-O4-16 /64H-1-R-T
Year	2017
Justification for New Antenna	Existing broadband panel has VSWR problem at repacked channel. Manufacturer is no longer in business and no product support is available. It is known that antenna was modified earlier and could have reduced original operating range.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	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?	Yes

	Broadband or Single Channel?	Broadband
	Feed Line Size	7 3/16 inches inches
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
35
18

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	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 Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels/Bays	4
	Lower Limit	470.00 MHz
	Upper Limit	630.00 MHz
	Design power capacity in use	25.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	250.0 kW
	Manufacturer	
	Model	TUA-4/16-O4
	Year	2017

	Justification for New Antenna	Station has no way to remain on the air except to acquire/use an interim antenna.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	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?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an 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

Interim 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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	910 feet per run

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

Facility ID	Call Sign
65247	WAWV-TV

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
T Line extension	Add 180 feet of 7" line to existing run to mate with antenna location.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	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?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1027196
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	39° 14' 33.0" N-
	Longitude (NAD83)	087° 23' 29.0" W-
	Overall Structure Height	999.00 feet
	Support Structure Height	892.38 feet
	Ground Elevation Above Mean Sea Level (AMSL)	549.86 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Nexstar Broadcasting, Inc.
Date Constructed	07/01/1965

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
65247	WAWV-TV	DTV

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Additional Tower Modifications	Tower should have been classified as "Serious" instead of "Major".
Weather Days	Costs associated with tower crew unable to work due to adverse weather

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	500
	Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects.
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	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes

	Quantity	2
	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	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	Yes

Number of Days	15
Justification	It is necessary to survey the site, plan the equipment, develop specifications for purchasing, & oversee multiple vendor RF projects. Station does not have available personnel trained in such services.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

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	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
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?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
Sales Tax	Sales and use tax for goods and services.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter THU9EVO-36	**$1,850,800.00**	**$1,449,670.00**		**$1,229,995.41**	
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	$1,788,000.00	$1,388,470.00	See attached Comark quote for 2 tube IOT.	$1,229,995.41	N/A
Switchgear - industrial 800 amp	$38,200.00	$37,150.00	N/A	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	$14,400.00	$14,050.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	$5,200.00	$5,000.00	N/A	N/A	N/A

Other -- Building Addition Size: 100.0	***$5,000.00***	$5,000.00	Need to move walls, plumbing, electrical wiring, lighting fixtures, etc. This is the estimated share of WTWO's expense (50%)	N/A	N/A
Auxiliary Transmitter UAXTE-12	**$295,250.00**	**$288,200.00**		**$18,271.00**	
Switchgear - industrial 800 amp	$38,200.00	$37,150.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	$236,500.00	$230,500.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$1,300.00	$1,300.00	N/A	N/A	N/A
Other -- HVAC Service Type: H Size:5 (Other)	***$19,250.00***	$19,250.00	N/A	$18,271.00	N/A
Sub-total	$2,146,050.00	$1,737,870.00	N/A	$1,248,266.41	N/A
Total for all systems	$4,528,790.00	$3,716,732.00	N/A	$1,910,976.99	N/A

Components

Actual Information Description	File Name	
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	**Component Description:** **Amount:**	75% Balance due on WTWO transmitter. See remaining invoice balance 81253.20 sales tax. See also quote from Rohde Schwarz. $870,570.00
	Component Description: **Amount:**	Transmitter building electric work $50,435.41
	Component Description: **Amount:**	25% Down payment on WTWO transmitter system. $290,190.00
	Component Description: **Amount:**	WTWO 50% share of installation costs. See also WAWV FAC 65247. $11,600.00
	Component Description: **Amount:**	Transmitter Single Cabinet Configuration $7,200.00
Switchgear - industrial 800 amp	Information not provided.	
Service entrance 3 phase /800 amp/208 volt	Information not provided.	

3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Other -- Building Addition Size: 100.0	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Other -- HVAC Service Type: H Size:5 (Other)	**Component Description:** 50% share of HVAC cost. See also $746.97 to sales tax and $19,017.97 to WAWV FAC 65247. **Amount:** $18,271.00

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
Interim Antenna TUA-4/16-O4	**$360,270.00**	**$272,080.00**		**$0.00**	
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 250 horizontally polarized	***$260,000.00***	$260,000.00	WTWO's share of the cost of a $520k antenna.	N/A	N/A
Sweep test of existing antenna	$6,730.00	$3,200.00	WTWO's share of the cost at 50%.	N/A	N/A
New combiner, cost per channel (without antenna)	$84,200.00	$0.00	Use same combiner as purchased for new primary antenna.	N/A	N/A
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	$9,340.00	$8,880.00	N/A	N/A	N/A
Primary Antenna TUA-O4-16 /64H-1-R-T	**$654,780.00**	**$363,974.00**		**$231,654.40**	

Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	$16,850.00	$12,950.00	WTWO's share of the cost at 50%. Increased to match Dielectric quote.	$11,613.40	N/A
New combiner, cost per channel (without antenna)	$84,200.00	$80,000.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), Two Station broadband panel antenna, horizontally polarized	$547,000.00	$267,824.00	WTWO's share of the cost at 50%. See attached quote from Dielectric.	$217,161.00	N/A
Sweep test of existing antenna	$6,730.00	$3,200.00	WTWO's share of the cost at 50%.	$2,880.00	N/A
Sub-total	$1,015,050.00	$636,054.00	N/A	$231,654.40	N/A
Total for all systems	$4,528,790.00	$3,716,732.00	N/A	$1,910,976.99	N/A

Components

Actual Information Description	File Name
UHF – Broadband Panel, Side Mount Auxiliary/Interim, 250 horizontally polarized	Information not provided.
Sweep test of existing antenna	Information not provided.

New combiner, cost per channel (without antenna)	Information not provided.
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	**Component Description:** WTWO share of line 3 of invoice. **Amount:** $1,508.63 **Component Description:** WTWO share line 2 of invoice **Amount:** $3,219.75 **Component Description:** WTWO share of line 4 of invoice. See also WAWV FAC 65247. **Amount:** $1,078.32 **Component Description:** WTWO share of line 3 of invoice. See also WAWV FAC 65247. **Amount:** $1,508.63 **Component Description:** WTWO share of line 4 of invoice. **Amount:** $1,078.32 **Component Description:** WTWO share of line 2 of invoice. See also WAWV FAC 65247. **Amount:** $3,219.75
New combiner, cost per channel (without antenna)	Information not provided.

UHF - High Power Top Mount (200-1000 kW), Two Station broadband panel antenna, horizontally polarized	**Component Description:** **Amount:**	WTWO share of line 1 of invoice. See also WAWV FAC 65247. $108,580.50
	Component Description: **Amount:**	WTWO share of line 1 of invoice; see also WAWV FAC 65247. $108,580.50
Sweep test of existing antenna	**Component Description:** **Amount:**	WTWO share of line 5 of invoice. See also WAWV FAC 65247. $1,440.00
	Component Description: **Amount:**	WTWO Share of line 5 of invoice. See also WAWV FAC 65247. $1,440.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	**$28,530.00**	**$28,530.00**		**$0.00**	
T Line extension	***$28,530.00***	$28,530.00	180 feet of 7" BB T-Line. WTWO's share of the cost at 50%.	N/A	N/A
Sub-total	$28,530.00	$28,530.00	N/A	$0.00	N/A
Total for all systems	$4,528,790.00	$3,716,732.00	N/A	$1,910,976.99	N/A

Components

Information not provided.

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificati
Primary Tower TOWER	**$868,320.00**	**$851,020.00**		**$321,340.00**	
Major tower reinforcement /modifications	$421,000.00	$409,500.00	WTWO's share of the cost at 50%.	$197,340.00	N/A
Tall Tower (greater than 500')	$210,500.00	$205,000.00	N/A	$82,300.00	N/A
Additional Tower Modifications	***$182,520.00***	$182,520.00	Tower should have been classified as "Serious" instead of "Major". Reimbursement has already been requested under "Major" so it's not possible to change classifications. "Additional Tower Modifications" added to cover $592,020 tower mods (Job No. 17612-6)	N/A	N/A
Weather Days	***$41,700.00***	$41,700.00	See attached quotes from Precision Communications, Inc. (PCI).	$41,700.00	N/A

Structural engineering tower load study for well documented tower	$12,600.00	$12,300.00	WTWO's share of the cost at 50%.	N/A	N/A
Sub-total	$868,320.00	$851,020.00	N/A	$321,340.00	N/A
Total for all systems	$4,528,790.00	$3,716,732.00	N/A	$1,910,976.99	N/A

Components

Actual Information Description	File Name

Major tower reinforcement /modifications	**Component Description:**	Foundation modifications, balance due on completion
	Amount:	$27,702.50
	Component Description:	Tower modifications balance due on completion
	Amount:	$99,860.69
	Component Description:	Amount due on proposal acceptance for Tower Modifications. See also sales tax $5747.00.
	Amount:	$82,100.00
	Component Description:	Amount due on acceptance for Foundation Mods
	Amount:	$16,570.00
	Component Description:	Payment 2 on Tower Modifications; balance of invoice to sales tax
	Amount:	$82,100.00
	Component Description:	Second payment due on Foundation mods.
	Amount:	$16,570.00

Tall Tower (greater than 500')	**Component Description:** **Amount:**	Main antenna replacement installment #3 $27,500.00
	Component Description: **Amount:**	First installment due; see also sales tax $27,400.00
	Component Description: **Amount:**	Second installment due. $27,400.00
Additional Tower Modifications	Information not provided.	
Weather Days	**Component Description:** **Amount:**	Weather days 2.14.18 through 4.3.18 $15,750.00
	Component Description: **Amount:**	Weather days 4.14.18 through 5.3.18 $25,950.00
Structural engineering tower load study for well documented tower	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	**$200,650.00**	**$196,660.00**		**$4,062.50**	
Additional Field Engineering Service, 15 Days	***$81,000.00***	$81,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,120.00	N/A	N/A	N/A
Project management of the transition	$79,000.00	$77,000.00	N/A	$300.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$7,360.00	$7,170.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	$2,105.00	$2,050.00	N/A	N/A	N/A

FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$2,050.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,305.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	$4,100.00	$3,070.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,535.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,070.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,170.00	N/A	$3,762.50	N/A

Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,560.00	N/A	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,560.00	N/A	N/A	N/A
Sub-total	$200,650.00	$196,660.00	N/A	$4,062.50	N/A
Total for all systems	$4,528,790.00	$3,716,732.00	N/A	$1,910,976.99	N/A

Components

Actual Information Description	File Name
Additional Field Engineering Service, 15 Days	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.

Project management of the transition	**Component Description:** Project Management for Structural Analysis and Tower Modifications. Services from October 27, 2017 through December 31, 2017. **Amount:** $225.00 **Component Description:** Project Management for Structural Analysis and Tower Modifications. Services from January 1, 2018 through January 26, 2018. **Amount:** $75.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	**Component Description:** Revise storyboard if needed, interference study, create CP and recalculate ERP if COR changed, transition plan document, create 399, coverage maps, and upload draft docs to ASANA. **Amount:** $700.00 **Component Description:** Information gathering, creation of transition plan with definition of initial equipment and service needs. **Amount:** $525.00 **Component Description:** Creation of initial repacked versus licensed map comparison. Info gather for both station transmission facilities and creation of repack plan in conjunction with engineer. **Amount:** $1,050.00

	Component Description: **Amount:**	Evaluation of coverage with interim antenna versus top mount and impact upon transmission systems $787.50
	Component Description: **Amount:**	Repack plan and revision, 399 form info, MCI Panel Analysis $700.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	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	**$270,190.00**	**$266,598.00**		**$105,653.68**	
Sales Tax	***$210,000.00***	$210,000.00	Sales and use tax for goods and services based on IN state rates.	$89,153.68	N/A
MVPD Notification of Channel Change	***$2,500.00***	$2,500.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$1,500.00***	$1,500.00	Costs to develop and produce crawls and spots for viewer notification.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$16,500.00***	$16,500.00	Disposal costs per attached quote from Kevin Ballentine /USA Commercial	$16,500.00	N/A
Equipment Delivery and Handling Charges	***$25,000.00***	$25,000.00	N/A	N/A	N/A
Equipment Storage	***$1,000.00***	$1,000.00	N/A	N/A	N/A

Local Zoning	***$500.00***	$500.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$195.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	$335.00	$333.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	$1,110.00	$1,070.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$8,000.00	N/A	N/A	N/A
Sub-total	$270,190.00	$266,598.00	N/A	$105,653.68	N/A
Total for all systems	$4,528,790.00	$3,716,732.00	N/A	$1,910,976.99	N/A

Components

Actual Information Description	File Name

Sales Tax	**Component Description:** Sales tax related to down payment for Tower Modifications. **Amount:** $5,747.00 **Component Description:** Payment 2, sales tax balance; **Amount:** $1,253.00 **Component Description:** Request for sales tax component of this invoice. See related request for balance of Transmitter $870,570.00 **Amount:** $81,253.20 **Component Description:** 50% share of sales tax related to invoice. See also WAWV FAC 65247. **Amount:** $746.97 **Component Description:** Sales tax; see remaining $27400 in Tall Tower. **Amount:** $153.51
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.

Disposal Costs (for equipment and other waste, net of any salvage value)	**Component Description:** **Amount:** **Component Description:** **Amount:**	Deposit for disposal services $4,500.00 Balance due disposal services $12,000.00
Equipment Delivery and Handling Charges	Information not provided.	
Equipment Storage	Information not provided.	
Local Zoning	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP 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	$4,528,790.00	$3,716,732.00	$1,910,976.99

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.	**Elizabeth Ryder** *General Counsel* 09/17/2018

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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).	
	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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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.	**Elizabeth Ryder** *General Counsel* 09/17/2018

Attachments