

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	41674	Service: DTV	Call	WNDU-TV	Channel: 27 (UHF)	
File	000002	8730	Sign:			
Number:						
FRN: 00 '	18223693	Date	09/19			
		Submitted:	/2019			

Applicant Name, Type, and Contact Information

Information	Applicant	Address	Phone	Email	Applicant Type
	GRAY TELEVISION LICENSEE, LLC	WNDU John O'Brien 54516 STATE ROAD 933 SOUTH BEND, IN 46637	+1 (574) 284-3000	robert. folliard@gray. tv	Limited Liability Company
		United States			

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information				
Contact Information	Applicant	Address	Phone	Email	
	Samuel Hariton Widelity	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.com	

Broadcaster	Question	Response
Information and Transition Plan	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
	Briefly describe transition plan	The station is replacing both the main and aux antenna systems, transmission lines, and transmitters with new hardware.

Transmitters	Section	Question	Response
	Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Auxiliary	Existing Transmitter Information					
Transmitter	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				
	Manufacturer and Type	Model	DCX Gen 1			
		Year	1998			
		Туре	Inductive Output Tube			
		IOT Power Type	Two			
		Power Capacity	44 kW			

Existing Transmitter Information

Auxiliary	New Transmitter Costs					
Transmitter	Section	Question	Response			
	New Transmitter	Use	Auxiliary (Backup)			
		Change Type	Purchase New			
		Is this a request for upgraded equipment?	Yes			
		Manufacturer				
		Model	HPTV- PARLX-U32			
		Transmitter Type	Solid State			
		Solid State Cooling	Liquid Cooled			
		Solid State Power capacity	55 kW			
		Justification for New Transmitter	Current Comark DCX Gen 1 from 1998 is not compatible with repack channel 27 and no available parts due to being discontinued			

Auxiliary Other Transmitter Costs

Transmitter	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	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	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	Other Transmitter Cost Not Listed			
Transmitter	Name	Description		
	Internal RF System	A new internal RF System is necessary for this Auxiliary Transmitter.		

Primary	Existing Transmitter Information					
Transmitter	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				
	Manufacturer and Type	Model	DCX Generation 1			
		Year	1998			
		Туре	Inductive Output Tube			
		IOT Power Type	Two			
		Power Capacity	49 kW			

Existing Transmitter Information

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	HPTV- PARLX-U32
		Transmitter Type	Solid State
		Solid State Cooling	Liquid Cooled
		Solid State Power capacity	55 kW
		Justification for New Transmitter	Per manufacturer Current Comark DCX Gen 1 from 1998 is not compatible with repack channel 27 and no available parts due to being discontinued

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	

Other Transmitter Costs

	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	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

Other Transmitter Cost Not Listed Name Description Transmitter Remote Remote controls for transmitter Renovation Necessary interior wall work for transmitter building Ice shield Fencing extension for Interim heat exchanger Site Survey Basic site survey by GatesAir

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Auxiliary Antenna	Section	Question	Response
	Existing Antenna Description	Type of change	Purchase
	2000.p.io.i	Antenna Use	Auxiliary (Backup)
		Description of Use	Backup
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is the existing antenna shared with another station or stations?	No
		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	Class	Full Power
	Manufacturer and Type	Mounting	Top Mount
		Antenna position in stack	Not in Stat
		Polarization	Horizontal
		Туре	Broadband Panel
		Number of Stations Supported	1
		Number of Panels	32
		Design power capacity in use	100.0 %
		Lower Limit	638.00 MH
		Upper Limit	644.00 MH
		Other Antenna Type	N/A
		ERP: (Effective Radiated Power)	631.0 kW

	Manufacturer	
	Model	TUP-04-8-1
	Year	1995

Auxiliary	New Antenna Costs				
Antenna	Section	Question	Response		
	New Antenna Description	Use	Auxiliary (Backup)		
		Description of Use	Backup		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	Yes		
		Ownership	Owned		
		Owner	N/A		
		Is antenna shared?	No		
		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	Elliptical		
		Туре	Broadband Panel		
		Number of Stations Supported	1		
		Number of Panels/Bays	32		
		Lower Limit	548.00 MHz		
		Upper Limit	644.00 MHz		
		Design power capacity in use	100.0 %		
		Other Antenna Type	N/A		
		ERP: (Effective Radiated Power)	573.0 kW		
		Manufacturer			

Model	TUM-04-8 /32L-R-T-1
Year	2017
Justification for New Antenna	Current Dielectric broadband antenna is discontinued and no longer supported starting in 1997-1998

Auxiliary Other Antenna Costs

Auxiliary Antenna				
	Section	Question	Response	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No	
		Туре		
		Number of channels supported	N/A	
		Frequencies of channels supported	N/A	
		Frequency	N/A	
		Do you need a combiner output splitter /switcher for dual feed lines?	N/A	
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes	
		Broadband or Single Channel?	Broadband	
		Feed Line Size	6 1/8 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	Yes
	transmission line and antenna?	

Auxiliary Antenna	Other Antenna Cost Not Listed		
	Name	Description	
	Top Plate Adapter	Adapter for top of tower to match the bolt pattern of the antenna	

Primary	Existing Antenna Information			
Antenna	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?	No	
		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	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	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	Travelling Wave Slot	
		ERP: (Effective Radiated Power)	800.0 kW	
			,	

Manufacturer	
Model	ATW33H3- ETO-42H
Year	2012

Primary	New Antenna Costs			
Antenna	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?	No	
		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	Elliptical	
		Туре	Other	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	Travelling Wave Slot	
		ERP: (Effective Radiated Power)	650.0 kW	
		Manufacturer		

Model	TFU-31ETT /VP-R 04
Year	2017
Justification for New Antenna	Current ERI antenna single channel on Ch 42, not compatible with repack Ch 27

Other Antenna Costs

Primary Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 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	Yes
	transmission line and antenna?	

Primary	Other Antenna Cost Not Listed		
Antenna	Name	Description	
	Top Plate Adapter	Adapter for the top of the tower to match the bolt pattern of the new antenna	

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Auxiliary	Existing Transmission Line			
Transmissio	n Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Auxiliary (Backup)	
		Description of Use	Backup	
		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	Manufacturer		
	Line Manufacturer and Type	Туре	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	1040 feet per run	

Auxiliary	New Transmission Line			
Transmissio	n Line Section	Question	Response	
	New Transmission Line Costs	Use	Auxiliary (Backup)	
		Description of Use	Backup	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	Broadband	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1040 feet per run	
		Justification for New Transmission Line	Current 19.5' sections are not compatible with Ch 27	

Other Transmission Line Expenses Not Listed Auxiliary Transmission home tion not provided.

Primary	Existing Transmission Line			
Transmissio	n Line Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing transmission line shared with another station or stations?	No	
		Is Transmission Line in operating condition?	Yes	
Existing Transmissio Line Manufacturer an Type	Existing Transmission	Manufacturer		
		Туре	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	1035 feet per run	

Primary Transmissio	New Transmission Line			
	on Section New Transmission Line Costs	Question	Response	
		Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	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	1035 feet per run	
		Justification for New Transmission Line	Current 19.5' sections are not compatible with Ch 27	

Other Transmission Line Expenses Not Listed Transmission

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

ciliary	Existing	Tower

Auxiliary	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower Description	Type of change	Modify Existing	
		Tower Use	Auxiliary (Backup)	
		Description of Use	Backup Tower	
		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	Yes	
		Is tower documented for structural analysis?	Yes	
		Is tower compliant with Rev G?	Yes	
	Existing Tower Structure	Do you have a tower registration number?	Yes	
	Registration	ASR Number	1027597	
	Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	41° 36' 19.2" N-	
1	1983))	Longitude (NAD83)	086° 12' 45.0" W-	
		Overall Structure Height	877.94 feet	
		Support Structure Height	839.88 feet	

Ground Elevation Above Mean Sea Level (AMSL)	845.13 feet
Structure Type	NTOWER - Multiple Structures
Tower Owner	Gray Television Group, Inc.
Date Constructed	06/15/2006

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
41675	WNDV-FM	FM
70459	WSND-FM	FM

Other Types of Users

Users

Amatuer Radio

Auxiliary Tower Modification Costs

-						1
T	0	v	V	e	r	

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:	Serious Reinforcements needed

Auxiliary Tower Rigging Costs

Tower

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

Auxiliary
Tower Other Tower Expenses Not Listed Name Description Corrosion analysis and ultrasound
measurements Corrosion analysis and ultrasound
measurements of lower 480 feet of auxiliary
tower Level 1 Foundation study Level 1 Foundation study

Primary	Existing Tower			
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	Yes	
		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	1027596	
	Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 36' 20.0" N-	
		Longitude (NAD83)	086° 12' 46.0" W-	
		Overall Structure Height	1007.86 feet	
		Support Structure Height	946.84 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	845.13 feet	
		Structure Type	NTOWER - Multiple Structures	
		Tower Owner	Gray Television Group, Inc.	

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
41675	WNDV-FM	FM

Other Types of Users

Users	
FBI	
ATF	

Primary Tower Modification Costs

Tower

Tower

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:	Serious Reinforcements needed

Primary Tower Rigging Costs

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

Primary	Other Tower Expenses Not Listed	
Tower	Name	Description

Level II Corrosion Risk Assessment	Level II Corrosion Risk Assessment	
Level I Corrosion Risk Assessment	Level I Corrosion Risk Assessment	

Outside Professional	Section	Question	Response
	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	900
		Explanation	Strategic Support
	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	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	Yes
		For Main Facility	Yes
		Prepare and file Form FCC License to Cover Application	Yes
		For Auxiliary Facility	Yes
		For Main Facility	Yes

	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	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	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Other Professional Services Expenses Not Listed

Professional Services Costs	Description
Attorney Fees and Other Matters	Legal Services

Other Expenses	Section	Question	Response
	AM Pattern Disturbance	Is an Impact Study needed?	Yes
		Is Remediation needed?	Yes
	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	No
		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	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 Not Listed

Expenses Information not provided.

Transmitters

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificat
Primary Transmitter HPTV-PARLX- U32	\$1,887,343.29	\$1,332,775.29		\$1,152,935.79	
Site Survey	\$15,287.30	\$15,287.30	See attached Comark invoices	\$15,287.30	N/A
Renovation	\$16,050.00	\$16,050.00	N/A	\$11,716.50	N/A
Transmitter Remote	\$2,990.65	\$2,990.65	N/A	\$0.00	N/A
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$62,381.00	\$62,381.00	N/A	\$32,126.75	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,233,432.00	Comark quote P#4034WNDU- PARLX- 170530	\$1,093,805.24	N/A
Ice shield	\$2,634.34	\$2,634.34	N/A	N/A	N/A

Auxiliary Transmitter HPTV-PARLX- U32	\$1,968,900.00	\$1,524,994.00		\$1,220,114.33	
Internal RF System	\$140,000.00	\$140,000.00	N/A	N/A	N/A
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$2,000.00	\$2,000.00	N/A	N/A	N/A
10 Ton system	\$38,900.00	\$10,950.00	See quote from Ideal Consolidated Inc. for 10 ton system	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,372,044.00	Comark quote P#4034WNDU- DCXP2- 170530 Comark quote P#4034WNDU- PARLX- 170530	\$1,220,114.33	N/A
Sub-total	\$3,856,243.29	\$2,857,769.29	N/A	\$2,373,050.12	N/A
Total for all systems	\$7,848,090.29	\$6,526,715.32	N/A	\$3,643,490.04	N/A

Description	File Name	
Site Survey		
	Component Description.	Pagia Sita Sun
	Component Description: Amount:	Basic Site Surv \$7,307.30
	Amount:	\$7,307.30
	Component Description:	Site Survey
	Amount:	\$7,980.00
	Amount.	ψ1,300.00
Renovation		
	Component Description:	Trane/Americar
		Standard Coolir
		Units
	Amount:	\$11,716.50
Transmitter Remote		
	Component Description:	Remote control
		New 1st Primar
		Transmitter
	Amount:	\$2,842.77
Other Electrical Service: The		
new transmitter will require	Component Description:	Run code
reconfiguration of the		compliant powe
electrical service on site. The electrical work cost has	Amount:	\$6,313.00
been estimated based on		
verbal guidance from local		
electrical contractors.	Component Description:	Add 1200A
	h	neutral per Quo
		#S21-1018
	Amount:	\$25,813.75

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	Component Description:	SYSTEM, WNDU
	Amount:	U32 D27 PH2 \$657,004.36
	Component Description:	System, WNDU U32 D27 PH2
	Amount:	\$436,800.88
Ice shield	Information not provided.	
Internal RF System	Information not provided.	
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	Information not provided.	
10 Ton system	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW		
	Component Description:	New Auxiliary Transmitter
	Amount:	\$476,989.97
	Component Description:	306 Commercial
		Chain Link
	Amount:	\$875.99
	Component Description:	System, WNDU U32 D42 PH1

Antennas

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TFU-31ETT /VP-R 04	\$313,550.00	\$313,688.00		\$147,977.98	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$12,768.00	JEHQ1248- 02	\$9,576.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,520.00	N/A
UHF - High Power Top Mount One Station antenna elliptically or circularly polarized	\$275,000.00	\$275,000.00	Catalog Cost	\$124,145.98	N/A
Top Plate Adapter	\$19,520.00	\$19,520.00	N/A	\$10,736.00	N/A
Auxiliary Antenna TUM-04-8 /32L-R-T-1	\$329,450.00	\$196,377.50		\$161,841.90	
Top Plate Adapter	\$19,520.00	\$19,520.00	N/A	\$19,520.00	N/A

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$12,768.00	N/A	\$10,214.40	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$157,689.50	Updated JEHQ1308 & Radome Addition JEHQ1508	\$125,707.50	N/A
Sub-total	\$643,000.00	\$510,065.50	N/A	\$309,819.88	N/A
Total for all systems	\$7,848,090.29	\$6,526,715.32	N/A	\$3,643,490.04	N/A

Actual Information	
Description	File Name

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if	Component Description:	WNDU-210-Elbow
needed)		complex New
	Amounti	Primary Antenna
	Amount:	\$2,553.60
	Component Description:	Elbow complex,
		New Primary
		Antenna
	Amount:	\$3,830.40
	Component Description:	Elbow Complex
		New Primary
		Antenna
	Amount:	\$3,192.00
Sweep test of existing		
antenna	Component Description:	Sweep Test New
		Primary Antenna
	Amount:	\$1,600.00
	Component Description:	Sweep test, New
	eenipenen zeeeniphen	Primary Antenna
	Amount:	\$1,920.00
JHF - High Power Top		
Mount One Station antenna	Component Description:	UHF-High Power
elliptically or circularly		Top Mount (200-
oolarized		1000KW)
	Amount:	\$67,715.99
	Component Description:	UHF- High Power
		Top Mount (200-
		1000KW)
	Amount:	\$56,429.99

Top Plate Adapter		
	Component Description:	Top plate adapter, New Primary
		Antenna
	Amount:	\$5,856.00
	Component Description:	Top Plate Adapter New Primary
	Amount:	Antenna \$4,880.00
Top Plate Adapter		
	Component Description:	WNDU-250-Top plate adapter New Auxiliary Antenna
	Amount:	\$3,904.00
	Component Description:	Auxiliary/Interim
		Antenna Top Plate
	Amount:	Adapter \$4,880.00
	Component Description:	Auxiliary/Interim
		Antenna Top Plate
	Amount:	Adapter \$4,880.00
		ψ τ ,000.00
	Component Description:	Auxiliary/Interim
		Antenna Top Plate Adapter
	Amount:	\$5,856.00

Elbow complex, broadband,		
at antenna input, per 6 1/8.	Component Description:	Auxiliary/Interim
feedline (if needed)		Antenna Elbow
		Complex
	Amount:	\$3,830.40
	Component Description:	Auxiliary/Interim
		Antenna - Elbow
		Complex
	Amount:	\$3,192.00
	Component Description:	Auxiliary/Interim
		Antenna - Elbow
		Complex
	Amount:	\$3,192.00
Sweep test of existing		
antenna		
	Component Description:	WNDU-250-Sweep
		test New Auxiliary
	A	Antenna
	Amount:	\$1,280.00
	Component Description:	Auxiliary/Interim
		Antenna Sweep
		Test
	Amount:	\$1,600.00
	Component Description:	Sweep Test
		Auxiliary/Interim
		Antenna
	Amount:	\$1,920.00
		¢.,0=0.00
	Component Description:	Auxiliary/Interim
		Antenna Sweep
		Test
	Amount:	\$1,600.00

Component Description:	UHF - BROADBAND PANEL, TOP
Amount:	MOUNT AUX /INTERIM \$29,319.89
Component Description:	New Auxiliary Antenna \$30,121.13
Component Description:	New Auxiliary Antenna
Amount:	\$30,121.13
Component Description:	UHF Broadband Panel Top mount Aux/Interim TV
	Antenna
	Amount: Component Description: Amount: Component Description: Amount:

Transmission Line

Cost Information

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	\$209,070.00	\$152,101.30		\$83,655.69	
Rigid Transmission Line - copper, 6 1/8"	\$209,070.00	\$152,101.30	N/A	\$83,655.69	N/A
Auxiliary Transmission Line	\$241,280.00	\$205,744.73		\$204,543.73	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$241,280.00	\$205,744.73	Increased per shipping on Justifying Invoice - WNDU DTVPros 179-3	\$204,543.73	N/A
Sub-total	\$450,350.00	\$357,846.03	N/A	\$288,199.42	N/A
Total for all systems	\$7,848,090.29	\$6,526,715.32	N/A	\$3,643,490.04	N/A

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 6 1/8"	Component Description: Amount:	New Primary Transmission Line \$45,630.38
	Component Description: Amount:	New Primary Transmission Line \$38,025.31
Rigid Transmission Line - copper, 6 1/8" broadband	Component Description: Amount:	WNDU-350-New Auxiliary Transmission Line \$52,780.23
	Component Description: Amount:	Interim Transmission Line \$56,911.32
	Component Description: Amount:	Auxiliary/Interim Transmission Line \$47,426.09
	Component Description: Amount:	Auxiliary/Interim Transmission Line \$47,426.09

Tower Equipment and Rigging Costs

Cost Information

Description Primary Tower	Predetermined Cost Estimate \$1,280,600.00	Estimated Cost \$1,244,087.50	Estimated Cost Justification	Actual Cost \$155,221.25	Actual Cost Justification
NTOWER Tall Tower (greater than 500')	\$210,500.00	\$230,000.00	See WNDU PO 19- FCCMain2 Quote Q17- 06-013	\$57,500.00	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$1,000,000.00	N/A	\$86,383.75	N/A
Level II Corrosion Risk Assessment	\$4,750.00	\$4,750.00	N/A	\$2,750.00	N/A
Level I Corrosion Risk Assessment	\$750.00	\$750.00	N/A	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$8,587.50	N/A	\$8,587.50	N/A
Auxiliary Tower NTOWER	\$1,281,650.00	\$1,241,950.00		\$376,188.99	

Tall Tower (greater than 500)\$210,500.00\$227,700.00see Estimated Cost Justification (WNDU-450- Tall Tower vol)\$227,700.00N/ASerious tower reinforcement (modifications\$1,052,000.00\$1,000,000.00N/A\$134,989.99N/ALevel 1 Foundation study\$750.00\$750.00N/A\$0.00N/AStructural engineering tower load study for well documented tower\$1,2600.00\$7,700.00Additional official stamped tower additional of radomes to aux antenna, meet tower loading.\$7,700.00N/ACorrosion analysis and ultrasound measurements\$2,800.00\$5,800.00\$2,860.00\$2,860.00Study for well documented tower\$5,800.00\$5,800.00\$2,800.00\$2,800.00\$2,800.00Study for well documented tower\$5,800.00\$2,800.00\$2,800.00\$2,800.00\$2,800.00Study for well documented tower\$5,800.00\$2,800.00\$2,800.00\$2,800.00\$2,800.00Study for well documented tower\$5,800.00\$2,800.00\$2,800.00\$2,800.00\$2,800.00Study for well documented tower\$5,800.00\$2,800.00\$2,800.00\$2,800.00\$2,800.00Study for well documented tower\$5,800.00\$2,800.00\$2,800.00\$2,800.00\$2,800.00Study for well documented\$2,800.00\$2,800.00\$2,800.00\$2,800.00\$2,800.00Study for well documented\$2,800.00\$2,800.00<						
reinforcement /modifications\$750.00\$750.00N/A\$0.00N/ALevel 1 Foundation study\$750.00\$7700.00Additional official stamped tower\$7,700.00Additional official stamped tower\$7,700.00N/AStructural engineering tower load study for well documented tower\$12,600.00\$7,700.00Additional official stamped tower analysis required because of the addition of radomes to aux antenna, radomes required to reduce wind loading and meet tower loading.\$7,800.00N/ACorrosion analysis and ultrasound measurements\$5,800.00\$5,800.00\$e attached invoice and purchase order Order Order TOTEN/A	(greater than	\$210,500.00	\$227,700.00	Estimated Cost Justification WNDU-450- Tall Tower - Auxiliary	\$227,700.00	N/A
Foundation studyS12,600.00\$7,700.00Additional official stamped tower analysis and because of the addition of radomes to aux antenna, radomes required because of the addition 	reinforcement	\$1,052,000.00	\$1,000,000.00	N/A	\$134,988.99	N/A
engineering tower load study for well documented tower tower cover study for well documented tower study for well documented tower because of the addition of radomes to aux antenna, radomes required to reduce wind loading and meet tower loading.	Foundation	\$750.00	\$750.00	N/A	\$0.00	N/A
analysis andattachedultrasoundinvoice andmeasurementspurchaseorder072617TD	engineering tower load study for well documented	\$12,600.00	\$7,700.00	official stamped tower analysis required because of the addition of radomes to aux antenna, radomes required to reduce wind loading and meet tower	\$7,700.00	N/A
Sub-total \$2,562,250.00 \$2,486,037.50 N/A \$531,410.24 N/A	analysis and ultrasound	\$5,800.00	\$5,800.00	attached invoice and purchase	\$5,800.00	N/A
Total for all \$7,848,090.29 \$6,526,715.32 N/A \$3,643,490.04 N/A systems	Sub-total	\$2,562,250.00	\$2,486,037.50	072617TD	\$531,410.24	N/A

Actual Information Description	File Name	
Tall Tower (greater than 500')	Component Description: Amount:	Mobilize crew to WNDU main tower (ASRN 1027596) and rig for top mounted antenna replacement \$57,500.00

Serious tower reinforcement /modifications	Component Description: Amount:	Perform sub- surface soil evaluation on towers - Mobilization \$5,696.50
	Component Description:	Tower reinforcement. /Modifications- Primary Tower
	Amount:	\$18,761.31
	Component Description:	75% costs of Tower Reinforcement /Modification on 945ft Tower (Primary)
	Amount:	\$56,283.94
	Component Description:	Tower reinforcement & design drawings Existing Primary Tower
	Amount:	\$2,750.00
	Component Description:	Perform sub- surface soil evaluation on towers - Laboratory Services
	Amount:	\$2,892.00

Level II Corrosion Risk Assessment	Component Description:	Corrosion inspection and Ultrasound measurements
	Amount:	\$2,750.00
Level I Corrosion Risk Assessment	Information not provided.	
Structural engineering		
tower load study for well documented tower	Component Description:	Structural Engineering Tower Load study
	Amount:	\$1,000.00
	Component Description:	Structural Engineering Tower Load study -
	Amount:	Primary Tower \$5,450.00
	Component Description:	Take measurements for tower modifications and record
	Amount:	elevations \$2,137.50

Tall Tower (greater than 500')	Component Description: Amount:	Project Extra Costs \$47,200.00
	Component Description:	AUX TWR Rigging, Antenna & Complete feedline
	Amount:	removal \$47,500.00
	Component Description:	Aux TWR Rigging, Antenna & Complete Feedline
	Amount:	Removal \$133,000.00

Serious tower reinforcement /modifications		
	Component Description:	Tower Resocket on 840' Level 6 B&C
		Anchor Points
	Amount:	\$19,407.74
	Component Description:	Tower
		reinforcement &
		design drawings
		Existing Auxiliary
		Tower
	Amount:	\$2,750.00
	Component Description:	Tower
		Reinforcement
		/Modification of
		Auxiliary Tower
	Amount:	\$26,590.50
	Component Description:	Tower Resocket on
		Level 6 B&C
		anchor points
		Auxiliary Tower
	Amount:	\$6,469.25
	Component Description:	75% costs Tower
		Reinforcement
		/Modification on
		840ft Tower
		(Auxiliary)
	Amount:	\$79,771.50
Level 1 Foundation study	Information not provided.	

Structural engineering tower load study for well documented tower	Component Description: Amount:	Structural Analysis of Auxiliary Tower \$5,450.00
	Component Description: Amount:	Structural Analysis \$2,250.00
Corrosion analysis and ultrasound measurements		
	Component Description:	Corrosion
		inspection and
		Ultrasound
		measurements - Primary Tower
	Amount:	\$2,900.00
	Component Description:	Corrosion
		inspection and
		Ultrasound
		measurements of
		tower legs in
		preparation for
		design and
		application of
		reinforcing required
		for re-pack tower
	Amount	modifications.
	Amount:	\$2,900.00

Outside Professional Services

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$222,925.00	\$210,910.00		\$96,585.85	
Attorney Fees and Other Matters	\$1,660.00	\$1,660.00	N/A	\$749.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	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	\$2,000.00	N/A	\$325.00	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction	\$4,210.00	\$4,000.00	N/A	\$1,327.50	N/A
Permit or License Application					
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$196.50	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	\$700.00	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

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	\$800.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,625.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,875.00	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
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,660.00	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A

Project management of the transition	\$142,200.00	\$135,000.00	N/A	\$86,327.85	N/A
Sub-total	\$222,925.00	\$210,910.00	N/A	\$96,585.85	N/A
Total for all systems	\$7,848,090.29	\$6,526,715.32	N/A	\$3,643,490.04	N/A

Actual Information Description	File Name	
Attorney Fees and Other Matters	Component Description: Amount:	Legal Services \$83.00
	Component Description: Amount:	Legal services \$666.00
RF Exposure Measurements	Information not provided.	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Component Description: Amount:	Provide response to FAA project status request \$325.00
ASR modification (prepare FCC Form 854)	Information not provided.	
NEPA Section 106 environmental review, if needed	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description: Amount:	Professional Services \$1,327.50

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Complete and file repack CP application
	Amount:	\$196.50
Prepare request for Special Temporary Authorization	Component Description:	Develop final
		technical parameters for interim broadband antenna on pre- auction Ch-42 for use during
	Amount:	transition. \$700.00
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.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit	Component Description:	Develop final technical parameters for auxiliary antenna
Application	Amount:	\$800.00
Prepare engineering section of FCC Form 2100 (main),	Component Description:	FCC CP application
Construction Permit		

Perform engineering study for new channel assignment and antenna development	Component Description:	Perform engineering study for new channel
	Amount:	assignment \$1,950.00
	Component Description:	Engineering Study for New Channel Assignment
	Amount:	\$800.00
	Component Description:	Review technical details of alternate antenna proposal from RFS regarding top- mount on repack Ch-27.
	Amount:	\$125.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Component Description:	WNDU-TV (FID 41674) South Bend, IN Repack
	Amount:	\$1,660.00
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.	
Project management of the transition	Component Description:	Project management
	Amount:	\$2,471.90

Component Description: Amount:	Project Management \$2,725.85
Component Description: Amount:	Project Management \$3,129.40
Component Description: Amount:	Project Management \$4,104.40
Component Description: Amount:	Project management \$2,817.65
Component Description: Amount:	Project Management \$3,593.55
Component Description: Amount:	Project Management \$3,325.45
Component Description: Amount:	Project Management \$3,620.95
Component Description: Amount:	Project Management \$5,859.45
Component Description: Amount:	Project Management \$4,463.80

Component Description: Amount:	Project Management \$755.80
Component Description: Amount:	Project Management \$3,645.85
Component Description: Amount:	Project Management \$2,403.10
Component Description: Amount:	Project Management \$2,411.25
Component Description: Amount:	Project Management \$3,495.95
Component Description: Amount:	Project Management \$2,471.50
Component Description: Amount:	Project Management \$2,668.05
Component Description: Amount:	Project managment \$1,553.55
Component Description: Amount:	Project Management \$3,558.10

Component Description: Amount:	Project Management \$3,752.30
Component Description:	Transition Related Project Management Costs
Amount:	\$4,050.00
Component Description: Amount:	Project Management \$2,876.70
Component Description: Amount:	Project Management \$4,083.75
Component Description: Amount:	Project Management \$802.25
Component Description: Amount:	Project Management \$2,461.65
Component Description: Amount:	Project Management \$28.20
Component Description: Amount:	Project Management \$2,547.60
Component Description: Amount:	Project Management \$2,813.80

Component Description: Project Management	Component Description: Amount:	Project Management \$2,022.10
Amount: \$1,813.95		Management

Other Expenses

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Other Expenses	\$113,322.00	\$104,087.00		\$44,424.53	
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	see Estimated Cost Justification WNDU-610- MVPD Notifications v0	\$2,000.00	N/A
Develop and air announcement of upcoming channel change	\$11,500.00	\$11,500.00	N/A	\$222.00	N/A
Equipment Storage	\$6,140.00	\$6,140.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$8,929.00	\$8,929.00	N/A	\$8,036.10	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$43,733.00	\$43,733.00	See attached Comark quote P#4034WNDU- PARLX- 170530 for disposal costs for existing main and auxiliary transmitters See attached TecServ quote for removal & disposal of transmitter coolant	\$25,714.80	N/A

Total for all systems	\$7,848,090.29	\$6,526,715.32	N/A	\$3,643,490.04	N/A
Sub-total	\$113,322.00	\$104,087.00	N/A	\$44,424.53	N/A
AM Pattern Disturbance Impact study	\$7,890.00	\$7,000.00	A study will be require for each tower, the auxiliary tower and the primary tower @ \$3,500 per study.	\$3,991.63	N/A
AM Pattern Disturbance Remedy	\$21,050.00	\$20,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,260.00	N/A	\$4,260.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$200.00	see Estimated Cost Justification WNDU-610- STA FCC Filing Fees v0	\$200.00	N/A

Actual Information Description	File Name	
MVPD Notification of Channel Change	Component Description: Amount:	Legal services \$2,000.00
Develop and air announcement of upcoming channel change	Component Description: Amount:	Legal services \$222.00

Equipment Storage	Information not provided.	
Equipment Delivery and Handling Charges		
nanaling onarges	Component Description:	WNDU Equipment
	A manual to	Delivery
	Amount:	\$4,910.95
	Component Description:	Equipment
		Delivery and
		Handling Charges
	Amount:	\$3,125.15
Disposal Costs (for		
equipment and other waste, net of any salvage value)	Component Description:	WNDU Disposal
ict of arry barvage value		Costs
	Amount:	\$15,714.60
	Component Description:	Disposal Costs
		(for equipment
		and other waste,
		net of any salvage
		value)
	Amount:	\$10,000.20
FCC Filing Fees - Special Femporary Authorization		
equest	Component Description:	Joan Stewart -
		Filing Fees - WNDU-TV FCC
		STA Filing Fee. 05
		/29/2019
	Amount:	\$200.00
FCC Filing Fees - Form	Information not provided.	
2100 license to cover application		
DTV Medical Facility		
Notification	Component Description:	Medical
		Notification
	Amount:	\$4,260.00

AM Pattern Disturbance Remedy	Information not provided.	
AM Pattern Disturbance		
Impact study	Component Description:	Check phase
		monitor and
		power, measure
		the daytime MP's
		measure the
		nighttime MP's,
		report
	Amount:	\$2,145.31
	Component Description:	As part of the
		construction
		Permit for WNDU
	Amount:	\$1,846.32

Cost	Grand Total			
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$7,848,090.29	\$6,526,715.32	\$3,643,490.04

Reimbursem	entestiatus	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.	
		 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. 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).
- 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.	Robert Folliard , III Assistant Secretary 09/19/2019

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).	
		 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).
- 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.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	Robert Folliard , III Assistant Secretary 09/19/2019

Attachments

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