

Federal Communications Commission

$({\sf REFERENCE}\ {\sf COPY}\ {\sf -}\ {\sf Not}\ {\sf for}\ {\sf submission})$

FCC Form 399: Reimbursement Request

Facility ID: File	66185 000002	Service: DTV 8867	Call Sign:	WOSU-TV	Channel: 16 (UHF)
Number:	06031983	Date	03/04		
	50051505	Submitted:	/2021		

Applicant Name, Type, and Contact Information

Applicant Information

Applicant	Address	Phone	Email	Applicant Type
THE OHIO STATE UNIVERSITY	WOSU Public Media 2400 OLENTANGY RIVER ROAD COLUMBUS, OH 43085 United States	+1 (614) 292-9678	carwile. 1@osu.edu	Government Entity

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	
	The Preparer is same as the reimbursement contact.				

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	Purchase new transmitter, antenna and transmission line. Lease interim side-moun ch 38 antenna, use existing line to maintair service while top-mount is removed and new antenna, transmitter and line installed. See attached Transition Plan.

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

Primary	Existing Transmitter Infor	rmation			
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	CD3200P2		
		Year	2003		
		Image: Market	Inductive Output Tube		
		IOT Power Type	Тwo		
		Power Capacity	42 kW		

Existing Transmitter Information

Primary	New Transmitter Costs		
Transmitter	Section	Question	Response
	New Transmitter	Use	Primary (Main)
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Manufacturer	
		Model	ULXTE-72
		Transmitter Type	Solid State
		Solid State Cooling	Liquid Cooled
		Solid State Power capacity	47.2 kW
		Justification for New Transmitter	Current Sigma CD not frequency agile. Gates advises with re-tuning components not available, major- frequency change should not be considered given age, age or cost, need for new mask filter and other RF equipment. Power comparable to existing transmitter.

Primary	Other Transmitter Costs			
Transmitter	Section	Question	Response	
	Electrical Service	Service Entrance (3 phases 800A 208V)	No	
		Switchgear (industrial 800 amp)	No	
		Transformer (480V)	Yes	
		Power	300 kVA	
		Rigid Conduit and Wiring	No	
		Size	N/A	
		Length	N/A	
		Other Electrical Service	Yes	
		Description	Reworking of existing electrical system to rewire main fused disconnect panel to protect new transmitter by on-site generator.	
	HVAC Service	Does the replacement transmitter require HVAC Service?	No	
		Туре	N/A	
		Size	N/A	
		QuestionResponseService Entrance (3 phases 800A 208V)NoSwitchgear (industrial 800 amp)NoTransformer (480V)YesPower300 kVARigid Conduit and WiringNoSizeN/ALengthN/AOther Electrical ServiceYesDescriptionReworkin of existing electrical system to rewire mathematical fused disconne panel to protect not transmitte by on-site generatoDoes the replacement transmitter require HVAC Service?N/ASizeN/ADoes the replacement transmitter require addition, modification, other leashold improvement?N/ASizeN/ADoes the Transmitter Building require an addition, modification, other leashold improvement?Yes		
	Transmitter Building Addition/Modification or Leasehold Improvement	addition, modification, other leashold	Yes	
		Size	120.0 square feet	
	Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A	
		Is a channel 14 Mask Filer needed?	N/A	

Number of Days N/A	

Other Transmitter Cost Not Listed Primary		
Transmitter	Name	Description
	Replacement of Damaged Lighting Fixtures	Replacement and installation of lighting fixtures damaged during transmitter work
	Liquid Cooling System Items	Not included in original transmitter estimate. Includes pump modules for PUs, outdoor heat exchanger and mask filters and coolant. Placed as additional cost because HVAC question was oriented to air-cooled systems.

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

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	Class	Full Power	
	Manufacturer and Type	Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	511.0 kW	

Manufacturer	
Model	TFU- 20GTH- RO4
Year	2003

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?	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	Slotted Coaxial	
		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	N/A	
		ERP: (Effective Radiated Power)	675.0 kW	
		Manufacturer		
			1	

Model	ATW25H3- ETO-16H
Year	2019
Justification for New Antenna	Existing ch 38 antenna cannot be re-tuned to ch 16. This is a upgrade given we are purchasing an elliptically- polarized versus a horizontally polarized antenna. Model changed due to FAA tower height restrictions.

Primary Other Antenna Costs

Antenna Section Question Response **Combiner for Shared** Do you need a Combiner for a Shared Antenna Antenna? Туре N/A Number of channels supported Frequencies of channels supported N/A Frequency N/A Do you need a combiner output splitter N/A /switcher for dual feed lines? **Elbow Complex** Do you require the separate purchase of Yes the Elbow Complex?

	Broadband or Single Channel?	Single Channe
	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?	
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

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Custom Top Plate	Interface for attachment of new antenna to non-standard tower. Existing antenna also required custom plate.

Interim	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Rent Temporary	
		Ownership	Leased	
		Owner	ERI	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		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	
		Туре	Slotted Coaxial	
		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	N/A	
		ERP: (Effective Radiated Power)	25.0 kW	
		Manufacturer		
		Model	ATW-275	
		Year	2017	
			,	

Justification for New Antenna	Rental of
	temporary
	ch 38
	antenna for
	up to three
	months to
	maintain
	service
	while
	existing top
	mount
	antenna
	and top
	plate are
	removed,
	new top
	plate and
	ch 16
	antenna
	installed.

Section	Question	Response
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 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?	No

Interim Other Antenna Cost Not Listed

Other Antenna Costs

Interim Antenna

Antenna Information not provided.

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

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 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	1190 feet per run	

Primary Transmissio	n Line Section	Question	Response
	New Transmission Line Costs	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	19 3/4 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1240 feet per run

Justification for New Transmission Line	Existing
	line will be
	used for
	interim
	antenna to
	maintain
	service on
	ch38.
	Existing
	line dates
	to 2003,
	has been
	repaired
	and
	segments
	replaced.
	After
	interim
	antenna
	removed,
	line will be
	capped for
	use with a
	future
	backup
	ch16 ant.
	(not in
	proposal)

Primary	Other Transmissio	on Line Expenses Not Liste	€d
Transmissio	nLine	Dosor	inti

n Line	Description
Transmission Line System Design	Initial system design, plus on-site tech visit for final deliverable
Ice Bridge	Replacement/additional 150' ice bridge to support and protect new transmission line. Existing bridge is overloaded, in questionable shape and not well-supported. See Site Survey attachment and ERI Transmission Bridge Quote
Line Dehydrator	Andrew Dryline low-pressure dehydrator for transmission line.
Sweep and Tune	System sweep, tune and test after installation.

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

Existing Tower

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?	No	
		One or more FM, AM or TV radio broadcaster(s)	N/A	
		Others Types of Users	N/A	
		Is tower documented for structural analysis?	No	
		Is tower compliant with Rev G?	No	
	Existing Tower Structure	Do you have a tower registration number?	Yes	
	Registration	ASR Number	1054358	
	Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 09' 33.0" N-	
		Longitude (NAD83)	082° 55' 23.0" W-	
		Overall Structure Height	1106.94 feet	
		Support Structure Height	1067.90 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	920.92 feet	

Structure T	уре	TOWER - Free Standing or Guyed Structure
Tower Owr	ner	OHIO STATE UNIVERSITY DBA = WOSU STATIONS
Date Cons	tructed	01/01/1973

Primary Tower Section Out

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 Rigging Costs

Tower	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	

Landing Area for Tower Work	Swampy winter conditions required construction of gravel & timber landing area for winch and staging antennas and reinforcement material for placement on tower
Tower Mapping	Confirmation mapping to provide current status in preparation of rigorous tower analysis.

Outside Professional	Section	Question	Response
	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	150
		Explanation	WOSU only maintains a three- person engineering staff to deal with three television transmitters and six radio stations, as well as all other technology issues in our aging building. We are very tight on staff time, especially for large 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

bare request for Special Temporary hority Intity You have Distributed Transmission tem engineering services? Cal Facility ain-Shielded Facility Dare and file Form FCC Construction mit Application Auxiliary Facility Dare and file Form FCC License to er Application Auxiliary Facility Dare and file Form FCC License to er Application Auxiliary Facility Dare request for Special Temporary hority	Yes Yes 1 N/A N/A Yes No Yes
you have Distributed Transmission tem engineering services? cal Facility ain-Shielded Facility bare and file Form FCC Construction mit Application Auxiliary Facility Main Facility bare and file Form FCC License to er Application Auxiliary Facility bare request for Special Temporary	N/A N/A N/A Yes No Yes Yes No Yes
tem engineering services? cal Facility ain-Shielded Facility pare and file Form FCC Construction mit Application Auxiliary Facility Main Facility Dare and file Form FCC License to er Application Auxiliary Facility Dare request for Special Temporary	N/A N/A Yes No Yes Yes No Yes
ain-Shielded Facility Dare and file Form FCC Construction mit Application Auxiliary Facility Main Facility Dare and file Form FCC License to er Application Auxiliary Facility Main Facility Dare request for Special Temporary	N/A Yes No Yes No Yes
bare and file Form FCC Construction mit Application Auxiliary Facility Main Facility Dare and file Form FCC License to er Application Auxiliary Facility Main Facility Dare request for Special Temporary	Yes No Yes Yes No Yes
mit Application Auxiliary Facility Main Facility Dare and file Form FCC License to er Application Auxiliary Facility Main Facility Dare request for Special Temporary	No Yes Yes No Yes
Main Facility Dare and file Form FCC License to er Application Auxiliary Facility Main Facility Dare request for Special Temporary	Yes Yes No Yes
bare and file Form FCC License to er Application Auxiliary Facility Main Facility bare request for Special Temporary	Yes No Yes
er Application Auxiliary Facility Main Facility pare request for Special Temporary	No Yes
Main Facility pare request for Special Temporary	Yes
pare request for Special Temporary	
	Yes
	1
ntity	1
PA Section 106 environmental review	No
ironmental Assessment	No
R Modification	Yes
	Yes
	No
	Yes
es w/ other stations and wireless	No
	No
	A Consultation (including preparation of A Form 7460) gotiation of Lease and other Matter for ared Locations pare or Review FCC Form 399 for mbursement dress transition timing and coordination les w/ other stations and wireless viders nprehensive coverage verification via d study

RF exposure measurements	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

Other Professional Services Expenses Not Listed Professional Services Costs Description Quarterly Progress Reports Prepare and file FCC-required Quarterly Progress Reports on Schedule 387 during station repack process. Transmitter Site Site Survey Comprehensive transmitter site survey and report by Gates Air specifying needs and providing recommendations (see as attachment)

Other	Section	Question	Response
Expenses	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?	No
	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	No
		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)?	No
		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?	Yes
		Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses Not Listed

Other Expenses

Name	Description
Equipment Off-Loading	Costs to rent forklift and obtain driver to off- load tower reinforcement materials at tower site, separate from delivery charges.
Medical Notification Mailing	Required notification of channel change to medical facilities in coverage area
Site Restoration	Cost to restore gravel roadway and grass areas at transmitter site due to damage caused by large vehicles delivering equipment and construction during winter months.
Top Tower Beacon Replacement Parts	Replacement parts for top mounted tower lighting beacon needed due to move to the repack antenna. Could not create in antenna section.

Transmitters

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 Transmitter ULXTE-72	\$2,527,471.63	\$2,273,812.80		\$1,344,868.80	
Other Electrical Service: Reworking of existing electrical system to rewire main fused disconnect panel to protect new transmitter by on-site generator.	\$1,107.20	\$1,107.20	N/A	\$1,107.20	N/A

\$1,107.02 ***System \$0.00 N/A Notice: Estimate adjusted and locked because line has been superseded. ***Panel, parts and installations by electrical contractor. Additional						
anticipated work was performed as part of the	Other Electrical Service: Reworking of existing electrical system to rewire main fused disconnect box to protect new transmitter by on-site generator. New distribution panel to feed power	\$1,107.02	\$1,107.02	Notice: Estimate adjusted and locked because line has been superseded. ***Panel, parts and installations by electrical contractor. Additional anticipated work was performed as	\$0.00	N/A
				transmitter installation and could not be separated out.		
installation and could not be separated	Liquid d Solid nitter) kW	\$1,473,000.00	\$1,245,359.43	N/A	\$1,245,359.43	N/A
installation and could not be separated out.	ansformer bhase 30v - 300 /A	\$36,800.00	\$10,781.74	480T0208- 150KVA- 480vv, three phase transformer Delta primary, parallel surge suppressor for Delta, various installation items	\$10,781.74	N/A

Other Building Addition Size: 120.0	\$25,674.30	\$25,674.30	Approximately 120' sqft space outside building to protect heat exchangers /pumps for new cooling system. Project includes design, pad and ice- protective building overhang. Had estimated \$100k, unable to obtain actual quote from university in 5 day window.	\$25,674.30	Total is greater because of unanticipated need to reinforce existing structure and for repair of existing roof due to transmitter installation activities.
Liquid Cooling System Items	\$31,036.33	\$31,036.33	Items include pump modules, outdoor heat exchangers, plumbing and coolant. Does not include Mask Filter cooling items. Placed as a separate cost because HVAC questions was oriented to air-cooled systems.	\$31,036.33	See invoice package for cooling costs items assigned to this line item Mask filter cooling assigned to transmitter line item with filter.

Replacement of Damaged	\$1,009.80	\$1,009.80	Replacement and	\$1,009.80	N/A
Lighting			installation of		
Fixtures			lighting		
			instruments		
			damaged as		
			a result of		
			overhead		
			work while		
			replacing		
			transmitter.		
UHF - Liquid	\$927,836.98	\$927,836.98	***System	\$0.00	Cost for
Cooled Solid			Notice:		some items
State			Estimate		increased.
Transmitter			adjusted and		Quote (and
31.7 kW			locked		invoice) doe:
			because line		not break ou
			has been		costs in the
			superseded.		same
			***Will include		categories as
			transmitter		in the initial
			control, PA		quote, so
			power blocks,		some items
			mask filter		and work
			system and		(such as in
			hardware,		original
			plus proof.		transformer
			Does not		line) appear
			include		here.
			exciters.		

Exciters	\$29,900.00	\$29,900.00	***System	\$29,900.00	N/A
			Notice:		
			Estimate		
			adjusted and		
			locked		
			because line		
			has been		
			superseded.		
			***WOSU		
			currently		
			maintains a		
			two-exciter		
			system with		
			automatic		
			switchover.		
			Current		
			exciters will		
			not work with		
			new		
			transmitter.		
			This request		
			is for a new		
			primary and		
			backup.		
Sub-total	\$2,527,471.63	\$2,273,812.80	N/A	\$1,344,868.80	N/A
Total for all systems	\$4,253,642.69	\$3,731,825.30	N/A	\$2,761,250.75	N/A

Components

Actual Information Description	File Name	
Other Electrical Service: Reworking of existing electrical system to rewire main fused disconnect panel to protect new transmitter by on-site generator.	Component Description:	Ohio Electric Invoice 15431 and supporting information is for initial work on the fused disconnect panel. It has been corrected to reflect the correct facility ID on the vendor invoice \$1,107.20

Other Electrical Service: Reworking of existing electrical system to rewire main fused disconnect box to protect new transmitter by on-site generator. New distribution panel to feed power cooling transformer.	Component Description: Amount:	Electrical service work to replace lighting fixtures damaged during transmitter installation N/A
	Component Description:	Initial electrical panel work for installation of new
	Amount:	WOSU transmitter. \$1,107.20
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description:	100% of the costs for the purchase of transmitter, mask filter and supporting items
	Amount:	\$1,245,359.43
Transformer 3 phase/480v - 300 KVA	Component Description:	100% of cost of transformer and
	Amount:	surge suppressor \$10,781.74

Other Building Addition		
Size: 120.0	Component Description:	Final Invoice for unexpected building reinforcement needed due to roof extension to protect new transmitter cooling equipment. Also contains quote and purchase order. \$1,500.00
	Component Description: Amount:	Final invoice related to roof repair (also measure for roof extension) needed due to transmitter installation activities. Also includes quote, purchase order and pictures. \$501.76
	Component Description:	Final invoice for cost of the 16' x 18' roof extension to protect new transmitter cooling equipment. Package includes original quote, purchase order and pictures. Ignore error in invoice number in header on cover page, correct in all other locations.
	Amount:	\$23,672.54

Liquid Cooling System Items		
	Component Description:	Final invoice containing 100% of the non-mask
		filter cooling
		system costs.
	Amount:	\$31,036.33
Replacement of Damaged Lighting Fixtures	Component Description:	Invoice for full cost
	component Description.	of replacement
		and installation of
		light fixtures
		damaged during
		transmitter
		overhead
		transmission system work
	Amount:	\$1,009.80
UHF - Liquid Cooled Solid State Transmitter 31.7 kW		
	Component Description:	Final invoice to be
		applied to transmitters and
		related items line
		on 399 form. Also
		contains quotes
		and purchase
		orders relating to
		this invoice with an
		explanation what is reimbursable.
	Amount:	\$927,836.98
Exciters		
	Component Description:	100% of costs for two exciters to
		replace previous
		two. Total reflects
		one item originally
		embedded in
		vendor transmitter
		line quote.
	Amount:	\$29,900.00

Antennas

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
Interim Antenna ATW-275	\$115,500.00	\$93,230.00		\$93,230.00	
Interim antenna rental and installation - Cost will depend on antenna size and height and /or complexity of tower.	\$115,500.00	\$93,230.00	Lease of 25kW ATW275 side- mount antenna to maintain channel 38 service during installation of new ch 16 antenna and feed line. Cost includes portion of overall antenna installation and removal costs, including overnight connection	\$93,230.00	
UHF - High Power, Side Mount, basic slot antenna, 25 kW input, directional,, horizontally polarized	\$0.00	\$0.00	This is a correct description, however costs reflected in lease numbers listed on this page.	\$0.00	N/A

Primary Antenna ATW25H3- ETO-16H	\$328,530.00	\$237,660.00		\$237,660.00	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,049.00	N/A	\$10,049.00	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$201,211.00	N/A	\$201,211.00	N/A
Custom Top Plate	\$20,000.00	\$20,000.00	Identified by vendor as Antenna Platform Assembly	\$20,000.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Sweep of the full RF system was included in Gates Air Site Survey (included in attachments). Has already been completed.	\$6,400.00	N/A
Sub-total	\$444,030.00	\$330,890.00	N/A	\$330,890.00	N/A
Total for all systems	\$4,253,642.69	\$3,731,825.30	N/A	\$2,761,250.75	N/A

Actual Information Description	File Name	
Interim antenna rental and installation - Cost will depend on antenna size and height and/or	Component Description:	40% of lease and installation of temporary antenna
complexity of tower.	Amount:	\$37,292.00
	Component Description:	50% of rental and installation costs for temporary antenna
	Amount:	\$46,615.00
	Component Description:	last 10% of lease and installation costs for temporary antenna
	Amount:	\$9,323.00
UHF - High Power, Side Mount, basic slot antenna, 25 kW input, directional,, horizontally polarized	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	second 50% cost of miter elbow and
	Amount:	elbow matcher \$5,024.50
	Component Description:	50% of cost of miter elbow and elbow matcher
	Amount:	\$5,024.50

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description: Amount:	Second 50% of final antenna cost \$100,605.50
	Component Description: Amount:	50% of final antenna cost \$100,605.50
Custom Top Plate	Component Description: Amount:	Final 50% payment for custom tower top plate (antenna platform assembly) \$10,000.00
	Component Description: Amount:	50% downpayment for custom top plate (antennal platform assembly) \$10,000.00
Sweep test of existing antenna	Component Description: Amount:	Existing line sweep included as part of site survey invoice without breakdown (site survey was 12,002.45) \$6,400.00

Transmission Line

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$371,353.00	\$369,507.44		\$369,507.44	
Transmission Line System Design	\$16,604.00	\$16,604.00	includes preliminary system layout and documents, plus tower climb site visit for definitive line layout	\$16,604.00	N/A
Line Dehydrator	\$9,431.00	\$9,431.00	Line protection alternative to nitrogen pressure system.	\$9,431.00	
Sweep and Tune	\$6,632.00	\$6,632.00	Sweep, tune and test, two days mobilization, use of test equipment.	\$6,632.00	N/A

Ice Bridge	\$88,206.00	\$88,206.00	Materials and installation costs for 150-foot ice /t bridge from transmitter building to tower. Current bridge will not support both new and existing lines. Cost higher than original quotes because of increased labor costs and work in	\$88,206.00	N/A
Rigid Transmission Line - copper, 6 1/8"	\$250,480.00	\$248,634.44	Includes copper 6-1 /8" transmission line items, transmitter to antenna, and mounting hardware	\$248,634.44	N/A
Sub-total	\$371,353.00	\$369,507.44	N/A	\$369,507.44	N/A
Total for all systems	\$4,253,642.69	\$3,731,825.30	N/A	\$2,761,250.75	N/A

Actual Information	
Description	File Name

Transmission Line System Design	Component Description:	Final 10% of preliminary layout and site visit
	Amount:	finalization design \$1,660.40
	Component Description:	50% of preliminary layout and site visit finalization design
	Amount:	\$8,302.00
	Component Description:	Second 40% of preliminary layout and site visit finalization design
	Amount:	\$6,641.60
Line Dehydrator		
	Component Description:	50% of cost of line dehydrator (air dryer)
	Amount:	\$4,715.50
	Component Description:	Final 50% of cost of line dehydrator
	Amount:	(air dryer) \$4,715.50

Sweep and Tune		
	Component Description:	Final 10% of cost of sweep and tune of new transmission line
	Amount:	\$663.20
	Component Description:	50% of cost of sweep and tune of new transmission line
	Amount:	\$3,316.00
	Component Description:	40% of cost of sweep and tune of new transmission line
	Amount:	\$2,652.80

Component Description:	Final 10% of installation cost for new transmission line bridge from building to tower
Amount:	\$4,604.00
Component Description:	50% of cost of materials and installation for new transmission line bridge from building to tower
Amount:	\$44,103.00
Component Description:	Remaining 50% of materials plus40% of installation cost for new
	transmission line bridge bridge from building to tower

Ice Bridge

Amount: \$5,249.50 Component Description: Transmission line items appearing on transmitter vendor invoice Amount: \$36,136.77 Component Description: 50% of cost of transmission line segments and associated hardware Amount: \$102,167.50 Component Description: 100% of cost of additional transmission line sections Amount: \$2,913.17 Component Description: Second 50% of cost of additional transmission line sections Amount: \$2,913.17 Component Description: Second 50% of cost of additional transmission line sections Amount: \$2,913.17 Component Description: Second 50% of cost of transmission line sections Amount: \$102,167.50	Rigid Transmission Line - copper, 6 1/8"	Component Description:	100% of cost of additional transmission line
Items appearing on transmitter vendor invoice \$36,136.77Amount:\$36,136.77Component Description:50% of cost of transmission line segments and associated hardwareAmount:\$102,167.50Component Description:100% of cost of additional transmission line 		Amount:	segments
Amount:\$36,136.77Component Description:50% of cost of transmission line segments and associated hardwareAmount:\$102,167.50Component Description:100% of cost of additional transmission line sections \$2,913.17Component Description:\$2,913.17Component Description:Second 50% of cost of adsociated hardwareComponent Description:Second 50% of cost of associated hardware		Component Description:	items appearing on transmitter
Image: constraint of the segments and associated hardwareAmount:\$102,167.50Component Description:100% of cost of additional transmission line sectionsAmount:\$2,913.17Component Description:Second 50% of cost of transmission line sections\$2,913.17Second 50% of cost of adsociated hardwareAmount:Second 50% of cost of transmission line sectionsSecond 50% of cost of transmission line sectionsAmount:Amount:Second 50% of cost of transmission line sectionsSecond 50% of cost of transmission line sectionsAmount:Second 50% of cost of transmission line sectionsSecond 50% of cost of transmission line sections <t< th=""><th></th><th>Amount:</th><th></th></t<>		Amount:	
Component Description: 100% of cost of additional transmission line sections Amount: \$2,913.17 Component Description: Second 50% of cost of transmission line segments and associated hardware		Component Description:	transmission line segments and associated
Amount: Second 50% of cost of transmission line sections \$2,913.17 Second 50% of cost of transmission line segments and associated hardware		Amount:	\$102,167.50
Component Description: Second 50% of cost of transmission line segments and associated hardware		Component Description:	additional transmission line
cost of transmission line segments and associated hardware		Amount:	\$2,913.17
Amount: \$102,167.50		Component Description:	cost of transmission line segments and associated
		Amount:	

Tower Equipment and Rigging Costs

Cost Information

Description Primary	Predetermined Cost Estimate \$776,300.00	Estimated Cost \$636,277.00	Estimated Cost Justification	Actual Cost \$636,277.00	Actual Cost Justification
Tower TOWER	. ,				
Landing Area for Tower Work	\$128,450.00	\$128,450.00	Unanticipated cost to create gravel and wood landing area for antenna staging and winch placement in swampy area	\$128,450.00	N/A
Tower Mapping	\$3,750.00	\$3,750.00	Tower mapping to confirm status in preparation for structural study. Was completed by George Fitz Antenna Service.	\$3,750.00	For purpose reimbursement total only included on invoice component, r with quote o purchase orc

Tall Tower (greater than 500')	\$210,500.00	\$210,500.00	Mobilization, rigging, removal of current antenna, installation of new antenna and transmission line. Does not include costs for installation and removal of interim antenna.	\$210,500.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$275,577.00	Tower structural analysis indicates that reinforcement will be required in at least 12 bays, plus tower base must be reinforced with additional concrete to	\$275,577.00	N/A
			meet G standards. Does not create additional capacity beyond line and antenna		

Structural engineering tower load study for well documented tower	\$12,600.00	\$18,000.00	The higher cost was the result of an evaluation run early in the process, a 2nd evaluation after an antenna was selected, and a 3rd after the FAA denied use of the first choice antenna. Each changed tower reinforcement needs.	\$18,000.00	Exceeds Predetermine Estimate because tota includes initii evaluation fc 399 submission reinforcemer plan that anticipated p repack work I tower client revised plans materials afte client failed t complete wo and with substitute antenna
Sub-total	\$776,300.00	\$636,277.00	N/A	\$636,277.00	N/A
Total for all systems	\$4,253,642.69	\$3,731,825.30	N/A	\$2,761,250.75	N/A

File Name	
Component Description:	Invoice is 100% of cost to rework work landing area for placement of winch and staging of antennas and reinforcement materials \$128,450.00

Tower Mapping		
	Component Description:	Full cost of initial tower mapping
	Amount:	\$3,750.00
	Component Description:	Original quote from Antenna Service Company for tower mapping-PO and invoice on file. Total for reimbursement on invoice. N/A
	Component Description:	Purchase order for tower mapping. Invoice already on file. Only entering dollar total with invoice so total not duplicated. N/A
Tall Tower (greater than 500')	Component Description:	40% of tower
	Amount:	mobilization \$84,200.00
	Component Description: Amount:	50% of mobilization costs \$105,250.00
	Component Description:	Final 10% of tower mobilization
	Amount:	\$21,050.00
Major tower reinforcement /modifications		

Invoice represents 40% of installation costs for second set of tower reinforcement materials \$12,051.60
50% downpayment for initial tower reinforcement package, less \$10,000 for custom top tower plate \$59,616.50
Invoice for final 10% of installation costs for second set of tower modifications \$3,012.90
50% downpayment for second tower reinforcement materials package \$20,456.00
Payment through proposal requirement for 50% of cost of installation of second set of tower reinforcement materials \$15,064.50

	Component Description: Amount:	Final 50% payment for second tower reinforcement materials package \$20,456.00
	Component Description:	Second 50% payment toward initial tower reinforcement materials package, less \$10,000 toward custom top plate \$59,616.50
	Component Description:	Payment through proposal requirements is for 50% deposit on cost of installation of initial package of reinforcement materials \$42,651.50
	Component Description: Amount:	Represents 40% of costs of installation of first tower modification package \$34,121.20
	Component Description: Amount:	Invoice for final 10% of installation cost for initial set of tower modification materials \$8,530.30
) vell		

Structural engineering tower load study for well documented tower

Component Description:	Final tower re- evaluation
	conducted to revise
	reinforcement and materials plan after
	client failed to
	complete
	anticipated portion
	of reinforcements and with
	substituted
	antenna (FAA
	height restriction)
Amount:	\$5,000.00
Component Description:	Tower evaluation
	for reinforcement
	plan and materials specification
	following antenna
	selection.
Amount:	\$8,500.00
Component Description:	Initial
	downpayment for WOSU-TV tower
	analysis
Amount:	\$2,250.00
Component Description:	Second half of
	payment for
A	Structural Analysis
Amount:	\$2,250.00

Component Description	on: Package included
	initial proposal,
	purchase order and
	revised invoice
	(and explanation of
	name
	discrepancy). No
	dollar amount
	included here to
	prevent duplication
	in total.
Amount:	N/A

Outside Professional Services

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$72,993.00	\$59,843.00		\$27,462.45	
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,105.00	N/A	\$2,105.00	
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$0.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$0.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$0.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$2,050.00	N/A	\$2,050.00	N/A

Prepare engineering section of FCC Form 2100 (main),	\$1,580.00	\$1,580.00	N/A	\$1,580.00	N/A
License to					
Cover Application					
Application					
Perform	\$7,360.00	\$7,000.00	N/A	\$4,620.00	N/A
engineering					
study for new					
channel assignment					
and antenna					
development					
Prepare	\$3,155.00	\$3,000.00	N/A	\$3,000.00	N/A
engineering					
section of FCC					
Form 2100					
(main), Construction					
Permit					
Application					
FAA	\$2,105.00	\$2,105.00	N/A	\$2,105.00	N/A
consultant,					
including cost					
of preparing					
FAA Form					
7460 (Notice of Proposed					
Construction),					
if needed for					
height increase					

management of the transition Sub-total	\$72,993.00	\$59,843.00	hour N/A	\$27,462.45	N/A
management					
Project	\$23,700.00	\$22,500.00	Estimating 150 hours at \$150 per	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Quarterly Progress Reports	\$5,000.00	\$5,000.00	Prepare and file FCC- required Quarterly Progress Reports on Schedule 387 during station repack process.	N/A	N/A
Site Site Survey	\$12,003.00	\$12,003.00	Survey was conducted by Gates Air to inform planning. Total survey cost was \$18,403, however \$6400 RF sweep was broken out for inclusion in antenna section.	\$12,002.45	N/A

Actual Information Description	File Name	
ASR modification (prepare FCC Form 854)	Component Description:	100% of engineering cost and filing of ASR
	Amount:	revisions \$2,105.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Component Description:	Invoice includes 100% of engineering cost for preparation of STA for antenna switch
	Amount:	\$2,050.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description:	Invoice includes 100% of engineering cost involved with
	Amount:	License to Cover \$1,580.00

Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Invoice includes additional engineering costs related to evaluation and work involving substitute antenna \$2,535.00
	Component Description:	Initial engineering study for new channel assignment: (3) Principal Engineering Hrs @ \$285/hr (4.25) Sr. Engineering Hrs @ \$240/hr (1) Engineering Hours @ \$210/hr \$2,085.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Preparation of initial engineering section of FCC Form 2100: (3) Principal Engineering Hours @ \$285/hr (3) Sr. Engineering Hours @ \$240/hr \$1,575.00
	Component Description:	100% of additional engineering costs for filing modification of CP related to selection of substitute antenna due to FAA height restrictions \$1,425.00
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Component Description: Amount:	100% of cost for preparation and filing of forms with FAA for elevation evaluation \$2,105.00
Transmitter Site Site Survey	Component Description: Amount:	Additional \$6400 in invoice, PO and estimate totals is for existing line sweep \$12,002.45
Quarterly Progress Reports Prepare and or review reimbursement form	Information not provided.	

Project management of the	Information not provided.
transition	

Other Expenses

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatio
Other Expenses	\$61,495.06	\$61,495.06		\$52,245.06	
Site Restoration	\$26,972.00	\$26,972.00	This was not an anticipate cost when planning the repack work at the WOSU- TV tower site. The repack phase assignment required the work to occur during wet winter months. Both the ground and roadway at the site were severely damaged, requiring restoration.	\$26,972.00	N/A
Medical Notification Mailing	\$3,750.00	\$3,750.00	Per RF Notifications	\$3,750.00	N/A

Equipment Off- Loading	\$1,045.75	\$1,045.75	While other vendors provided for the off- loading from delivery trucks, FDS Infrastructure Services required WOSU to lease a large forklift and provide a driver to remove tower reinforcement materials from the enclosed semi-trailer.	\$1,045.75	N/A
MVPD Notification of Channel Change	\$2,500.00	\$2,500.00	N/A	\$1,250.00	N/A
Develop and air announcement of upcoming channel change	\$8,000.00	\$8,000.00	Including production and broadcast	N/A	N/A
Equipment Delivery and Handling Charges	\$17,754.31	\$17,754.31	Shipping, handling and placement of major equipment and items, not including off-loading costs for tower reinforcement materials incurred by WOSU-TV	\$17,754.31	N/A

Top Tower Beacon Replacement Parts	\$1,473.00	\$1,473.00	Unanticipated cost of replacement parts required for top tower beacon being re-installed on new repack antenna.	\$1,473.00	N/A
Sub-total	\$61,495.06	\$61,495.06	N/A	\$52,245.06	N/A
Total for all systems	\$4,253,642.69	\$3,731,825.30	N/A	\$2,761,250.75	N/A

Actual Information	
Description	File Name

Component Description:	(Revised) Grass Groomers Invoid 50657, including quote and purchase order, restoration of grassy areas damaged during repack activities This package ha been corrected t show the correct amount of the invoice on the cover page. \$12,162.00
Component Description:	(Revised) Grass Groomers Invoic 50657, including quote and purchase order, restoration of grassy areas damaged during repack activities. \$12,162.00
Component Description:	Grass Groomers Invoice 49523, including quote and purchase order, for restoration of transmitter site road damage caused by repac activities. \$14,810.00

Site Restoration

Medical Notification Mailing	Component Descriptions	Invoice 1384
	Component Description:	Package, including
		quote and
		purchase
		authorization, for
		Medical
		Notification
		Mailings.
	Amount:	\$3,750.00
Equipment Off-Loading		
	Component Description:	100% of the labor
		cost for a
		university driver to
		operate a large
		forklift to unload
		tower reinforcement
		materials
	Amount:	\$152.25
		\$10 <u>2</u> .20
	Component Description:	100% of cost of
		leasing large
		forklift to unload
		reinforcement
		materials from
		semi-trailer truck.
	Amount:	\$893.50
MVPD Notification of Channel Change		
Chamiler Change	Component Description:	RF Notifications
		Invoice 1385,
		including quote
		and purchase
		authorization, for MVPD Notification
		Mailings.
	Amount:	\$1,250.00
Develop and air	Information not provided.	
announcement of upcoming channel change		

Equipment Delivery and		
Handling Charges	Component Description:	Actual delivery cost for Transmitter and GatesAir Components per
	Amount:	invoice \$10,480.31
	Component Description:	50% of delivery costs for antenna and other items included in initial ERI bid project proposal
	Amount:	\$3,637.00
	Component Description:	Final 50% of delivery costs for antenna and other items included in initial ERI bid project proposal
	Amount:	\$3,637.00
Top Tower Beacon		
Replacement Parts	Component Description:	Strobe Tech Final Invoice 15783, including quote and purchase order, for replacement beacon parts.
	Amount:	\$1,473.00

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$4,253,642.69	\$3,731,825.30	\$2,761,250.75	

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	Yes
	Construction of final facilities or all necessary modifications are complete.	Yes
	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. 	
		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).
- 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.	Michael Papadakis Senior Vice President and CFO Business and Finance

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).
- 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.	
an aut nameo	re, under penalty of perjury, that I am horized representative of the above- I applicant for the Authorization(s) ed above.	Michael Papadakis Senior Vice President and CFO Business and Finance
		03/04/2021

Certification	Section	Question	Response
Germication	Submission of Final Allocation or Accounting Information 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 and represents 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. The above-named entity acknowledges the submission of the information herein 	
		creates no obligation on the part of the government to pay any amount.	

	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	Michael Papadakis Senior Vice President
6.	refunded to the Commission. 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.	
5.	The above-named entity acknowledges that overpayments or payments in error must be promptly	
4.	entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above- named entity, including any discounts, refunds, or rebates. 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.	

Attachments