

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: File Number:	34167 000002	1	Call Sign:	WBKI	Channel: 16 (UHF)
FRN: 000	3189248	Date	04/29		
		Submitted:	/2019		

Applicant Name, Type, and Contact Information

Applicant Information

Applicant	Address	Phone	Email	Applicant Type
INDEPENDENCE TELEVISION COMPANY Doing Business As: INDEPENDENCE TELEVISION COMPANY	Keith Wilkowski 624 MUHAMMAD ALI BOULEVARD LOUISVILLE, KY 40203 United States	+1 (419) 277- 6006	kwilkowski@blockcommunications. com	Corporation

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
T						

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.	Yes
	Briefly describe transition plan	The FCC allocated us two frequencies that aren't adjacent to each other (16 & 32). This combination will require 4 antennas and 4 feedlines . The existing tower will not support that much weight. We request to construct a new tower with a "T" top design.

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

Auxiliary	Existing Transmitter Information					
Transmitter	Section	Question	Response			
	Existing Transmitter	Type of change	Purchase New			
	Description	Use	Auxiliary (Backup)			
		Description of Use	Aux/Standby transmitter			
		Ownership	Owned			
		Owner	N/A			
		Site	N/A			
		Is this transmitter currently shared with another station?	No			
		Is this transmitter currently in operating condition?	No			
	Existing Transmitter	Manufacturer				
	Manufacturer and Type	Model	CZ1000			
		Year	2003			
		Туре	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power Capacity	1 kW			

Auxiliary	New Transmitter Costs						
Transmitter	Section	Question	Response				
	New Transmitter	Use	Auxiliary (Backup)				
		Change Type	Purchase New				
		Is this a request for upgraded equipment?	No				
		Manufacturer					
		Model	N/A				
		Transmitter Type	Solid State				
		Solid State Cooling	Air Cooled				
		Solid State Power capacity	0.01 kW				
		Justification for New Transmitter	N/A. Station is not seeking reimbursement for AUX Transmitter or equipment.				

Other Transmitter Costs

Auxiliary	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	150 kVA			
		Rigid Conduit and Wiring	Yes			
		Size	2 inches			
		Length	100.0 feet			
		Other Electrical Service	No			
		Description	N/A			

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 Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary
TransmitterOther Transmitter Cost Not ListedInformation not provided.

Primary	Existing Transmitter Information					
Transmitter	Section	Question	Response			
	Existing Transmitter	Type of change	Purchase New			
	Description	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 Millineum			
		Year	2006			
		Туре	Inductive Output Tube			
		IOT Power Type	Two			
		Power Capacity	50 kW			

Primary	New Transmitter Costs						
Transmitter	Section	Question	Response				
	New Transmitter	Use	Primary (Main)				
		Change Type	Purchase New				
		Is this a request for upgraded equipment?	Yes				
		Manufacturer					
		Model	ULXTE-72				
		Transmitter Type	Solid State				
		Solid State Cooling	Liquid Cooled				
		Solid State Power capacity	43.15 kW				
		Justification for New Transmitter	WMYO was originally assigned 487KwERP. It was determined we would receive at least 1% interference and was given the opportunity to increase power. We were authorized to increase our power to 725kw. The additional costs are due to the increase in ERP.				

Primary Transmitter Costs Section

Question

Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Two transmitters, main and aux need to be wired simultaneous
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 Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter	Other Transmitter Cost Not Listed	
	Name	Description

Installation and p	roof Installation of transmitter and proof of performance
Demolition	To prepare for the installation of the new transmitters, we will be required to remove two beam transformers filled with mineral oil.
RF Accessories	Dielectric 4 port switch with controller and cable, 80 kW liquid cooled RF load
Mask Filter	ATSC Mask filter Kit

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

Auxiliary	Existing Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Auxiliary (Backup)	
		Description of Use	Aux/Standby	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing antenna shared with another station or stations?	Yes	
		Is the existing antenna directional?	No	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	No	
	Existing Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		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)	1000.0 kW	
		Manufacturer		
			1	

Model	TFU-32DSB- R04TC
Year	2005

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

Facility ID	Call Sign
28476	WDRB

Auxiliary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Auxiliary (Backup)	
		Description of Use	Aux/Standby	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Ownership	Owned	
		Owner	N/A	
		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 Types	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)	725.0 kW	
		Manufacturer		
		Model	ATW19H3- HSCX-16H	

Year	2018
Justification for New Antenna	Require new antenna due to new frequency allocation. This antenna is NOT Elliptically polarized. It is only Horizontally polarized.

Auxiliary Antenna

Other Antenna Costs

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 Yes 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?	Yes

Sweep	Test
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Auxiliant Other Antenna Cost Not Listed

AuxiliaryOther Antenna CostAntennaInformation not provided.

Primary	Existing Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna	Type of change	Purchase New	
	Description	Antenna Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing antenna shared with another station or stations?	Yes	
		Is the existing antenna directional?	No	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	No	
	Existing Antenna Manufacturer and Type	Class	Full Power	
		Mounting	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)	1000.0 kW	
		Manufacturer		

Model	TFU-32-GTH- R-06
 Year	2009

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

Facility ID	Call Sign
28476	WDRB

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)	725.0 kW
		Manufacturer	
		Model	ATW21H3- ETO-16H
		Year	2018

Justification for New Antenna	Require new
	antenna due
	to new
	frequency
	allocation.
	Costs listed
	reflect a
	\$15,500.00 u
	charge for
	ATSC 3.0
	compliant (
	Elliptical)
	antenna.

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	7 3/16 inche 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?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

PrimaryOther Antenna Cost Not ListedAntennaInformation not provided.

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

Auxiliary	Existing Transmission Line		
Transmission	Line	Question	Response
	Existing Transmission	Type of change	Purchase New
	Line Description	Use	Auxiliary (Backup)
		Description of Use	Feed sAux antenna
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is the existing transmission line shared with another station or stations?	Yes
Existing Transmission Line Manufacturer and Type		Is Transmission Line in operating condition?	Yes
	Line Manufacturer and	Manufacturer	
		Туре	Rigid
		Diameter	7 3/16 inches
		Other Diameter	N/A
		Segment Length	19 1/2 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	960 feet per run

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

Existing Transmission Line

Facility ID	Call Sign
28476	WDRB

Auxiliary	New Transmission Line		
Transmission	Line	Question	Response
	New Transmission Line Costs	Use	Auxiliary (Backup)
		Description of Use	Feeds new Aux antenna
		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	1040 feet per run
		Justification for New Transmission Line	Required due to new frequency allocations.

Auxiliary Other Transmission Line Expenses Not Listed

Transmission	Hinfe	Description
	Dehydrator	New dehydrator required for the six and an eighth inch line

Transmission	Section	Question	Response
	Existing Transmission	Type of change	Purchase New
	Line Description	Use	Primary (Main)
		Description of Use	N/A
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is the existing transmission line shared with another station or stations?	Yes
		Is Transmission Line in operating condition?	Yes
	Existing Transmission	Manufacturer	
Line Manufacturer and Type		Туре	Rigid
		Diameter	8 3/16 inches
		Other Diameter	N/A
		Segment Length	19 1/2 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1043 feet per run

Primary Existing Transmission Line

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

Facility ID	Call Sign
28476	WDRB

Primary Transmissior	New Transmission Line		
	Line	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	7 3/16 inches
		Other Diameter	N/A
		Segment Length	19 3/4 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1123 feet per run
		Justification for New Transmission Line	Required due to new frequency allocation.

Primary	Other Transmission Line Expenses Not Listed		
Transmissio	Name	Description	
	Dehydrator	New Dehydrator required for the seven and three sixteenth inch line	

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

Primary Tower	Tower Construction Costs			
	Section	Question	Response	
	Construct New Tower	Use	Primary (Main)	
		Description of Use	N/A	
		Is this a request for upgraded equipment?	Yes	
		Height	999.99 feet	
		Justification for New Tower	The FCC allocated us two frequencies that aren't adjacent to each other (16 & 32). This combination will require 4 antennas and 4 feedlines. The existing tower will not support that much weight. We request to construct a new tower with a "T" top design.	

Primary Tower Rigging Costs

Primary Tower

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Transmission line designs	Design drawings of transmission lines
Electric	Provide electricity to base of tower for lighting and ENG antennas
Asphalt repair	Funds needed to repair the existing asphalt surface of the tower area after construction,
Foundation	Concrete work for pier and anchors
Fence removal and installation	Costs for removing existing fence and installing new fence around new tower and guy anchors.
Purchase seven and three sixteenth inch hangers	Utilized to hang seven and three sixteenth inch feedline
Install tower and ice bridge	Charges for the installation of the tower and new ice bridge
Shipping Freight	Freight charges for tower components
Rental of heavy equipment	Rental of a Sky-jack to off load transmitters and other equipment
State taxes	State taxes at 7% for the new tower
Demolition	Removal of old tower and all apparatuses not utilized
Installation services	Installation of two WMYO antennas and two WMYO feedlines. Remove old equipment from existing tower and mount on new tower.
Purchase six and one eighth inch hangers	Utilized to hang six and one eighth inch feedline

Primary Tower	Tower Construction Costs			
	Section	Question	Response	
	Construct New Tower	Use	Primary (Main)	
		Description of Use	N/A	
		Is this a request for upgraded equipment?	Yes	
		Height	999.99 feet	
		Justification for New Tower	The FCC allocated us two frequencies that aren't adjacent to each other (16 & 32). This combination will require 4 antennas and 4 feedlines. The existing tower will not support that much weight. We request to construct a new tower with a "T" top design.	

Tower Rigging Costs

Primary 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	

Transmission line designs	Design drawings of transmission lines
Electric	Provide electricity to base of tower for lightin and ENG antennas
Asphalt repair	Funds needed to repair the existing asphalt surface of the tower area after construction,
Foundation	Concrete work for pier and anchors
Fence removal and installation	Costs for removing existing fence and installing new fence around new tower and guy anchors.
Purchase seven and three sixteenth inch hangers	Utilized to hang seven and three sixteenth inch feedline
Install tower and ice bridge	Charges for the installation of the tower and new ice bridge
Shipping Freight	Freight charges for tower components
Rental of heavy equipment	Rental of a Sky-jack to off load transmitters and other equipment
State taxes	State taxes at 7% for the new tower
Demolition	Removal of old tower and all apparatuses no utilized
Installation services	Installation of two WMYO antennas and two WMYO feedlines. Remove old equipment fro existing tower and mount on new tower.
Purchase six and one eighth inch hangers	Utilized to hang six and one eighth inch feedline

Outside	Section	Question	Response
Professional Services Costs	Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	595
		Explanation	WBKI-TV does not have sufficient resource capacity and expertise in house to handle all of the reimbursement filing, expense tracking, vendor coordination, progress reporting, budget creation, budget review, budget review, budget review, budget tracking, daisy- chain monitoring, etc.
	Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
		Prepare engineering section of Form FCC Construction Permit Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes

	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	No
	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	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes

Number of Days	14
Justification	Taking signal level measurements of predetermined radials which will be used to compare after transition.

Outside	Other Professional Services Expenses Not Listed		
Professional Services	Name	Description	
Costs	Existing-Tower inspection	Coast to Coast Tower Performed a tower inspection for us	
	RF Consultant D. Everist	RF Consultant that files Engineering Studies for WBKI/WDRB	
	Advanced site survey GA999TS	Site survey performed by transmitter manufacturer	
	Structural Engineering Analysis	Mark Malouf performed a total of two (to date) Structural Tower analysis for WBKI/WDRB	

Other Expenses	Section	Question	Response
	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Facility Expenses	Name	N/A
		Other Distributed Transmission System Expenses Not listed	N/A
		Name	N/A
		Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
	Permit and Filing Costs	Local Zoning	Yes
		Non-zoning permits	Yes
		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?	No
		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	Other Expenses Not Listed	
Expenses	Name	

Description

Project management fees internal	Cost of station personnel man hours working	
	on repack planning	

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 Co
Primary Transmitter ULXTE-72	\$1,785,252.69	\$1,591,345.14		\$937,591
Mask Filter	\$73,329.59	\$73,329.59	Larger mask filter, due to increase in power from 487kw to 725kw. This item is referenced in the recent uploaded attachment entitled: GatesAir Proposal GA_00024362_WMYO_ULXTE- 72	\$48,665
RF Accessories	\$73,232.60	\$73,232.60	Per GatesAir quote Q-78331	\$40,865
Demolition	\$4,500.00	\$4,500.00	N/A	N/A
Installation and proof	\$81,690.50	\$81,690.50	Installation costs have increased due to increase in power from 487kw to 725kw. This item is referenced in the recent uploaded attachment entitled: GatesAir Proposal GA_00024362_WMYO_ULXTE- 72	\$54,460
Other Electrical Service: Two transmitters, main and aux, need to be wired simultaneously.	\$37,500.00	\$37,500.00	N/A	\$0.00
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A

Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$12,998.82	N/A	\$8,665
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,303,193.63	A larger transmitter is required to accommodate the power increase from 487kwERP to 725kwERP. This item is referenced in the recent uploaded attachment entitled: GatesAir Proposal GA_00024362_WMYO_ULXTE- 72	\$784,93
Auxiliary Fransmitter N ⁄A	\$28,150.00	\$0.00		\$0.00
2" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$0.00	N/A. Station is not seeking reimbursement for AUX Transmitter or equipment.	N/A
UHF - Air Cooled Solid State Transmitter 0.01 kW	\$0.00	\$0.00	N/A. Station is not seeking reimbursement for AUX Transmitter or equipment.	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$0.00	N/A. Station is not seeking reimbursement for AUX Transmitter or equipment.	N/A
Sub-total	\$1,813,402.69	\$1,591,345.14	N/A	\$937,59 ²
Total for all systems	\$6,226,416.69	\$5,524,309.64	N/A	\$1,676,37

Components

Actual Information Description File Name

Mask Filter		
	Component Description:	1st Primary Transmitter - Mask Filter
	Amount:	\$24,222.72
	Component Description:	Primary Transmitter, Mask Filter
	Amount:	\$24,443.20
RF Accessories		
	Component Description:	1st Primary Transmitter - RF Accessories
	Amount:	\$24,410.87
	Component Description:	Primary Transmitter,
	Amount:	RF Accessories \$16,454.60
Demolition	Information not provided.	
Installation and proof		
	Component Description:	1st Primary Transmitter - Installation and
	Amount:	Proof \$27,230.16
	Component Description:	Primary Transmitter, Installation and Proof of Performance
	Amount:	\$27,230.17
Other Electrical Service: Two transmitters, main and aux, need to be wired simultaneously.	Information not provided.	
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Transformer 3 phase/480v - 300 KVA	Component Description:	1st Primary Transmitter - Electrical, Transformer - 3 phase/408v - 300 KVA \$4,332.94
	Component Description: Amount:	Primary Transmitter, Electrical \$4,332.94
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description:	Transmitter, Mask filter system, RF accessories, Electrical, Installation & proof
	Amount: Component Description: Amount:	\$392,162.38 Primary Transmitter \$392,771.28
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF - Air Cooled Solid State Transmitter 0.01 kW	Information not provided.	
Transformer 3 phase/480v - 150 KVA	Information not provided.	

Antennas

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna ATW21H3- ETO-16H	\$315,390.00	\$372,424.50		\$106,947.46	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 7 3 /16. feedline (if needed)	\$13,900.00	\$27,192.00	This is the price quoted by ERI for all the elbows in the line (12). Actual cost may change after we pay for the transmission line design.	\$5,410.21	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$1,387.50	N/A

UHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$333,832.50	ERI proposal 20170929- 827 Rev E \$171,750.00 plus antenna installation cost of \$162,082.50 (on same quote).	\$100,149.75	N/A
Auxiliary Antenna ATW19H3- HSCX-16H	\$390,565.00	\$193,565.00		\$55,328.82	
UHF - High Power, Side Mount, basic slot antenna, 725 kW input, directional,, horizontally polarized	\$116,125.00	\$116,125.00	N/A	\$0.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	\$4,800.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$14,850.00	N/A	\$4,455.00	N/A

Elbow complex, single channel, at antenna input, per 6 1 /8. feedline (if needed)	\$12,300.00	\$8,065.00	N/A	\$2,948.82	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$43,125.00	***System Notice: Estimate adjusted and locked because line has been superseded.	\$43,125.00	N/A
Sub-total	\$705,955.00	\$565,989.50	N/A	\$162,276.28	N/A
Total for all systems	\$6,226,416.69	\$5,524,309.64	N/A	\$1,676,372.40	N/A

Actual Information Description	File Name
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	Component Description: Amount:	Primary Antenna - Elbow Complex 7 3 /16" \$5,410.21
	Component Description: Amount:	Primary Antenna - Elbow Complex 7 3 /16" \$5,410.21
Sweep test of existing antenna	Component Description: Amount:	Primary Antenna - Sweep Test \$1,387.50
	Component Description: Amount:	Primary Antenna - Sweep Test \$1,387.50
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description: Amount:	Primary Antenna - UHF High Power Top Mount \$100,149.75
	Component Description: Amount:	Primary Antenna - UHF High Power Top Mount \$100,149.75
UHF - High Power, Side Mount, basic slot antenna, 725 kW input, directional,, horizontally polarized	Component Description: Amount:	Lower Power Side Mount, One Station \$43,125.00

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Component Description: Amount:	SCATTERING STUDY WBKI \$2,400.00
	Component Description: Amount:	Aux Antenna Scattering Study \$2,400.00
Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description: Amount:	Auxiliary Antenna - Side Mount Brackets \$4,455.00
	Component Description: Amount:	Auxiliary Antenna - Side Mount Brackets \$4,455.00
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	Auxiliary Antenna - Elbow Complex 6 1 /8" \$2,948.82
	Component Description: Amount:	Auxiliary Antenna - Elbow Complex 6 1/8" \$2,948.82
Sweep test of existing antenna	Information not provided.	
UHF - Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly polarized	Component Description:	Auxiliary Antenna - Lower Power Side Mount, One Station
	Amount:	\$43,125.00
	Component Description: Amount:	Please deny this invoice N/A

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	\$336,640.00	\$300,052.00		\$92,864.74	
Rigid Transmission Line - copper, 7 3/16"	\$325,670.00	\$289,082.00	N/A	\$90,067.39	N/A
Dehydrator	\$10,970.00	\$10,970.00	N/A	\$2,797.35	N/A
Auxiliary Transmission Line	\$221,050.00	\$150,398.00		\$45,005.46	
Rigid Transmission Line - copper, 6 1/8"	\$210,080.00	\$139,428.00	N/A	\$42,208.11	N/A
Dehydrator	\$10,970.00	\$10,970.00	N/A	\$2,797.35	N/A
Sub-total	\$557,690.00	\$450,450.00	N/A	\$137,870.20	N/A
Total for all systems	\$6,226,416.69	\$5,524,309.64	N/A	\$1,676,372.40	N/A

Components

Actual Information Description File Name

Rigid Transmission Line -		
copper, 7 3/16"	Component Description:	Primary
		Transmission Line -
		Rigid Transmission
		Line - Copper 7 3
		/16"
	Amount:	\$90,067.39
	Component Description:	Primary
	Component Description.	Transmission Line -
		Rigid Transmission
		Line - Copper 7 3/16"
	Amount:	\$90,067.39
Dehydrator		
	Component Description:	Primary
		Transmission Line -
		Dehydrator
	Amount:	\$2,797.35
	Component Description:	Primary
	Component Description.	Transmission Line -
		Dehydrator
	Amount:	\$2,797.35
Rigid Transmission Line -		
copper, 6 1/8"	Component Description:	Auxiliary
		Transmission Line -
		Rigid Transmission
		Line - Copper 6 1/8"
	Amount:	\$42,208.11
	Component Description:	Auxiliary
	Component Description.	Transmission Line -
		Rigid Transmission
		Line - Copper 6 1/8"

Dehydrator		
	Component Description:	Auxiliary
		Transmission Line - Dehydrator
	Amount:	\$2,797.35
	Component Description:	Auxiliary
	Amount:	Transmission Line - Dehydrator \$2,797.35

Tower Equipment and Rigging Costs

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$2,791,185.00	\$2,580,686.00		\$383,374.21	
Installation services	\$89,286.00	\$89,286.00	N/A	\$7,650.00	ERI Proposal 20170929- 827 Rev E
New tower	\$1,250,000.00	\$1,250,000.00	N/A	\$143,553.00	N/A
Install tower and ice bridge	\$625,000.00	\$625,000.00	N/A	\$205,875.15	N/A
Foundation	\$200,000.00	\$200,000.00	N/A	\$21,660.00	N/A
Shipping Freight	\$11,696.00	\$11,696.00	N/A	N/A	N/A
State taxes	\$134,843.00	\$134,843.00	N/A	N/A	N/A
Asphalt repair	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Rental of heavy equipment	\$2,500.00	\$2,500.00	N/A	\$1,861.06	N/A
Purchase six and one eighth inch hangers	\$28,838.00	\$28,838.00	N/A	N/A	N/A
Fence removal and installation	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Electric	\$2,500.00	\$2,500.00	N/A	N/A	N/A
Transmission line designs	\$9,250.00	\$9,250.00	N/A	\$2,775.00	N/A

Demolition	\$160,715.00	\$160,715.00	N/A	N/A	N/A
Purchase seven and three sixteenth inch hangers	\$56,057.00	\$56,057.00	N/A	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$1.00	Cost reflected in new tower expense	N/A	N/A
Sub-total	\$2,791,185.00	\$2,580,686.00	N/A	\$383,374.21	N/A
Total for all systems	\$6,226,416.69	\$5,524,309.64	N/A	\$1,676,372.40	N/A

Actual Information Description	File Name	
Installation services		
	Component Description:	Construct New
		Tower - Installation
		Services
	Amount:	\$7,650.00
	Component Description:	Construct New
		Tower - Installation
		Services
	Amount:	\$7,650.00
New tower		
	Component Description:	Antenna Equipment
		and Installation
		Services
	Amount:	\$143,553.00
	Component Description:	Construct New
		Tower - New Tower
	Amount:	\$143,553.00

Install tower and ice bridge		
	Component Description:	Construct New Tower - Install Tower
	Amount:	and Ice Bridge \$205,875.15
	Component Description:	Construct New Tower - Install Tower and Ice Bridge
	Amount:	\$205,875.15
Foundation		
	Component Description:	Construct New Tower - Foundation
	Amount:	\$21,660.00
	Component Description:	Construct New
	Amount:	Tower - Foundation \$21,660.00
Shipping Freight	Information not provided.	
State taxes	Information not provided.	
Asphalt repair	Information not provided.	
Rental of heavy equipment		
	Component Description:	Pallet truck, cab shooting boom forklift
	Amount:	\$1,861.06
Purchase six and one eighth inch hangers	Information not provided.	
Fence removal and installation	Information not provided.	
Electric	Information not provided.	

Transmission line designs		
	Component Description:	Reference WBKI- 480-Construct New Tower - Transmission Line Designs Electronics Research, Inc WBKI- 003
	Amount:	\$2,775.00
	Component Description:	Construct New Tower - Transmission Line Designs
	Amount:	\$2,775.00
Demolition	Information not provided.	
Purchase seven and three sixteenth inch hangers	Information not provided.	
Tall Tower (greater than 500')	Information not provided.	

Outside Professional Services

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatic
Outside Professional Services	\$315,104.00	\$300,324.00		\$54,890.45	
Structural Engineering Analysis	\$11,000.00	\$11,000.00	Per invoices received	\$11,000.00	N/A
Advanced site survey GA999TS	\$9,599.00	\$9,599.00	N/A	\$8,185.20	N/A
RF Consultant D. Everist	\$50,000.00	\$50,000.00	N/A	N/A	N/A
Existing-Tower inspection	\$5,000.00	\$5,000.00	N/A	\$0.00	N/A
Additional Field Engineering Service, 14 Days	\$11,650.00	\$11,650.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$12,500.00	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$1,650.00	Please see the attached invoice from TERRACON # TB18642-2	\$1,650.00	N/A

NEPA Section 106 environmental review, if needed	\$6,310.00	\$1,000.00	Please see the attached invoice from TERRACON # TB 18642- 2	\$1,000.00	N/
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$94,010.00	\$99,675.00	Per Widelity Quote	\$20,555.25	N/A
Sub-total	\$315,104.00	\$300,324.00	N/A	\$54,890.45	N/A
Total for all systems	\$6,226,416.69	\$5,524,309.64	N/A	\$1,676,372.40	N/A

Actual Information	
Description	File Name

Structural Engineering Analysis		
	Component Description: Amount:	Structural analysis \$3,500.00
	Component Description:	Engineering Evaluation /Feasibility Analysis for
	Amount:	944' guyed tower \$7,500.00
Advanced site survey GA999TS		
GA99913	Component Description: Amount:	Site survey \$8,185.20
RF Consultant D. Everist	Information not provided.	
Existing-Tower inspection		
	Component Description:	Completion of complete tower inspection services at WBKI TV, formally WMYO TV tower
	Amount:	\$5,000.00
Additional Field Engineering Service, 14 Days	Information not provided.	
Comprehensive coverage		
verification via field study, if needed	Component Description:	TV MEASUREMENTS AND REPORT PER QUOTATION DATED 9 /4/2018
	Amount:	\$5,000.00
	Component Description:	Down Payment for TV
		measurements and report per quotation
	Amount:	\$7,500.00
ASR modification (prepare FCC Form 854)	Information not provided.	

Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Component Description:	NEPA Screening, Detailed Habitat Assessment and GIS Analysis/Mapping of
	Amount:	tree removal activities \$1,650.00
NEPA Section 106 environmental review, if needed	Component Description: Amount:	WBKI-590- Environmental Assessment \$1,000.00
		¢1,000.00
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	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	

Project management of the transition	Component Description: Amount:	Project Management \$241.75
	Component Description: Amount:	Project Management \$2,080.20
	Component Description: Amount:	Project Management \$4,378.10
	Component Description: Amount:	Project Management \$2,389.55
	Component Description: Amount:	Project Management \$4,286.10
	Component Description: Amount:	Project Management \$1,713.50
	Component Description: Amount:	Project Management \$1,267.90
	Component Description: Amount:	Project Management \$1,481.50
	Component Description: Amount:	Project Management \$2,716.65

Other Expenses

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$43,080.00	\$35,515.00		\$370.00	
Project management fees internal	\$15,000.00	\$15,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$1,000.00	\$1,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$1,000.00	\$1,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$4,000.00	\$4,000.00	N/A	\$370.00	N/A
Non-zoning permits	\$3,000.00	\$3,000.00	N/A	N/A	N/A
Local Zoning	\$7,000.00	\$7,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$4,000.00	N/A	N/A	N/A
Sub-total	\$43,080.00	\$35,515.00	N/A	\$370.00	N/A
Total for all systems	\$6,226,416.69	\$5,524,309.64	N/A	\$1,676,372.40	N/A

Actual Information Description	File Name	
Project management fees internal	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	Switch Out - Trash \$370.00
Non-zoning permits	Information not provided.	
Local Zoning	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Information not provided.	

Grand Total

Cost Information

on		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$6,226,416.69	\$5,524,309.64	\$1,676,372.40

Reimburseme	entustatus	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.	Νο

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. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

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

I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Gary Schroder , Schroder . Chief Engineer
	04/29/2019

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. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. The above-named entity acknowledges that all certifications The above-named entity acknowledges that all certifications 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.
- The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.
- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Gary Schroder , Schroder . <i>Chief Engineer</i> 04/29/2019

Attachments