



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **34167** | Service: **DTV** | Call **WBKI** | Channel: **16 (UHF)** |
ID: | Sign:
File **0000028610**
Number:
FRN: **0003189248** | Date **11/05**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

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

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
The Preparer is same as the reimbursement contact.			

**Broadcaster
Information
and
Transition
Plan**

Question		Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.		Yes
Briefly describe transition plan		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
Transmitter****Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	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 and Type	Manufacturer	
	Model	CZ1000
	Year	2003
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1 kW

**Auxiliary
Transmitter****New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	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.

**Auxiliary
Transmitter****Other Transmitter Costs**

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

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	DCX Millineum
	Year	2006
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	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**

Other Transmitter Costs

Section	Question	Response
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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 simultaneously.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold 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
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Demolition	To prepare for the installation of the new transmitters, we will be required to remove two beam transformers filled with mineral oil.
Mask Filter	ATSC Mask filter Kit
RF Accessories	Dielectric 4 port switch with controller and cable, 80 kW liquid cooled RF load
Installation and proof	Installation of transmitter and proof of performance

Antennas

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

Auxiliary Antenna

Existing Antenna Information

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
	Type	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-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 Antenna

New Antenna Costs

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
	Type	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
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
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
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**Auxiliary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Primary
Antenna**

Existing Antenna Information

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

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	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
	Type	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 up charge for ATSC 3.0 compliant (Elliptical) antenna.
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Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	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 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Auxiliary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	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
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	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.

Facility ID	Call Sign
28476	WDRB

**Auxiliary
Transmission Line**

New Transmission Line

Section	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
	Type	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
Transmission Line**

Other Transmission Line Expenses Not Listed

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

**Primary
Transmission Line**

Existing Transmission 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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	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

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

Facility ID	Call Sign
28476	WDRB

Primary
Transmission Line

New Transmission 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
	Type	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
Transmission Line

Other Transmission Line Expenses Not Listed

Line Name	Description
Dehydrator	New Dehydrator required for the seven and three sixteenth inch line

**Tower
Equipment
And Rigging
Costs**

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

**Primary
Tower**

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Construct New
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster (s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1028421
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 21' 00.0" N-
	Longitude (NAD83)	085° 50' 57.0" W-
	Overall Structure Height	999.99 feet
	Support Structure Height	944.87 feet
	Ground Elevation Above Mean Sea Level (AMSL)	960.95 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Independence Television
Date Constructed	12/01/1972

**FM, AM or TV radio
broadcasters. Facility ID's, Call
Signs and Services of other
broadcast stations with whom
the tower is shared**

Facility ID	Call Sign	Service
28476	WDRB	DTV

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

Tower Rigging Costs

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

Primary
Tower

Other Tower Expenses Not Listed

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

**Outside
Professional
Services
Costs**

Section	Question	Response
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 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 Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	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 Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Advanced site survey GA999TS	Site survey performed by transmitter manufacturer
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
Structural Engineering Analysis	Mark Malouf performed a total of two (to date) Structural Tower analysis for WBKI/WDRB
Attorney Fees and Other Matters	Legal Services

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 Expenses

Other Expenses Not Listed

Name	Description
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Project management fees internal	Cost of station personnel man hours working on repack planning
Heavy Equipment Rental and Delivery	Scissor lift, pallet truck, and other heavy equipment required to move repack related equipment

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost
Primary Transmitter ULXTE-72	\$1,785,252.69	\$1,591,345.14		\$938,379.00
Installation and proof	<i>\$81,690.50</i>	\$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	\$54,460.00
Demolition	<i>\$4,500.00</i>	\$4,500.00	N/A	N/A
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	\$784,933.00
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$12,998.82	N/A	\$9,453.00
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A
Other Electrical Service: Two transmitters, main and aux, need to be wired simultaneously.	<i>\$37,500.00</i>	\$37,500.00	N/A	\$0.00

RF Accessories	\$73,232.60	\$73,232.60	Per GatesAir quote Q-78331	\$40,865
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
Auxiliary Transmitter N/A	\$28,150.00	\$0.00		\$0.00
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
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
Sub-total	\$1,813,402.69	\$1,591,345.14	N/A	\$938,379
Total for all systems	\$6,267,551.14	\$5,563,539.09	N/A	\$3,258,54

Components

Actual Information	Description	File Name
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Installation and proof	<div> <div> Component Description: Amount: </div> <div> Primary Transmitter, Installation and Proof of Performance \$27,230.17 </div> </div> <div> <div> Component Description: Amount: </div> <div> 1st Primary Transmitter - Installation and Proof \$27,230.16 </div> </div>
Demolition	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<div> <div> Component Description: Amount: </div> <div> Transmitter, Mask filter system, RF accessories, Electrical, Installation & proof \$392,162.38 </div> </div> <div> <div> Component Description: Amount: </div> <div> Primary Transmitter \$392,771.28 </div> </div>

Transformer 3 phase/480v - 300 KVA	<div> <div> Component Description: Amount: </div> <div> 5500LB 19' Shooting Boom Forklift \$787.96 </div> </div> <div> <div> Component Description: Amount: </div> <div> 1st Primary Transmitter - Electrical, Transformer - 3 phase/408v - 300 KVA \$4,332.94 </div> </div> <div> <div> Component Description: Amount: </div> <div> Primary Transmitter, Electrical \$4,332.94 </div> </div>
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Other Electrical Service: Two transmitters, main and aux, need to be wired simultaneously.	Information not provided.
RF Accessories	<div> <div> Component Description: Amount: </div> <div> Primary Transmitter, RF Accessories \$16,454.60 </div> </div> <div> <div> Component Description: Amount: </div> <div> 1st Primary Transmitter - RF Accessories \$24,410.87 </div> </div>

Mask Filter	Component Description:	Primary Transmitter, Mask Filter
	Amount:	\$24,443.20
	Component Description:	1st Primary Transmitter - Mask Filter
	Amount:	\$24,222.72
UHF - Air Cooled Solid State Transmitter 0.01 kW	Information not provided.	
Transformer 3 phase/480v - 150 KVA	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna ATW21H3-ETO-16H	\$315,390.00	\$372,424.50		\$331,284.04	
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).	\$316,994.87	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,468.75	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.	\$10,820.42	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	N/A	N/A
Auxiliary Antenna ATW19H3-HSCX-16H	\$390,565.00	\$193,565.00		\$154,131.39	
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	\$8,910.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$8,065.00	N/A	\$5,897.64	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$693.75	N/A

UHF - High Power, Side Mount, basic slot antenna, 725 kW input, directional,, horizontally polarized	\$116,125.00	\$116,125.00	N/A	\$90,705.00	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	\$485,415.43	N/A
Total for all systems	\$6,267,551.14	\$5,563,539.09	N/A	\$3,258,547.01	N/A

Components

Actual Information	
Description	File Name

<p>UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized</p>	<table> <tr> <td data-bbox="750 174 1177 224">Component Description:</td><td data-bbox="1177 174 1503 224">Primary Antenna - UHF High Power Top Mount</td></tr> <tr> <td data-bbox="750 295 1177 344">Amount:</td><td data-bbox="1177 295 1503 344">\$100,149.75</td></tr> <tr> <td data-bbox="750 439 1177 488">Component Description:</td><td data-bbox="1177 439 1503 488">WBKI-210-Primary Antenna - UHF High Power Top Mount</td></tr> <tr> <td data-bbox="750 560 1177 609">Amount:</td><td data-bbox="1177 560 1503 609">\$116,695.37</td></tr> <tr> <td data-bbox="750 703 1177 752">Component Description:</td><td data-bbox="1177 703 1503 752">Primary Antenna - UHF High Power Top Mount</td></tr> <tr> <td data-bbox="750 824 1177 873">Amount:</td><td data-bbox="1177 824 1503 873">\$100,149.75</td></tr> </table>	Component Description:	Primary Antenna - UHF High Power Top Mount	Amount:	\$100,149.75	Component Description:	WBKI-210-Primary Antenna - UHF High Power Top Mount	Amount:	\$116,695.37	Component Description:	Primary Antenna - UHF High Power Top Mount	Amount:	\$100,149.75
Component Description:	Primary Antenna - UHF High Power Top Mount												
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Component Description:	Primary Antenna - UHF High Power Top Mount												
Amount:	\$100,149.75												
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="750 976 1177 1025">Component Description:</td><td data-bbox="1177 976 1503 1025">Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="750 1097 1177 1146">Amount:</td><td data-bbox="1177 1097 1503 1146">\$1,387.50</td></tr> <tr> <td data-bbox="750 1240 1177 1290">Component Description:</td><td data-bbox="1177 1240 1503 1290">WBKI-210-Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="750 1361 1177 1411">Amount:</td><td data-bbox="1177 1361 1503 1411">\$693.75</td></tr> <tr> <td data-bbox="750 1505 1177 1554">Component Description:</td><td data-bbox="1177 1505 1503 1554">Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="750 1626 1177 1675">Amount:</td><td data-bbox="1177 1626 1503 1675">\$1,387.50</td></tr> </table>	Component Description:	Primary Antenna - Sweep Test	Amount:	\$1,387.50	Component Description:	WBKI-210-Primary Antenna - Sweep Test	Amount:	\$693.75	Component Description:	Primary Antenna - Sweep Test	Amount:	\$1,387.50
Component Description:	Primary Antenna - Sweep Test												
Amount:	\$1,387.50												
Component Description:	WBKI-210-Primary Antenna - Sweep Test												
Amount:	\$693.75												
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Amount:	\$1,387.50												

<p>Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)</p>	<table> <tr> <td data-bbox="750 174 1177 286"> <p>Component Description:</p> </td><td data-bbox="1177 174 1493 286"> <p>Primary Antenna - Elbow Complex 7 3/16"</p> </td></tr> <tr> <td data-bbox="750 286 1177 398"> <p>Amount:</p> </td><td data-bbox="1177 286 1493 398"> <p>\$5,410.21</p> </td></tr> <tr> <td data-bbox="750 432 1177 544"> <p>Component Description:</p> </td><td data-bbox="1177 432 1493 544"> <p>Primary Antenna - Elbow Complex 7 3/16"</p> </td></tr> <tr> <td data-bbox="750 544 1177 645"> <p>Amount:</p> </td><td data-bbox="1177 544 1493 645"> <p>\$5,410.21</p> </td></tr> </table>	<p>Component Description:</p>	<p>Primary Antenna - Elbow Complex 7 3/16"</p>	<p>Amount:</p>	<p>\$5,410.21</p>	<p>Component Description:</p>	<p>Primary Antenna - Elbow Complex 7 3/16"</p>	<p>Amount:</p>	<p>\$5,410.21</p>
<p>Component Description:</p>	<p>Primary Antenna - Elbow Complex 7 3/16"</p>								
<p>Amount:</p>	<p>\$5,410.21</p>								
<p>Component Description:</p>	<p>Primary Antenna - Elbow Complex 7 3/16"</p>								
<p>Amount:</p>	<p>\$5,410.21</p>								
<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>								
<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="750 913 1177 1025"> <p>Component Description:</p> </td><td data-bbox="1177 913 1493 1025"> <p>Aux Antenna Scattering Study</p> </td></tr> <tr> <td data-bbox="750 1025 1177 1137"> <p>Amount:</p> </td><td data-bbox="1177 1025 1493 1137"> <p>\$2,400.00</p> </td></tr> <tr> <td data-bbox="750 1137 1177 1249"> <p>Component Description:</p> </td><td data-bbox="1177 1137 1493 1249"> <p>SCATTERING STUDY -- WBKI</p> </td></tr> <tr> <td data-bbox="750 1249 1177 1310"> <p>Amount:</p> </td><td data-bbox="1177 1249 1493 1310"> <p>\$2,400.00</p> </td></tr> </table>	<p>Component Description:</p>	<p>Aux Antenna Scattering Study</p>	<p>Amount:</p>	<p>\$2,400.00</p>	<p>Component Description:</p>	<p>SCATTERING STUDY -- WBKI</p>	<p>Amount:</p>	<p>\$2,400.00</p>
<p>Component Description:</p>	<p>Aux Antenna Scattering Study</p>								
<p>Amount:</p>	<p>\$2,400.00</p>								
<p>Component Description:</p>	<p>SCATTERING STUDY -- WBKI</p>								
<p>Amount:</p>	<p>\$2,400.00</p>								
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="750 1384 1177 1496"> <p>Component Description:</p> </td><td data-bbox="1177 1384 1493 1496"> <p>Auxiliary Antenna - Side Mount Brackets</p> </td></tr> <tr> <td data-bbox="750 1496 1177 1608"> <p>Amount:</p> </td><td data-bbox="1177 1496 1493 1608"> <p>\$4,455.00</p> </td></tr> <tr> <td data-bbox="750 1608 1177 1720"> <p>Component Description:</p> </td><td data-bbox="1177 1608 1493 1720"> <p>Auxiliary Antenna - Side Mount Brackets</p> </td></tr> <tr> <td data-bbox="750 1720 1177 1776"> <p>Amount:</p> </td><td data-bbox="1177 1720 1493 1776"> <p>\$4,455.00</p> </td></tr> </table>	<p>Component Description:</p>	<p>Auxiliary Antenna - Side Mount Brackets</p>	<p>Amount:</p>	<p>\$4,455.00</p>	<p>Component Description:</p>	<p>Auxiliary Antenna - Side Mount Brackets</p>	<p>Amount:</p>	<p>\$4,455.00</p>
<p>Component Description:</p>	<p>Auxiliary Antenna - Side Mount Brackets</p>								
<p>Amount:</p>	<p>\$4,455.00</p>								
<p>Component Description:</p>	<p>Auxiliary Antenna - Side Mount Brackets</p>								
<p>Amount:</p>	<p>\$4,455.00</p>								

<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<table> <tr> <td data-bbox="756 174 1062 208">Component Description:</td><td data-bbox="1198 174 1453 241">Auxiliary Antenna - Elbow Complex 6 1/8"</td></tr> <tr> <td data-bbox="756 255 863 288">Amount:</td><td data-bbox="1198 255 1315 288">\$2,948.82</td></tr> <tr> <td data-bbox="756 394 1062 427">Component Description:</td><td data-bbox="1198 394 1422 506">Auxiliary Antenna - Elbow Complex 6 1/8"</td></tr> <tr> <td data-bbox="756 517 863 551">Amount:</td><td data-bbox="1198 517 1315 551">\$2,948.82</td></tr> </table>	Component Description:	Auxiliary Antenna - Elbow Complex 6 1/8"	Amount:	\$2,948.82	Component Description:	Auxiliary Antenna - Elbow Complex 6 1/8"	Amount:	\$2,948.82
Component Description:	Auxiliary Antenna - Elbow Complex 6 1/8"								
Amount:	\$2,948.82								
Component Description:	Auxiliary Antenna - Elbow Complex 6 1/8"								
Amount:	\$2,948.82								
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="756 685 1062 719">Component Description:</td><td data-bbox="1198 685 1426 797">WBKI-250-Auxiliary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="756 808 863 842">Amount:</td><td data-bbox="1198 808 1294 842">\$693.75</td></tr> </table>	Component Description:	WBKI-250-Auxiliary Antenna - Sweep Test	Amount:	\$693.75				
Component Description:	WBKI-250-Auxiliary Antenna - Sweep Test								
Amount:	\$693.75								
<p>UHF - High Power, Side Mount, basic slot antenna, 725 kW input, directional,, horizontally polarized</p>	<table> <tr> <td data-bbox="756 976 1062 1010">Component Description:</td><td data-bbox="1198 976 1426 1043">Lower Power Side Mount, One Station</td></tr> <tr> <td data-bbox="756 1055 863 1088">Amount:</td><td data-bbox="1198 1055 1331 1088">\$43,125.00</td></tr> <tr> <td data-bbox="756 1193 1062 1227">Component Description:</td><td data-bbox="1198 1193 1426 1350">WBKI-250-Auxiliary Antenna - Lower Power Side Mount, One Station</td></tr> <tr> <td data-bbox="756 1361 863 1395">Amount:</td><td data-bbox="1198 1361 1331 1395">\$47,580.00</td></tr> </table>	Component Description:	Lower Power Side Mount, One Station	Amount:	\$43,125.00	Component Description:	WBKI-250-Auxiliary Antenna - Lower Power Side Mount, One Station	Amount:	\$47,580.00
Component Description:	Lower Power Side Mount, One Station								
Amount:	\$43,125.00								
Component Description:	WBKI-250-Auxiliary Antenna - Lower Power Side Mount, One Station								
Amount:	\$47,580.00								
<p>UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized</p>	<table> <tr> <td data-bbox="756 1525 1062 1559">Component Description:</td><td data-bbox="1198 1525 1390 1592">Please deny this invoice</td></tr> <tr> <td data-bbox="756 1603 863 1637">Amount:</td><td data-bbox="1198 1603 1246 1637">N/A</td></tr> <tr> <td data-bbox="756 1742 1062 1776">Component Description:</td><td data-bbox="1198 1742 1426 1854">Auxiliary Antenna - Lower Power Side Mount, One Station</td></tr> <tr> <td data-bbox="756 1865 863 1899">Amount:</td><td data-bbox="1198 1865 1331 1899">\$43,125.00</td></tr> </table>	Component Description:	Please deny this invoice	Amount:	N/A	Component Description:	Auxiliary Antenna - Lower Power Side Mount, One Station	Amount:	\$43,125.00
Component Description:	Please deny this invoice								
Amount:	N/A								
Component Description:	Auxiliary Antenna - Lower Power Side Mount, One Station								
Amount:	\$43,125.00								

Cost
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$336,640.00	\$300,052.00		\$285,391.94	
Rigid Transmission Line - copper, 7 3/16"	\$325,670.00	\$289,082.00	N/A	\$276,999.89	N/A
Dehydrator	<i>\$10,970.00</i>	\$10,970.00	N/A	\$8,392.05	N/A
Auxiliary Transmission Line	\$221,050.00	\$150,398.00		\$139,160.17	
Rigid Transmission Line - copper, 6 1/8"	\$210,080.00	\$139,428.00	N/A	\$130,768.12	N/A
Dehydrator	<i>\$10,970.00</i>	\$10,970.00	N/A	\$8,392.05	N/A
Sub-total	\$557,690.00	\$450,450.00	N/A	\$424,552.11	N/A
Total for all systems	\$6,267,551.14	\$5,563,539.09	N/A	\$3,258,547.01	N/A

Components

Actual Information	Description	File Name
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Rigid Transmission Line - copper, 7 3/16"	<table> <tr> <td data-bbox="746 89 1181 324">Component Description:</td><td data-bbox="1181 89 1503 324">Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16"</td></tr> <tr> <td data-bbox="746 324 1181 414">Amount:</td><td data-bbox="1181 324 1503 414">\$90,067.39</td></tr> <tr> <td data-bbox="746 414 1181 660">Component Description:</td><td data-bbox="1181 414 1503 660">WBKI-310-Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16":</td></tr> <tr> <td data-bbox="746 660 1181 750">Amount:</td><td data-bbox="1181 660 1503 750">\$96,865.11</td></tr> <tr> <td data-bbox="746 750 1181 996">Component Description:</td><td data-bbox="1181 750 1503 996">Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16"</td></tr> <tr> <td data-bbox="746 996 1181 1104">Amount:</td><td data-bbox="1181 996 1503 1104">\$90,067.39</td></tr> </table>	Component Description:	Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16"	Amount:	\$90,067.39	Component Description:	WBKI-310-Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16":	Amount:	\$96,865.11	Component Description:	Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16"	Amount:	\$90,067.39
Component Description:	Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16"												
Amount:	\$90,067.39												
Component Description:	WBKI-310-Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16":												
Amount:	\$96,865.11												
Component Description:	Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16"												
Amount:	\$90,067.39												
Dehydrator	<table> <tr> <td data-bbox="746 1104 1181 1332">Component Description:</td><td data-bbox="1181 1104 1503 1332">Primary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="746 1332 1181 1422">Amount:</td><td data-bbox="1181 1332 1503 1422">\$2,797.35</td></tr> <tr> <td data-bbox="746 1422 1181 1668">Component Description:</td><td data-bbox="1181 1422 1503 1668">WBKI-310-Primary Transmission Line - Dehydrator:</td></tr> <tr> <td data-bbox="746 1668 1181 1758">Amount:</td><td data-bbox="1181 1668 1503 1758">\$2,797.35</td></tr> <tr> <td data-bbox="746 1758 1181 2004">Component Description:</td><td data-bbox="1181 1758 1503 2004">Primary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="746 2004 1181 1906">Amount:</td><td data-bbox="1181 2004 1503 1906">\$2,797.35</td></tr> </table>	Component Description:	Primary Transmission Line - Dehydrator	Amount:	\$2,797.35	Component Description:	WBKI-310-Primary Transmission Line - Dehydrator:	Amount:	\$2,797.35	Component Description:	Primary Transmission Line - Dehydrator	Amount:	\$2,797.35
Component Description:	Primary Transmission Line - Dehydrator												
Amount:	\$2,797.35												
Component Description:	WBKI-310-Primary Transmission Line - Dehydrator:												
Amount:	\$2,797.35												
Component Description:	Primary Transmission Line - Dehydrator												
Amount:	\$2,797.35												

Rigid Transmission Line - copper, 6 1/8"	<table> <tr> <td data-bbox="756 103 1187 331">Component Description:</td><td data-bbox="1187 103 1503 331">Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"</td></tr> <tr> <td data-bbox="756 331 1187 443">Amount:</td><td data-bbox="1187 331 1503 443">\$42,208.11</td></tr> <tr> <td data-bbox="756 465 1187 694">Component Description:</td><td data-bbox="1187 465 1503 694">WBKI-350-Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"</td></tr> <tr> <td data-bbox="756 694 1187 806">Amount:</td><td data-bbox="1187 694 1503 806">\$46,351.90</td></tr> <tr> <td data-bbox="756 828 1187 945">Component Description:</td><td data-bbox="1187 828 1503 945">Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"</td></tr> <tr> <td data-bbox="756 945 1187 1025">Amount:</td><td data-bbox="1187 945 1503 1025">\$42,208.11</td></tr> </table>	Component Description:	Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"	Amount:	\$42,208.11	Component Description:	WBKI-350-Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"	Amount:	\$46,351.90	Component Description:	Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"	Amount:	\$42,208.11
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Amount:	\$42,208.11												
Dehydrator	<table> <tr> <td data-bbox="756 1025 1187 1254">Component Description:</td><td data-bbox="1187 1025 1503 1254">Auxiliary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="756 1254 1187 1366">Amount:</td><td data-bbox="1187 1254 1503 1366">\$2,797.35</td></tr> <tr> <td data-bbox="756 1388 1187 1617">Component Description:</td><td data-bbox="1187 1388 1503 1617">WBKI-350-Auxiliary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="756 1617 1187 1729">Amount:</td><td data-bbox="1187 1617 1503 1729">\$2,797.35</td></tr> <tr> <td data-bbox="756 1751 1187 1868">Component Description:</td><td data-bbox="1187 1751 1503 1868">Auxiliary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="756 1868 1187 1825">Amount:</td><td data-bbox="1187 1868 1503 1825">\$2,797.35</td></tr> </table>	Component Description:	Auxiliary Transmission Line - Dehydrator	Amount:	\$2,797.35	Component Description:	WBKI-350-Auxiliary Transmission Line - Dehydrator	Amount:	\$2,797.35	Component Description:	Auxiliary Transmission Line - Dehydrator	Amount:	\$2,797.35
Component Description:	Auxiliary Transmission Line - Dehydrator												
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Component Description:	WBKI-350-Auxiliary Transmission Line - Dehydrator												
Amount:	\$2,797.35												
Component Description:	Auxiliary Transmission Line - Dehydrator												
Amount:	\$2,797.35												

Cost
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$2,791,185.00	\$2,580,686.00		\$1,256,988.71	
Installation services	<i>\$89,286.00</i>	\$89,286.00	N/A	\$34,476.45	ERI Proposal 20170929- 827 Rev E
New tower	<i>\$1,250,000.00</i>	\$1,250,000.00	N/A	\$617,213.52	N/A
State taxes	<i>\$134,843.00</i>	\$134,843.00	N/A	\$92,861.64	N/A
Demolition	<i>\$160,715.00</i>	\$160,715.00	N/A	\$16,600.00	N/A
Install tower and ice bridge	<i>\$625,000.00</i>	\$625,000.00	N/A	\$411,750.30	N/A
Foundation	<i>\$200,000.00</i>	\$200,000.00	N/A	\$64,980.00	N/A
Asphalt repair	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Rental of heavy equipment	<i>\$2,500.00</i>	\$2,500.00	N/A	\$1,861.06	N/A
Purchase six and one eighth inch hangers	<i>\$28,838.00</i>	\$28,838.00	N/A	N/A	N/A
Fence removal and installation	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Electric	<i>\$2,500.00</i>	\$2,500.00	N/A	N/A	N/A
Transmission line designs	<i>\$9,250.00</i>	\$9,250.00	N/A	\$5,550.00	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
Shipping Freight	\$11,696.00	\$11,696.00	N/A	\$11,695.74	N/A
Sub-total	\$2,791,185.00	\$2,580,686.00	N/A	\$1,256,988.71	N/A
Total for all systems	\$6,267,551.14	\$5,563,539.09	N/A	\$3,258,547.01	N/A

Components

Actual Information Description	File Name
Installation services	<div> <div> Component Description: Amount: </div> <div> Labor-operation /management to create proposed crane pad \$13,401.45 </div> </div> <div> <div> Component Description: Amount: </div> <div> Construct New Tower - Installation Services \$7,650.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> WBKI-480-Construct New Tower - Installation Services \$5,775.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Construct New Tower - Installation Services \$7,650.00 </div> </div>

New tower	Component Description:	Construct New Tower - New Tower
	Amount:	\$143,553.00
	Component Description:	Antenna Equipment and Installation Services
	Amount:	\$330,107.52
	Component Description:	Antenna Equipment and Installation Services
	Amount:	\$143,553.00
State taxes	Component Description:	WBKI-480-Construct New Tower - State Sales Tax
	Amount:	\$92,861.64
Demolition	Component Description:	Remove approx 1 1/2 acres of trees
	Amount:	\$16,600.00
Install tower and ice bridge	Component Description:	Construct New Tower - Install Tower and Ice Bridge
	Amount:	\$205,875.15
	Component Description:	Construct New Tower - Install Tower and Ice Bridge
	Amount:	\$205,875.15

Foundation	Component Description: Amount:	Construct New Tower - Foundation \$21,660.00
	Component Description: Amount:	WBKI-480-Construct New Tower - Foundation \$21,660.00
	Component Description: Amount:	Construct New Tower - Foundation \$21,660.00
Asphalt repair	Information not provided.	
Rental of heavy equipment	Component Description: Amount:	Pallet truck, cab shooting boom forklift \$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	<div> <div> Component Description: Construct New Tower - Transmission Line Designs </div> <div> Amount: \$2,775.00 </div> </div> <div> <div> Component Description: Reference WBKI-480-Construct New Tower - Transmission Line Designs Electronics Research, Inc WBKI-003 </div> <div> Amount: \$2,775.00 </div> </div>
Purchase seven and three sixteenth inch hangers	Information not provided.
Tall Tower (greater than 500')	Information not provided.
Shipping Freight	<div> <div> Component Description: WBKI-480-Construct New Tower - Freight </div> <div> Amount: \$11,695.74 </div> </div>

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$343,470.50	\$326,785.50		\$137,323.60	
Attorney Fees and Other Matters	<i>\$26,261.50</i>	\$26,261.50	see Estimated Cost Justification WBKI-550-Attorney Fees - Other Matters v2	\$26,261.50	N/A
Structural Engineering Analysis	<i>\$11,000.00</i>	\$11,000.00	Per invoices received	\$11,000.00	N/A
RF Consultant D. Everist	<i>\$50,000.00</i>	\$50,000.00	N/A	N/A	N/A
Advanced site survey GA999TS	<i>\$9,599.00</i>	\$9,599.00	N/A	\$8,185.20	N/A
Additional Field Engineering Service, 14 Days	<i>\$11,650.00</i>	\$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	\$1,110.00	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/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$2,105.00	\$200.00	WBKI Justification New Budget Category Attorney License to Cover App (Aux)	\$200.00	N/A
Project management of the transition	\$94,010.00	\$99,675.00	Per Widelity Quote	\$67,579.40	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,837.50	N/A
Existing-Tower inspection	\$5,000.00	\$5,000.00	N/A	\$5,000.00	N/A
Sub-total	\$343,470.50	\$326,785.50	N/A	\$137,323.60	N/A

Total for all systems	\$6,267,551.14	\$5,563,539.09	N/A	\$3,258,547.01	N/A
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Components

Actual Information	
Description	File Name
Attorney Fees and Other Matters	Component Description: Email with K. Wilkowski re FCC reimbursement issues Amount: \$3,505.00
	Component Description: Special Counsel Amount: \$2,730.00
	Component Description: Special Counsel Amount: \$90.00
	Component Description: Special Counsel Amount: \$852.00
	Component Description: Review issues re tower construction; email with G. Schroder re same Amount: \$1,980.00
	Component Description: Legal services Amount: \$366.50
	Component Description: Special Counsel Amount: \$4,140.00
	Component Description: Special Counsel Amount: \$3,247.00

	Component Description: Amount:	Conference call and emails with K. \$1,432.50
	Component Description: Amount:	Special Counsel \$90.00
	Component Description: Amount:	Special Counsel \$270.00
	Component Description: Amount:	Email with K. Witkowski and station engineers re FCC repack filings \$6,748.50
	Component Description: Amount:	Special Counsel \$810.00
Structural Engineering Analysis	Component Description: Amount:	Structural analysis \$3,500.00
	Component Description: Amount:	Engineering Evaluation /Feasibility Analysis for 944' guyed tower \$7,500.00
RF Consultant D. Everist	Information not provided.	
Advanced site survey GA999TS	Component Description: Amount:	Site survey \$8,185.20
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)	Component Description:	WBKI-590-ASR Modification
	Amount:	\$1,110.00
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 tree removal activities
	Amount:	\$1,650.00
NEPA Section 106 environmental review, if needed	Component Description:	WBKI-590-Environmental Assessment
	Amount:	\$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.	

<p>Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application</p>	<table> <tr> <td data-bbox="735 174 1043 208">Component Description:</td><td data-bbox="1177 174 1441 365">WBKI-550-Attorney - Prepare and File Construction Permit or License Application (Aux)</td></tr> <tr> <td data-bbox="735 376 847 409">Amount:</td><td data-bbox="1177 376 1273 409">\$200.00</td></tr> </table>	Component Description:	WBKI-550-Attorney - Prepare and File Construction Permit or License Application (Aux)	Amount:	\$200.00																																
Component Description:	WBKI-550-Attorney - Prepare and File Construction Permit or License Application (Aux)																																				
Amount:	\$200.00																																				
<p>Project management of the transition</p>	<table> <tr> <td data-bbox="735 548 1043 582">Component Description:</td><td data-bbox="1177 548 1422 582">Project Management</td></tr> <tr> <td data-bbox="735 589 847 622">Amount:</td><td data-bbox="1177 589 1294 622">\$2,080.20</td></tr> <tr> <td data-bbox="735 728 1043 761">Component Description:</td><td data-bbox="1177 728 1422 761">Project Management</td></tr> <tr> <td data-bbox="735 768 847 801">Amount:</td><td data-bbox="1177 768 1294 801">\$4,378.10</td></tr> <tr> <td data-bbox="735 907 1043 940">Component Description:</td><td data-bbox="1177 907 1422 940">Project Management</td></tr> <tr> <td data-bbox="735 947 847 981">Amount:</td><td data-bbox="1177 947 1294 981">\$5,313.45</td></tr> <tr> <td data-bbox="735 1086 1043 1120">Component Description:</td><td data-bbox="1177 1086 1422 1120">Project Management</td></tr> <tr> <td data-bbox="735 1126 847 1160">Amount:</td><td data-bbox="1177 1126 1294 1160">\$4,648.80</td></tr> <tr> <td data-bbox="735 1265 1043 1299">Component Description:</td><td data-bbox="1177 1265 1422 1299">Project Management</td></tr> <tr> <td data-bbox="735 1305 847 1339">Amount:</td><td data-bbox="1177 1305 1294 1339">\$1,902.60</td></tr> <tr> <td data-bbox="735 1444 1043 1478">Component Description:</td><td data-bbox="1177 1444 1422 1478">Project Management</td></tr> <tr> <td data-bbox="735 1485 847 1518">Amount:</td><td data-bbox="1177 1485 1294 1518">\$6,773.65</td></tr> <tr> <td data-bbox="735 1624 1043 1657">Component Description:</td><td data-bbox="1177 1624 1422 1657">Project Management</td></tr> <tr> <td data-bbox="735 1664 847 1697">Amount:</td><td data-bbox="1177 1664 1294 1697">\$3,990.60</td></tr> <tr> <td data-bbox="735 1803 1043 1836">Component Description:</td><td data-bbox="1177 1803 1422 1836">Project Management</td></tr> <tr> <td data-bbox="735 1843 847 1877">Amount:</td><td data-bbox="1177 1843 1294 1877">\$4,981.40</td></tr> <tr> <td data-bbox="735 1982 1043 2016">Component Description:</td><td data-bbox="1177 1982 1422 2016">Project Management</td></tr> <tr> <td data-bbox="735 2022 847 2056">Amount:</td><td data-bbox="1177 2022 1294 2056">\$3,613.45</td></tr> </table>	Component Description:	Project Management	Amount:	\$2,080.20	Component Description:	Project Management	Amount:	\$4,378.10	Component Description:	Project Management	Amount:	\$5,313.45	Component Description:	Project Management	Amount:	\$4,648.80	Component Description:	Project Management	Amount:	\$1,902.60	Component Description:	Project Management	Amount:	\$6,773.65	Component Description:	Project Management	Amount:	\$3,990.60	Component Description:	Project Management	Amount:	\$4,981.40	Component Description:	Project Management	Amount:	\$3,613.45
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	Component Description: Amount:	Project Management \$5,290.20
	Component Description: Amount:	Project Management \$2,389.55
	Component Description: Amount:	Project Management \$2,716.65
	Component Description: Amount:	Project Management \$241.75
	Component Description: Amount:	Project Management \$4,320.20
	Component Description: Amount:	Project Management \$1,481.50
	Component Description: Amount:	Project Management \$1,267.90
	Component Description: Amount:	Project Management \$6,189.80
	Component Description: Amount:	Project Management \$1,713.50
	Component Description: Amount:	Project Management \$4,286.10
Prepare and or review reimbursement form	Information not provided.	

Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Perform engineering study for new channel assignment and antenna development	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<div> <div>Component Description:</div> <div>WBKI-550-Attorney - Prepare and File Construction Permit Application \$2,837.50</div> <div>Amount:</div> <div>\$2,837.50</div> </div>
Existing-Tower inspection	<div> <div>Component Description:</div> <div>Completion of complete tower inspection services at WBKI TV, formally WMYO TV tower</div> <div>Amount:</div> <div>\$5,000.00</div> </div>

Cost
Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$55,847.95	\$48,282.95		\$15,887.94	
Heavy Equipment Rental and Delivery	\$12,767.95	\$12,767.95	Per Estimated Cost Justification WBKI-610-Heavy Equipment Rental and Delivery v0	\$12,767.94	N/A
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	\$900.00	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	\$2,220.00	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	\$55,847.95	\$48,282.95	N/A	\$15,887.94	N/A
Total for all systems	\$6,267,551.14	\$5,563,539.09	N/A	\$3,258,547.01	N/A

Components

Actual Information Description	File Name
Heavy Equipment Rental and Delivery	<p>Component Description: 19' Elect Scissorlift Amount: \$4,354.06</p> <p>Component Description: 19' Elect Scissorlift Amount: \$4,046.44</p> <p>Component Description: 19' Elect Scissorlift Amount: \$4,046.44</p> <p>Component Description: Pallet Truck Amount: \$321.00</p>
Project management fees internal	Information not provided.

MVPD Notification of Channel Change	<div> <div>Component Description:</div> <div>WBKI-610-MVPD Notification</div> <div>Amount:</div> <div>\$900.00</div> </div>
Develop and air announcement of upcoming channel change	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	<div> <div>Component Description:</div> <div>Switch Out - Trash</div> <div>Amount:</div> <div>\$370.00</div> </div> <div> <div>Component Description:</div> <div>1 - 20YD Switch Out - Trash</div> <div>Amount:</div> <div>\$370.00</div> </div> <div> <div>Component Description:</div> <div>Dump & Return - Trash</div> <div>Amount:</div> <div>\$370.00</div> </div> <div> <div>Component Description:</div> <div>Final Pick Up- Trash</div> <div>Amount:</div> <div>\$370.00</div> </div> <div> <div>Component Description:</div> <div>Serv 001 Roll Off (Trash, Shingle, YWaste, Fill) 1 - 20YD</div> <div>Amount:</div> <div>\$370.00</div> </div> <div> <div>Component Description:</div> <div>1 - 20YD Switch Out - Trash</div> <div>Amount:</div> <div>\$370.00</div> </div>
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.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$6,267,551.14	\$5,563,539.09
			\$3,258,547.01

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	Yes
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>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.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he/she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).

5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.

6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.

7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

Gary Schroder ,
Schroder .
Chief Engineer

11/05/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .

6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.

7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Gary Schroder , Schroder . Chief Engineer</p> <p>11/05/2019</p>

Attachments