



(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 **09/03**
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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RF Accessories	Dielectric 4 port switch with controller and cable, 80 kW liquid cooled RF load
Demolition	To prepare for the installation of the new transmitters, we will be required to remove two beam transformers filled with mineral oil.
Installation and proof	Installation of transmitter and proof of performance
Mask Filter	ATSC Mask filter Kit

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**

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
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
State taxes	State taxes at 7% for the new tower
Transmission line designs	Design drawings of transmission lines
Demolition	Removal of old tower and all apparatuses not utilized
Foundation	Concrete work for pier and anchors
Rental of heavy equipment	Rental of a Sky-jack to off load transmitters and other equipment
Shipping Freight	Freight charges for tower components
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
Fence removal and installation	Costs for removing existing fence and installing new fence around new tower and guy anchors.
Asphalt repair	Funds needed to repair the existing asphalt surface of the tower area after construction,
Electric	Provide electricity to base of tower for lighting and ENG antennas

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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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
State taxes	State taxes at 7% for the new tower
Transmission line designs	Design drawings of transmission lines
Demolition	Removal of old tower and all apparatuses not utilized
Foundation	Concrete work for pier and anchors
Rental of heavy equipment	Rental of a Sky-jack to off load transmitters and other equipment
Shipping Freight	Freight charges for tower components
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
Fence removal and installation	Costs for removing existing fence and installing new fence around new tower and guy anchors.
Asphalt repair	Funds needed to repair the existing asphalt surface of the tower area after construction,
Electric	Provide electricity to base of tower for lighting and ENG antennas

**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	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 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
Mask Filter	<i>\$73,329.59</i>	\$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
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
Demolition	<i>\$4,500.00</i>	\$4,500.00	N/A	N/A
RF Accessories	<i>\$73,232.60</i>	\$73,232.60	Per GatesAir quote Q-78331	\$40,865
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
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	\$9,453.1
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
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	\$6,261,033.22	\$5,558,926.17	N/A	\$3,207,27

Components

Actual Information	Description	File Name
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Mask Filter	Component Description:	Primary Transmitter, Mask Filter
	Amount:	\$24,443.20
	Component Description:	1st Primary Transmitter - Mask Filter
	Amount:	\$24,222.72
Installation and proof	Component Description:	Primary Transmitter, Installation and Proof of Performance
	Amount:	\$27,230.17
	Component Description:	1st Primary Transmitter - Installation and Proof
	Amount:	\$27,230.16
Demolition	Information not provided.	
RF Accessories	Component Description:	Primary Transmitter, RF Accessories
	Amount:	\$16,454.60
	Component Description:	1st Primary Transmitter - RF Accessories
	Amount:	\$24,410.87
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:	5500LB 19' Shooting Boom Forklift
	Amount:	\$787.96
	Component Description:	Primary Transmitter, Electrical
	Amount:	\$4,332.94
	Component Description:	1st Primary Transmitter - Electrical, Transformer - 3 phase/408v - 300 KVA
	Amount:	\$4,332.94
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description:	Primary Transmitter
	Amount:	\$392,771.28
	Component Description:	Transmitter, Mask filter system, RF accessories, Electrical, Installation & proof
	Amount:	\$392,162.38
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	
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
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
Auxiliary Antenna ATW19H3-HSCX-16H	\$390,565.00	\$193,565.00		\$154,131.39	
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$693.75	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
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
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

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	\$6,261,033.22	\$5,558,926.17	N/A	\$3,207,277.47	N/A

Components

Actual Information	
Description	File Name
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	<p>Component Description: Primary Antenna - Elbow Complex 7 3 /16"</p> <p>Amount: \$5,410.21</p> <p>Component Description: Primary Antenna - Elbow Complex 7 3 /16"</p> <p>Amount: \$5,410.21</p>
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

<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												
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												
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="750 985 1177 1034">Component Description:</td><td data-bbox="1177 985 1503 1034">Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="750 1066 1177 1115">Amount:</td><td data-bbox="1177 1066 1503 1115">\$1,387.50</td></tr> <tr> <td data-bbox="750 1209 1177 1258">Component Description:</td><td data-bbox="1177 1209 1503 1258">WBKI-210-Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="750 1330 1177 1379">Amount:</td><td data-bbox="1177 1330 1503 1379">\$693.75</td></tr> <tr> <td data-bbox="750 1473 1177 1523">Component Description:</td><td data-bbox="1177 1473 1503 1523">Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="750 1554 1177 1603">Amount:</td><td data-bbox="1177 1554 1503 1603">\$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												
Component Description:	Primary Antenna - Sweep Test												
Amount:	\$1,387.50												

<p>UHF - High Power, Side Mount, basic slot antenna, 725 kW input, directional,, horizontally polarized</p>	<table> <tr> <td data-bbox="750 100 1177 324"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1177 100 1503 324"> <p>Lower Power Side Mount, One Station</p> <p>\$43,125.00</p> </td></tr> <tr> <td data-bbox="750 324 1177 645"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1177 324 1503 645"> <p>WBKI-250-Auxiliary Antenna - Lower Power Side Mount, One Station</p> <p>\$47,580.00</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Lower Power Side Mount, One Station</p> <p>\$43,125.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>WBKI-250-Auxiliary Antenna - Lower Power Side Mount, One Station</p> <p>\$47,580.00</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Lower Power Side Mount, One Station</p> <p>\$43,125.00</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>WBKI-250-Auxiliary Antenna - Lower Power Side Mount, One Station</p> <p>\$47,580.00</p>				
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="750 645 1177 936"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1177 645 1503 936"> <p>WBKI-250-Auxiliary Antenna - Sweep Test</p> <p>\$693.75</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>WBKI-250-Auxiliary Antenna - Sweep Test</p> <p>\$693.75</p>		
<p>Component Description:</p> <p>Amount:</p>	<p>WBKI-250-Auxiliary Antenna - Sweep Test</p> <p>\$693.75</p>				
<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<table> <tr> <td data-bbox="750 936 1177 1205"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1177 936 1503 1205"> <p>Auxiliary Antenna - Elbow Complex 6 1/8"</p> <p>\$2,948.82</p> </td></tr> <tr> <td data-bbox="750 1205 1177 1451"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1177 1205 1503 1451"> <p>Auxiliary Antenna - Elbow Complex 6 1/8"</p> <p>\$2,948.82</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Auxiliary Antenna - Elbow Complex 6 1/8"</p> <p>\$2,948.82</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Auxiliary Antenna - Elbow Complex 6 1/8"</p> <p>\$2,948.82</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Auxiliary Antenna - Elbow Complex 6 1/8"</p> <p>\$2,948.82</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>Auxiliary Antenna - Elbow Complex 6 1/8"</p> <p>\$2,948.82</p>				
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="750 1451 1177 1720"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1177 1451 1503 1720"> <p>Auxiliary Antenna - Side Mount Brackets</p> <p>\$4,455.00</p> </td></tr> <tr> <td data-bbox="750 1720 1177 1912"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1177 1720 1503 1912"> <p>Auxiliary Antenna - Side Mount Brackets</p> <p>\$4,455.00</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Auxiliary Antenna - Side Mount Brackets</p> <p>\$4,455.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Auxiliary Antenna - Side Mount Brackets</p> <p>\$4,455.00</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Auxiliary Antenna - Side Mount Brackets</p> <p>\$4,455.00</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>Auxiliary Antenna - Side Mount Brackets</p> <p>\$4,455.00</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="756 174 1062 208">Component Description:</td><td data-bbox="1198 174 1385 241">SCATTERING STUDY -- WBKI</td></tr> <tr> <td data-bbox="756 255 863 288">Amount:</td><td data-bbox="1198 255 1315 288">\$2,400.00</td></tr> <tr> <td data-bbox="756 396 1062 430">Component Description:</td><td data-bbox="1198 396 1390 463">Aux Antenna Scattering Study</td></tr> <tr> <td data-bbox="756 477 863 510">Amount:</td><td data-bbox="1198 477 1315 510">\$2,400.00</td></tr> </table>	Component Description:	SCATTERING STUDY -- WBKI	Amount:	\$2,400.00	Component Description:	Aux Antenna Scattering Study	Amount:	\$2,400.00
Component Description:	SCATTERING STUDY -- WBKI								
Amount:	\$2,400.00								
Component Description:	Aux Antenna Scattering Study								
Amount:	\$2,400.00								
<p>UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized</p>	<table> <tr> <td data-bbox="756 642 1062 676">Component Description:</td><td data-bbox="1198 642 1390 710">Please deny this invoice</td></tr> <tr> <td data-bbox="756 723 863 757">Amount:</td><td data-bbox="1198 723 1246 757">N/A</td></tr> <tr> <td data-bbox="756 864 1062 898">Component Description:</td><td data-bbox="1198 864 1422 976">Auxiliary Antenna - Lower Power Side Mount, One Station</td></tr> <tr> <td data-bbox="756 990 863 1023">Amount:</td><td data-bbox="1198 990 1331 1023">\$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	\$6,261,033.22	\$5,558,926.17	N/A	\$3,207,277.47	N/A

Components

Actual Information	Description	File Name
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Rigid Transmission Line - copper, 7 3/16"	<table> <tr> <td data-bbox="756 103 1182 331">Component Description:</td><td data-bbox="1182 103 1503 331">Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16"</td></tr> <tr> <td data-bbox="756 331 1182 421">Amount:</td><td data-bbox="1182 331 1503 421">\$90,067.39</td></tr> <tr> <td data-bbox="756 465 1182 672">Component Description:</td><td data-bbox="1182 465 1503 672">WBKI-310-Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16":</td></tr> <tr> <td data-bbox="756 672 1182 761">Amount:</td><td data-bbox="1182 672 1503 761">\$96,865.11</td></tr> <tr> <td data-bbox="756 806 1182 1012">Component Description:</td><td data-bbox="1182 806 1503 1012">Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16"</td></tr> <tr> <td data-bbox="756 1012 1182 1104">Amount:</td><td data-bbox="1182 1012 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="756 1104 1182 1332">Component Description:</td><td data-bbox="1182 1104 1503 1332">Primary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="756 1332 1182 1422">Amount:</td><td data-bbox="1182 1332 1503 1422">\$2,797.35</td></tr> <tr> <td data-bbox="756 1467 1182 1673">Component Description:</td><td data-bbox="1182 1467 1503 1673">WBKI-310-Primary Transmission Line - Dehydrator:</td></tr> <tr> <td data-bbox="756 1673 1182 1762">Amount:</td><td data-bbox="1182 1673 1503 1762">\$2,797.35</td></tr> <tr> <td data-bbox="756 1807 1182 2013">Component Description:</td><td data-bbox="1182 1807 1503 2013">Primary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="756 2013 1182 2105">Amount:</td><td data-bbox="1182 2013 1503 2105">\$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
Component Description:	Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"												
Amount:	\$42,208.11												
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Amount:	\$46,351.90												
Component Description:	Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"												
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												
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												

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		\$1,226,987.26	
New tower	<i>\$1,250,000.00</i>	\$1,250,000.00	N/A	\$617,213.52	N/A
Installation services	<i>\$89,286.00</i>	\$89,286.00	N/A	\$21,075.00	ERI Proposal 20170929-827 Rev E
State taxes	<i>\$134,843.00</i>	\$134,843.00	N/A	\$92,861.64	N/A
Install tower and ice bridge	<i>\$625,000.00</i>	\$625,000.00	N/A	\$411,750.30	N/A
Shipping Freight	<i>\$11,696.00</i>	\$11,696.00	N/A	\$11,695.74	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

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	\$1,226,987.26	N/A
Total for all systems	\$6,261,033.22	\$5,558,926.17	N/A	\$3,207,277.47	N/A

Components

Actual Information Description	File Name
New tower	<div> <div> Component Description: Amount: </div> <div> Construct New Tower - New Tower \$143,553.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Antenna Equipment and Installation Services \$330,107.52 </div> </div> <div> <div> Component Description: Amount: </div> <div> Antenna Equipment and Installation Services \$143,553.00 </div> </div>

Installation services	<table> <tr> <td data-bbox="754 98 1177 398"> Component Description: Amount: </td><td data-bbox="1177 98 1489 398"> Construct New Tower - Installation Services \$7,650.00 </td></tr> <tr> <td data-bbox="754 398 1177 676"> Component Description: Amount: </td><td data-bbox="1177 398 1489 676"> WBKI-480-Construct New Tower - Installation Services \$5,775.00 </td></tr> <tr> <td data-bbox="754 676 1177 904"> Component Description: Amount: </td><td data-bbox="1177 676 1489 904"> Construct New Tower - Installation Services \$7,650.00 </td></tr> </table>	Component Description: Amount:	Construct New Tower - Installation Services \$7,650.00	Component Description: Amount:	WBKI-480-Construct New Tower - Installation Services \$5,775.00	Component Description: Amount:	Construct New Tower - Installation Services \$7,650.00
Component Description: Amount:	Construct New Tower - Installation Services \$7,650.00						
Component Description: Amount:	WBKI-480-Construct New Tower - Installation Services \$5,775.00						
Component Description: Amount:	Construct New Tower - Installation Services \$7,650.00						
State taxes	<table> <tr> <td data-bbox="754 904 1177 1196"> Component Description: Amount: </td><td data-bbox="1177 904 1489 1196"> WBKI-480-Construct New Tower - State Sales Tax \$92,861.64 </td></tr> </table>	Component Description: Amount:	WBKI-480-Construct New Tower - State Sales Tax \$92,861.64				
Component Description: Amount:	WBKI-480-Construct New Tower - State Sales Tax \$92,861.64						
Install tower and ice bridge	<table> <tr> <td data-bbox="754 1196 1177 1496"> Component Description: Amount: </td><td data-bbox="1177 1196 1489 1496"> Construct New Tower - Install Tower and Ice Bridge \$205,875.15 </td></tr> <tr> <td data-bbox="754 1496 1177 1747"> Component Description: Amount: </td><td data-bbox="1177 1496 1489 1747"> Construct New Tower - Install Tower and Ice Bridge \$205,875.15 </td></tr> </table>	Component Description: Amount:	Construct New Tower - Install Tower and Ice Bridge \$205,875.15	Component Description: Amount:	Construct New Tower - Install Tower and Ice Bridge \$205,875.15		
Component Description: Amount:	Construct New Tower - Install Tower and Ice Bridge \$205,875.15						
Component Description: Amount:	Construct New Tower - Install Tower and Ice Bridge \$205,875.15						
Shipping Freight	<table> <tr> <td data-bbox="754 1747 1177 1993"> Component Description: Amount: </td><td data-bbox="1177 1747 1489 1993"> WBKI-480-Construct New Tower - Freight \$11,695.74 </td></tr> </table>	Component Description: Amount:	WBKI-480-Construct New Tower - Freight \$11,695.74				
Component Description: Amount:	WBKI-480-Construct New Tower - Freight \$11,695.74						

Foundation	Component Description:		Construct New
	Amount:		Tower - Foundation
			\$21,660.00
	Component Description:		WBKI-480-Construct
	Amount:		New Tower -
			Foundation
	Component Description:		Construct New
	Amount:		Tower - Foundation
			\$21,660.00
	Component Description:		Construct New
	Amount:		Tower - Foundation
			\$21,660.00
Asphalt repair	Information not provided.		
Rental of heavy equipment	Component Description:		Pallet truck, cab
	Amount:		shooting boom
			forklift
			\$1,861.06
	Component Description:		Pallet truck, cab
	Amount:		shooting boom
	Component Description:		Pallet truck, cab
	Amount:		shooting boom
			forklift
			\$1,861.06
	Component Description:		Pallet truck, cab
	Amount:		shooting boom
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:	Construct New Tower - Transmission Line Designs
	Amount:	\$2,775.00
	Component Description:	Reference WBKI-480-Construct New Tower - Transmission Line Designs Electronics Research, Inc WBKI-003
	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.	

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	\$340,999.00	\$326,219.00		\$128,823.45	
Project management of the transition	\$94,010.00	\$99,675.00	Per Widely Quote	\$59,645.75	N/A
Attorney Fees and Other Matters	\$25,895.00	\$25,895.00	see Estimated Cost Justification WBKI-550-Attorney Fees - Other Matters v1	\$25,895.00	N/A
Structural Engineering Analysis	\$11,000.00	\$11,000.00	Per invoices received	\$11,000.00	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	\$5,000.00	N/A
Advanced site survey GA999TS	\$9,599.00	\$9,599.00	N/A	\$8,185.20	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

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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,837.50	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
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
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
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	\$1,110.00	N/A
Sub-total	\$340,999.00	\$326,219.00	N/A	\$128,823.45	N/A
Total for all systems	\$6,261,033.22	\$5,558,926.17	N/A	\$3,207,277.47	N/A

Components

Actual Information Description	File Name
Project management of the transition	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$241.75</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$2,080.20</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$4,378.10</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$4,981.40</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$6,189.80</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$1,902.60</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$6,773.65</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$3,990.60</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$5,313.45</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Project Management \$1,267.90</div>

	Component Description:	Project Management
	Amount:	\$4,648.80
	Component Description:	Project Management
	Amount:	\$2,389.55
	Component Description:	Project Management
	Amount:	\$1,481.50
	Component Description:	Project Management
	Amount:	\$5,290.20
	Component Description:	Project Management
	Amount:	\$2,716.65
	Component Description:	Project Management
	Amount:	\$1,713.50
	Component Description:	Project Management
	Amount:	\$4,286.10
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:	\$4,140.00

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:	Special Counsel
Amount:	\$270.00

Component Description:	Email with K. Witkowski and station engineers re FCC repack filings
Amount:	\$6,748.50

Component Description:	Conference call and emails with K.
Amount:	\$1,432.50

Component Description:	Special Counsel
Amount:	\$3,247.00

Component Description:	Special Counsel
Amount:	\$810.00

Component Description:	Special Counsel
Amount:	\$90.00

Structural Engineering Analysis	Component Description: Structural analysis Amount: \$3,500.00
	Component Description: Engineering Evaluation /Feasibility Analysis for 944' guyed tower Amount: \$7,500.00
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
Advanced site survey GA999TS	Component Description: Site survey Amount: \$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

Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	<p>Component Description:</p> <p>Amount:</p>	<p>NEPA Screening, Detailed Habitat Assessment and GIS Analysis/Mapping of tree removal activities</p> <p>\$1,650.00</p>
NEPA Section 106 environmental review, if needed	<p>Component Description:</p> <p>Amount:</p>	<p>WBKI-590-Environmental Assessment</p> <p>\$1,000.00</p>
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	<p>Component Description:</p> <p>Amount:</p>	<p>WBKI-550-Attorney - Prepare and File Construction Permit Application \$2,837.50</p> <p>\$2,837.50</p>
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.	
Prepare and or review reimbursement form	Information not provided.	

Address transition timing and coordination issues w/ other stations and wireless	Information not provided.				
ASR modification (prepare FCC Form 854)	<table><tr><td>Component Description:</td><td>WBKI-590-ASR Modification</td></tr><tr><td>Amount:</td><td>\$1,110.00</td></tr></table>	Component Description:	WBKI-590-ASR Modification	Amount:	\$1,110.00
Component Description:	WBKI-590-ASR Modification				
Amount:	\$1,110.00				

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	\$51,801.53	\$44,236.53		\$3,120.00	
Heavy Equipment Rental and Delivery	<i>\$8,721.53</i>	\$8,721.53	Please see attached heavy equipment justification documents	N/A	N/A
Project management fees internal	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$1,000.00</i>	\$1,000.00	N/A	\$900.00	N/A
Develop and air announcement of upcoming channel change	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$4,000.00</i>	\$4,000.00	N/A	\$2,220.00	N/A
Non-zoning permits	<i>\$3,000.00</i>	\$3,000.00	N/A	N/A	N/A
Local Zoning	<i>\$7,000.00</i>	\$7,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,000.00	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
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Sub-total	\$51,801.53	\$44,236.53	N/A	\$3,120.00	N/A
Total for all systems	\$6,261,033.22	\$5,558,926.17	N/A	\$3,207,277.47	N/A

Components

Actual Information Description	File Name
Heavy Equipment Rental and Delivery	Information not provided.
Project management fees internal	Information not provided.
MVPD Notification of Channel Change	<p>Component Description: WBKI-610-MVPD Notification</p> <p>Amount: \$900.00</p>
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: Dump & Return - Trash Amount: \$370.00
	Component Description: Final Pick Up- Trash Amount: \$370.00
	Component Description: 1 - 20YD Switch Out - Trash Amount: \$370.00
	Component Description: Serv 001 Roll Off (Trash, Shingle, YWaste, Fill) 1 - 20YD Amount: \$370.00
	Component Description: 1 - 20YD Switch Out - Trash Amount: \$370.00
	Component Description: Switch Out - Trash Amount: \$370.00
Non-zoning permits	Information not provided.
Local Zoning	Information not provided.
DTV Medical Facility Notification	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$6,261,033.22	\$5,558,926.17
			\$3,207,277.47

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<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

09/03/2019

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>09/03/2019</p>

Attachments