



(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 **01/06**
Submitted: **/2020**

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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Installation and proof	Installation of transmitter and proof of performance
Mask Filter	ATSC Mask filter Kit
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.

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
Rental of heavy equipment	Rental of a Sky-jack to off load transmitters and other equipment
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,
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
Install tower and ice bridge	Charges for the installation of the tower and new ice bridge
Demolition	Removal of old tower and all apparatuses not utilized
Transmission line designs	Design drawings of transmission lines
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

**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
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
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
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

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
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	\$938,379.00
Total for all systems	\$6,270,915.14	\$5,567,567.09	N/A	\$3,300,280.00

Components

Actual Information Description	File Name
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
Mask Filter	Component Description:	1st Primary Transmitter - Mask Filter
	Amount:	\$24,222.72
	Component Description:	Primary Transmitter, Mask Filter
	Amount:	\$24,443.20
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
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.	

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description: Amount:	Primary Transmitter \$392,771.28
	Component Description: Amount:	Transmitter, Mask filter system, RF accessories, Electrical, Installation & proof \$392,162.38
Transformer 3 phase/480v - 300 KVA	Component Description: Amount:	5500LB 19' Shooting Boom Forklift \$787.96
	Component Description: Amount:	Primary Transmitter, Electrical \$4,332.94
	Component Description: Amount:	1st Primary Transmitter - Electrical, Transformer - 3 phase/408v - 300 KVA \$4,332.94
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	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 7 3 /16. feedline (if needed)	\$13,900.00	\$27,192.00	This is the price quoted by ERI for all the elbows in the line (12). Actual cost may change after we pay for the transmission line design.	\$10,820.42	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,468.75	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
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

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
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	\$6,270,915.14	\$5,567,567.09	N/A	\$3,300,289.20	N/A

Components

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

<p>Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)</p>	<table> <tr> <td data-bbox="750 174 1062 210">Component Description:</td><td data-bbox="1195 174 1426 286">Primary Antenna - Elbow Complex 7 3 /16"</td></tr> <tr> <td data-bbox="750 297 863 333">Amount:</td><td data-bbox="1195 297 1313 333">\$5,410.21</td></tr> <tr> <td data-bbox="750 434 1062 470">Component Description:</td><td data-bbox="1195 434 1426 546">Primary Antenna - Elbow Complex 7 3 /16"</td></tr> <tr> <td data-bbox="750 557 863 593">Amount:</td><td data-bbox="1195 557 1313 593">\$5,410.21</td></tr> </table>	Component Description:	Primary Antenna - Elbow Complex 7 3 /16"	Amount:	\$5,410.21	Component Description:	Primary Antenna - Elbow Complex 7 3 /16"	Amount:	\$5,410.21				
Component Description:	Primary Antenna - Elbow Complex 7 3 /16"												
Amount:	\$5,410.21												
Component Description:	Primary Antenna - Elbow Complex 7 3 /16"												
Amount:	\$5,410.21												
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="750 725 1062 761">Component Description:</td><td data-bbox="1195 725 1410 797">Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="750 808 863 844">Amount:</td><td data-bbox="1195 808 1313 844">\$1,387.50</td></tr> <tr> <td data-bbox="750 945 1062 981">Component Description:</td><td data-bbox="1195 945 1418 1057">WBKI-210-Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="750 1068 863 1104">Amount:</td><td data-bbox="1195 1068 1294 1104">\$693.75</td></tr> <tr> <td data-bbox="750 1205 1062 1240">Component Description:</td><td data-bbox="1195 1205 1410 1276">Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="750 1288 863 1323">Amount:</td><td data-bbox="1195 1288 1313 1323">\$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 Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized</p>	<table> <tr> <td data-bbox="756 174 1062 208">Component Description:</td><td data-bbox="1198 174 1445 286">Primary Antenna - UHF High Power Top Mount</td></tr> <tr> <td data-bbox="756 297 863 331">Amount:</td><td data-bbox="1198 297 1342 331">\$100,149.75</td></tr> <tr> <td data-bbox="756 439 1062 472">Component Description:</td><td data-bbox="1198 439 1445 551">WBKI-210-Primary Antenna - UHF High Power Top Mount</td></tr> <tr> <td data-bbox="756 562 863 595">Amount:</td><td data-bbox="1198 562 1342 595">\$116,695.37</td></tr> <tr> <td data-bbox="756 703 1062 736">Component Description:</td><td data-bbox="1198 703 1445 815">Primary Antenna - UHF High Power Top Mount</td></tr> <tr> <td data-bbox="756 826 863 860">Amount:</td><td data-bbox="1198 826 1342 860">\$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>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="756 987 1062 1021">Component Description:</td><td data-bbox="1198 987 1382 1055">SCATTERING STUDY -- WBKI</td></tr> <tr> <td data-bbox="756 1066 863 1099">Amount:</td><td data-bbox="1198 1066 1310 1099">\$2,400.00</td></tr> <tr> <td data-bbox="756 1207 1062 1240">Component Description:</td><td data-bbox="1198 1207 1390 1274">Aux Antenna Scattering Study</td></tr> <tr> <td data-bbox="756 1285 863 1319">Amount:</td><td data-bbox="1198 1285 1310 1319">\$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>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="756 1460 1062 1494">Component Description:</td><td data-bbox="1198 1460 1437 1527">Auxiliary Antenna - Side Mount Brackets</td></tr> <tr> <td data-bbox="756 1538 863 1572">Amount:</td><td data-bbox="1198 1538 1310 1572">\$4,455.00</td></tr> <tr> <td data-bbox="756 1680 1062 1713">Component Description:</td><td data-bbox="1198 1680 1437 1747">Auxiliary Antenna - Side Mount Brackets</td></tr> <tr> <td data-bbox="756 1758 863 1792">Amount:</td><td data-bbox="1198 1758 1310 1792">\$4,455.00</td></tr> </table>	Component Description:	Auxiliary Antenna - Side Mount Brackets	Amount:	\$4,455.00	Component Description:	Auxiliary Antenna - Side Mount Brackets	Amount:	\$4,455.00				
Component Description:	Auxiliary Antenna - Side Mount Brackets												
Amount:	\$4,455.00												
Component Description:	Auxiliary Antenna - Side Mount Brackets												
Amount:	\$4,455.00												

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:		Auxiliary Antenna -
	Amount:		Elbow Complex 6 1/8"
			\$2,948.82
	Component Description:		Auxiliary Antenna -
UHF - High Power, Side Mount, basic slot antenna, 725 kW input, directional,, horizontally polarized	Amount:		Elbow Complex 6 1/8"
			\$2,948.82
	Component Description:		Lower Power Side Mount, One Station
	Amount:		\$43,125.00
Sweep test of existing antenna	Component Description:		WBKI-250-Auxiliary Antenna - Lower Power Side Mount, One Station
	Amount:		\$47,580.00
	Component Description:		WBKI-250-Auxiliary Antenna - Sweep Test
	Amount:		\$693.75
UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	Component Description:		Auxiliary Antenna - Lower Power Side Mount, One Station
	Amount:		\$43,125.00
	Component Description:		Please deny this invoice
	Amount:		N/A

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	
Dehydrator	<i>\$10,970.00</i>	\$10,970.00	N/A	\$8,392.05	N/A
Rigid Transmission Line - copper, 6 1/8"	\$210,080.00	\$139,428.00	N/A	\$130,768.12	N/A
Sub-total	\$557,690.00	\$450,450.00	N/A	\$424,552.11	N/A
Total for all systems	\$6,270,915.14	\$5,567,567.09	N/A	\$3,300,289.20	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 443">Amount:</td><td data-bbox="1182 331 1503 443">\$90,067.39</td></tr> <tr> <td data-bbox="756 443 1182 672">Component Description:</td><td data-bbox="1182 443 1503 672">WBKI-310-Primary Transmission Line - Rigid Transmission Line - Copper 7 3/16":</td></tr> <tr> <td data-bbox="756 672 1182 784">Amount:</td><td data-bbox="1182 672 1503 784">\$96,865.11</td></tr> <tr> <td data-bbox="756 784 1182 1012">Component Description:</td><td data-bbox="1182 784 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 1444">Amount:</td><td data-bbox="1182 1332 1503 1444">\$2,797.35</td></tr> <tr> <td data-bbox="756 1444 1182 1673">Component Description:</td><td data-bbox="1182 1444 1503 1673">WBKI-310-Primary Transmission Line - Dehydrator:</td></tr> <tr> <td data-bbox="756 1673 1182 1785">Amount:</td><td data-bbox="1182 1673 1503 1785">\$2,797.35</td></tr> <tr> <td data-bbox="756 1785 1182 2013">Component Description:</td><td data-bbox="1182 1785 1503 2013">Primary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="756 2013 1182 1906">Amount:</td><td data-bbox="1182 2013 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												

Dehydrator	<table> <tr> <td data-bbox="756 174 1182 210">Component Description:</td><td data-bbox="1182 174 1493 286">Auxiliary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="756 297 1182 333">Amount:</td><td data-bbox="1182 297 1493 333">\$2,797.35</td></tr> <tr> <td data-bbox="756 434 1182 470">Component Description:</td><td data-bbox="1182 434 1493 546">WBKI-350-Auxiliary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="756 557 1182 593">Amount:</td><td data-bbox="1182 557 1493 593">\$2,797.35</td></tr> <tr> <td data-bbox="756 694 1182 730">Component Description:</td><td data-bbox="1182 694 1493 806">Auxiliary Transmission Line - Dehydrator</td></tr> <tr> <td data-bbox="756 817 1182 853">Amount:</td><td data-bbox="1182 817 1493 853">\$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												
Rigid Transmission Line - copper, 6 1/8"	<table> <tr> <td data-bbox="756 976 1182 1012">Component Description:</td><td data-bbox="1182 976 1493 1133">Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"</td></tr> <tr> <td data-bbox="756 1144 1182 1180">Amount:</td><td data-bbox="1182 1144 1493 1180">\$42,208.11</td></tr> <tr> <td data-bbox="756 1281 1182 1317">Component Description:</td><td data-bbox="1182 1281 1493 1438">WBKI-350-Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"</td></tr> <tr> <td data-bbox="756 1449 1182 1485">Amount:</td><td data-bbox="1182 1449 1493 1485">\$46,351.90</td></tr> <tr> <td data-bbox="756 1585 1182 1621">Component Description:</td><td data-bbox="1182 1585 1493 1742">Auxiliary Transmission Line - Rigid Transmission Line - Copper 6 1/8"</td></tr> <tr> <td data-bbox="756 1753 1182 1789">Amount:</td><td data-bbox="1182 1753 1493 1789">\$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												
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												

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	\$6,270,915.14	\$5,567,567.09	N/A	\$3,300,289.20	N/A

Components

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

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		\$170,937.79	
Attorney Fees and Other Matters	\$26,261.50	\$26,261.50	see Estimated Cost Justification WBKI-550-Attorney Fees - Other Matters v2	\$26,181.50	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	\$22,079.99	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

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

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	\$4,637.80	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Project management of the transition	\$94,010.00	\$99,675.00	Per Widelity Quote	\$74,555.80	N/A
Sub-total	\$343,470.50	\$326,785.50	N/A	\$170,937.79	N/A
Total for all systems	\$6,270,915.14	\$5,567,567.09	N/A	\$3,300,289.20	N/A

Components

Actual Information	
Description	File Name
Attorney Fees and Other Matters	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Email with K. Wilkowski re FCC reimbursement issues \$3,505.00</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Legal services \$286.50</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Special Counsel \$852.00</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Review issues re tower construction; email with G. Schroder re same \$1,980.00</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Special Counsel \$90.00</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Special Counsel \$270.00</div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div>Special Counsel \$90.00</div>

	Component Description:	Special Counsel
	Amount:	\$2,730.00
	Component Description:	Email with K. Witkowski and station engineers re FCC repack filings
	Amount:	\$6,748.50
	Component Description:	Special Counsel
	Amount:	\$3,247.00
Structural Engineering Analysis	Component Description:	Special Counsel
	Amount:	\$4,140.00
	Component Description:	Special Counsel
	Amount:	\$810.00
	Component Description:	Conference call and emails with K.
	Amount:	\$1,432.50
Structural Engineering Analysis	Component Description:	Engineering Evaluation /Feasibility Analysis for 944' guyed tower
	Amount:	\$7,500.00
	Component Description:	Structural analysis
	Amount:	\$3,500.00

RF Consultant D. Everist	Component Description: Amount:	Consulting Services \$3,502.12
	Component Description: Amount:	Consulting Engineering Services \$7,618.92
	Component Description: Amount:	Consulting Services \$2,616.22
	Component Description: Amount:	Consulting Services \$3,524.90
	Component Description: Amount:	Consulting Services \$4,817.83
Existing-Tower inspection	Component Description: Amount:	Completion of complete tower inspection services at WBKI TV, formally WMYO TV tower \$5,000.00
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	<div> Component Description: TV MEASUREMENTS AND REPORT PER QUOTATION DATED 9 /4/2018 </div> <div> Amount: \$5,000.00 </div> <div> Component Description: Down Payment for TV measurements and report per quotation </div> <div> Amount: \$7,500.00 </div>
ASR modification (prepare FCC Form 854)	<div> Component Description: WBKI-590-ASR Modification </div> <div> Amount: \$1,110.00 </div>
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	<div> Component Description: NEPA Screening, Detailed Habitat Assessment and GIS Analysis/Mapping of tree removal activities </div> <div> Amount: \$1,650.00 </div>
NEPA Section 106 environmental review, if needed	<div> Component Description: WBKI-590-Environmental Assessment </div> <div> Amount: \$1,000.00 </div>
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 - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description: WBKI-550-Attorney - Prepare and File Construction Permit or License Application (Aux) Amount: \$200.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: WBKI-550-Attorney - Prepare and File Construction Permit Application \$2,837.50 Amount: \$2,837.50
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	Component Description: Professional Services Amount: \$4,637.80
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Project management of the transition	Component Description: Project Management Amount: \$2,080.20 Component Description: Project Management Amount: \$5,313.45

Component Description:	Project Management
Amount:	\$3,613.45

Component Description:	Project Management
Amount:	\$1,902.60

Component Description:	Project Management
Amount:	\$6,773.65

Component Description:	Project Management
Amount:	\$3,570.15

Component Description:	Project Management
Amount:	\$3,990.60

Component Description:	Project Management
Amount:	\$4,981.40

Component Description:	Project Management
Amount:	\$1,713.50

Component Description:	Project Management
Amount:	\$4,378.10

Component Description:	Project Management
Amount:	\$4,320.20

Component Description:	Project Management
Amount:	\$1,481.50

Component Description:	Project Management
Amount:	\$3,406.25

Component Description:	Project Management
Amount:	\$2,716.65

Component Description:	Project Management
Amount:	\$5,290.20

Component Description:	Project Management
Amount:	\$4,648.80

Component Description:	Project Management
Amount:	\$241.75

Component Description:	Project Management
Amount:	\$2,389.55

Component Description:	Project Management
Amount:	\$1,267.90

Component Description:	Project Management
Amount:	\$6,189.80

Component Description:	Project Management
Amount:	\$4,286.10

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	\$59,211.95	\$52,310.95		\$24,015.94	
Heavy Equipment Rental and Delivery	<i>\$12,767.95</i>	\$12,767.95	Per Estimated Cost Justification WBKI-610-Heavy Equipment Rental and Delivery v0	\$12,767.94	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>\$4,364.00</i>	\$4,364.00	Estimated Cost Justification WBKI-610-MVPD Notification v0	\$4,364.00	N/A
Local Zoning	<i>\$7,000.00</i>	\$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	\$4,664.00	see Estimated Cost Justification WBKI-610-DTV Medical Notification v0	\$4,664.00	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
Sub-total	\$59,211.95	\$52,310.95	N/A	\$24,015.94	N/A
Total for all systems	\$6,270,915.14	\$5,567,567.09	N/A	\$3,300,289.20	N/A

Components

Actual Information	Description	File Name
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Heavy Equipment Rental and Delivery	Component Description: 19' Elect Scissorlift Amount: \$4,354.06
	Component Description: 19' Elect Scissorlift Amount: \$4,046.44
	Component Description: 19' Elect Scissorlift Amount: \$4,046.44
	Component Description: Pallet Truck Amount: \$321.00
Project management fees internal	Information not provided.
MVPD Notification of Channel Change	Component Description: Notification of cable and satellite MVPD Providers of new RF Channel Amount: \$3,464.00
	Component Description: WBKI-610-MVPD Notification Amount: \$900.00
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	Component Description: DTV Notification Service Amount: \$4,664.00

Develop and air announcement of upcoming channel change	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	Final Pick Up- Trash \$370.00
	Component Description: Amount:	Dump & Return - Trash \$370.00
	Component Description: Amount:	1 - 20YD Switch Out - Trash \$370.00
	Component Description: Amount:	Serv 001 Roll Off (Trash, Shingle, YWaste, Fill) 1 - 20YD \$370.00
	Component Description: Amount:	1 - 20YD Switch Out - Trash \$370.00
	Component Description: Amount:	Switch Out - Trash \$370.00
Non-zoning permits	Information not provided.	

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$6,270,915.14	\$5,567,567.09
			\$3,300,289.20

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

01/06/2020

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 . <i>Chief Engineer</i></p> <p>01/06/2020</p>

Attachments