



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **61504** | Service: **DTV** | Call **WXCW** | Channel: **32 (UHF)** |
ID: | Sign:
File **0000028559**
Number:
FRN: **0015050008** | Date **11/19**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SUN BROADCASTING, INC.	James Schwartzel 2824 PALM BEACH BOULEVARD FORT MYERS, FL 33916 United States	+1 (239) 479-5524	Jim. Schwartzel@sbroadcast.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
Joseph Belisle <i>Belisle Law Firm PA</i>	PO Box 970620 Miami, FL 33197 United States	+1 (305) 978-7675	joe@belislelaw.com

**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	WXCW plans to relocate from current tower ASR: 1213076 to the WINK tower ASR: 1019724. The proposed antenna will side mount. Engineering studies have confirmed compliance with FCC coverage requirements. See attached.

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	Retune Existing
	Use	Auxiliary (Backup)
	Ownership	Leased
	Owner	Ft Myers Broadcasting Co.
	Is this transmitter currently shared with another station?	Yes
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	Comark

Manufacturer and Type	Model	LPTV-8000
	Year	2015
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	0.5 kW

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

Facility ID	Call Sign
22093	WINK-TV

Auxiliary Transmitter

Retuning Transmitter Costs

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	1.5 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A

	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 Millennium
	Year	2002
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	30 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	HPTV-PRLX- U16
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	27.5 kW
	Justification for New Transmitter	Manufacturer will not retune existing transmitter. (See attached)

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	50.0 feet
	Other Electrical Service	No

	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	375.0 square feet
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
Relocate UPS	Move UPS to new location.
Purchase new UPS	Purchase new UPS
Removal	Removal and disposal of old transmitter.
Relocate Generator	Move Generator to new location.

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	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	Emergency Backup
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	Yes
	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	Class A
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels	2
	Design power capacity in use	100.0 %

Lower Limit	470.00 MHz
Upper Limit	860.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	1.6 kW
Manufacturer	Dielectric
Model	TUA-C2-01 /02M-T
Year	2015

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

Facility ID	Call Sign
22093	WINK-TV

Auxiliary Antenna

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	No

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	

**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?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
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-30 DSC- R3P320BNT
Year	2002

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?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side 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)	900.0 kW
	Manufacturer	

Model	TFU-30 DSC- R3P320BNT
Year	2002
Justification for New Antenna	WXCW plans to relocate to the WINK tower. This will avoid the need for interim facilities for WXCW. (See attached)

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?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for 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.

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	2
	Number of Panels/Bays	24
	Lower Limit	572.00 MHz
	Upper Limit	692.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	567.0 kW
	Manufacturer	
	Model	TFU-24WB- R C160
	Year	2019

	Justification for New Antenna	Temp operation
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**Interim
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?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Interim
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

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?	No
	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 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1550 feet per run

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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1400 feet per run
	Justification for New Transmission Line	Existing stick length not compatible with new channel assignment.

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

**Interim
Transmission Line**

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	4 1/16 inches
	Segment Length	19 ½ '
	Other Segment Length	
	Number of parallel runs	1
	Length	1300 feet per run
	Justification for New Transmission Line	Feed interim antenna used to facilitate tower work.

**Interim
Transmission Line**

Other Transmission Line Expenses Not Listed

Name	Description
Rigid TL 4-50 15 ft to 20 ft	Rigid TL 4-50 15 ft to 20 ft
Elbow 4-50 Digit 7 X 14	Elbow 4-50 Digit 7 X 14
Rigid TL 4-50 5 ft to 10 ft	Rigid TL 4-50 5 ft to 10 ft

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	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	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?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1213076
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	26° 47' 08.7" N-
	Longitude (NAD83)	081° 47' 45.9" W-
	Overall Structure Height	1515.07 feet
	Support Structure Height	1455.03 feet
	Ground Elevation Above Mean Sea Level (AMSL)	28.87 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Towers, LLC
Date Constructed	02/15/2002

**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
174244	WMYE	FM
71580	WRXY-TV	DTV

**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
Minor Modifications	Structural modifications upon removal of antenna/line
Equipment removal	Removal of pre-transition antenna and line

Auxiliary Tower

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Auxiliary (Backup)
	Description of Use	Emergency Backup
	Ownership	Leased
	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?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	26° 39' 05.3" N-
	Longitude (NAD83)	081° 51' 18.3" W-
	Overall Structure Height	201.00 feet
	Support Structure Height	201.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	5.90 feet
	Structure Type	UTOWER - Unguyed - Free Standing Tower

	Tower Owner	Ft. Myers Broadcasting Co.
	Date Constructed	03/23/1954

**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
22093	WINK-TV	DTV

Auxiliary Tower

Tower Rigging Costs

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

Auxiliary Tower

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	80
	Explanation	Oversight of antenna and line removal at pre-transition transmitter facility.
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	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	Yes
	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	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	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	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Attorney Fees - Various	Attorney Fees - Various
Other Engineering Services	Other Engineering 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	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	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
Project Oversight		Employee costs for planning, coordination and supervision.
Tower Space Rental		To facilitate operation during tower work

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	Actual Cost Justification
Primary Transmitter HPTV-PRLX-U16	\$1,264,438.35	\$1,164,416.35		\$115,107.35	
Purchase new UPS	<i>\$115,107.35</i>	\$115,107.35	See attached /uploaded PDF file titled "North Star 23235 v191119jgv1.pdf"	\$115,107.35	N/A
Relocate Generator	<i>\$42,000.00</i>	\$42,000.00	Estimated installation cost of \$37,000 and moving cost of \$5,000.	N/A	N/A
Removal	<i>\$20,000.00</i>	\$20,000.00	Removal and disposal of existing transmitter	N/A	N/A
Relocate UPS	<i>\$25,000.00</i>	\$25,000.00	Electrical connections: 20,000. Moving expense, 5,000. Estimates.	N/A	N/A
Other -- Building Addition Size: 375.0	<i>\$28,731.00</i>	\$28,731.00	See attached response to TV Broadcaster Relocation Fund Administrator	N/A	N/A

5 Ton system	\$20,250.00	\$19,250.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$851,278.00	N/A	\$0.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$2,450.00	N/A	N/A	N/A
Auxiliary Transmitter LPTV-8000	\$108,230.00	\$21,205.00		\$0.00	
UHF and VHF - minor banding issues	\$105,200.00	\$21,205.00	N/A	N/A	N/A
1.5 kW mask filter	\$3,030.00	\$0.00	N/A	N/A	N/A
Sub-total	\$1,372,668.35	\$1,185,621.35	N/A	\$115,107.35	N/A
Total for all systems	\$2,857,195.85	\$2,345,704.05	N/A	\$269,453.83	N/A

Components

Actual Information	
Description	File Name

Purchase new UPS	<p>Component Description: North Star 23235 v191119jgv1</p> <p>Amount: \$115,107.35</p>
Relocate Generator	Information not provided.
Removal	Information not provided.
Relocate UPS	Information not provided.
Other -- Building Addition Size: 375.0	Information not provided.
5 Ton system	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
UHF and VHF - minor banding issues	Information not provided.
1.5 kW mask filter	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
Interim Antenna TFU-24WB- R C160	\$86,970.00	\$83,440.00		\$75,096.00	
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 567 kW input, directional,, horizontally polarized	<i>\$80,240.00</i>	\$80,240.00	N/A	\$72,216.00	N/A
Sweep test of existing antenna	\$6,730.00	\$3,200.00	N/A	\$2,880.00	N/A
Primary Antenna TFU-30 DSC- R3P320BNT	\$249,380.00	\$248,790.00		\$0.00	
UHF - High Power, Side Mount, basic slot antenna, 900 kW input, directional,, elliptically or circularly polarized	<i>\$237,390.00</i>	\$237,390.00	See Attached Response to TV Broadcaster Fund Administrator.	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Auxiliary Antenna TUA-C2-01 /02M-T	\$0.00	\$0.00		\$0.00	
Sub-total	\$336,350.00	\$332,230.00	N/A	\$75,096.00	N/A
Total for all systems	\$2,857,195.85	\$2,345,704.05	N/A	\$269,453.83	N/A

Components

Actual Information	
Description	File Name
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 567 kW input, directional,, horizontally polarized	<div> Component Description: Die MAN01443 Int Ant 45 pct pmt 2 v191114jgv1 Amount: \$36,108.00 </div> <div> Component Description: Die MAN01335 Int Ant 45 pct pmt 1 v191114jgv1 Amount: \$36,108.00 </div>

Sweep test of existing antenna	<div> <div> Component Description: Amount: </div> <div> Die MAN01443 Int Sweep 45 pct pmt 2 v191114jgv1 \$1,440.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Die MAN01335 Int Sweep 45 pct pmt 1 v191114jgv1 \$1,440.00 </div> </div>
UHF - High Power, Side Mount, basic slot antenna, 900 kW input, directional,, elliptically or circularly polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

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
Interim Transmission Line	\$190,216.00	\$73,117.20		\$65,805.48	
Elbow 4-50 Digit 7 X 14	<i>\$3,104.00</i>	\$3,104.00	N/A	\$2,793.60	N/A
Rigid Transmission Line - copper, 4 1/16"	\$184,600.00	\$67,501.20	N/A	\$60,751.08	N/A
Rigid TL 4-50 5 ft to 10 ft	<i>\$1,208.00</i>	\$1,208.00	N/A	\$1,087.20	N/A
Rigid TL 4-50 15 ft to 20 ft	<i>\$1,304.00</i>	\$1,304.00	N/A	\$1,173.60	N/A
Primary Transmission Line	\$282,800.00	\$214,264.00		\$0.00	
Rigid Transmission Line - copper, 6 1/8"	\$282,800.00	\$214,264.00	N/A	N/A	N/A
Sub-total	\$473,016.00	\$287,381.20	N/A	\$65,805.48	N/A
Total for all systems	\$2,857,195.85	\$2,345,704.05	N/A	\$269,453.83	N/A

Components

Actual Information	
Description	File Name

Elbow 4-50 Digit 7 X 14	<table> <tr> <td data-bbox="711 109 1145 322">Component Description:</td><td data-bbox="1145 109 1426 322">Die MAN01443 Int 4-50 Elbow Digit 7 X 14 45 pct pmt 2 v191114jgv1</td></tr> <tr> <td data-bbox="711 322 1145 445">Amount:</td><td data-bbox="1145 322 1426 445">\$1,396.80</td></tr> <tr> <td data-bbox="711 445 1145 658">Component Description:</td><td data-bbox="1145 445 1426 658">Die MAN01335 Int 4-50 Elbow Digit 7 X 14 45 pct pmt 1 v191114jgv1</td></tr> <tr> <td data-bbox="711 658 1145 725">Amount:</td><td data-bbox="1145 658 1426 725">\$1,396.80</td></tr> </table>	Component Description:	Die MAN01443 Int 4-50 Elbow Digit 7 X 14 45 pct pmt 2 v191114jgv1	Amount:	\$1,396.80	Component Description:	Die MAN01335 Int 4-50 Elbow Digit 7 X 14 45 pct pmt 1 v191114jgv1	Amount:	\$1,396.80
Component Description:	Die MAN01443 Int 4-50 Elbow Digit 7 X 14 45 pct pmt 2 v191114jgv1								
Amount:	\$1,396.80								
Component Description:	Die MAN01335 Int 4-50 Elbow Digit 7 X 14 45 pct pmt 1 v191114jgv1								
Amount:	\$1,396.80								
Rigid Transmission Line - copper, 4 1/16"	<table> <tr> <td data-bbox="711 736 1145 927">Component Description:</td><td data-bbox="1145 736 1426 927">Die MAN01443 Int line 45 pct pmt 2 v191114jgv1</td></tr> <tr> <td data-bbox="711 927 1145 1050">Amount:</td><td data-bbox="1145 927 1426 1050">\$30,375.54</td></tr> <tr> <td data-bbox="711 1050 1145 1173">Component Description:</td><td data-bbox="1145 1050 1426 1173">Die MAN01335 Int line 45 pct pmt 1 v191114jgv1</td></tr> <tr> <td data-bbox="711 1173 1145 1274">Amount:</td><td data-bbox="1145 1173 1426 1274">\$30,375.54</td></tr> </table>	Component Description:	Die MAN01443 Int line 45 pct pmt 2 v191114jgv1	Amount:	\$30,375.54	Component Description:	Die MAN01335 Int line 45 pct pmt 1 v191114jgv1	Amount:	\$30,375.54
Component Description:	Die MAN01443 Int line 45 pct pmt 2 v191114jgv1								
Amount:	\$30,375.54								
Component Description:	Die MAN01335 Int line 45 pct pmt 1 v191114jgv1								
Amount:	\$30,375.54								
Rigid TL 4-50 5 ft to 10 ft	<table> <tr> <td data-bbox="711 1285 1145 1509">Component Description:</td><td data-bbox="1145 1285 1426 1509">Die MAN01335 Int Rigid TL 4-50 5 ft to 10 ft 45 pct pmt 1 v191114jgv1</td></tr> <tr> <td data-bbox="711 1509 1145 1632">Amount:</td><td data-bbox="1145 1509 1426 1632">\$543.60</td></tr> <tr> <td data-bbox="711 1632 1145 1823">Component Description:</td><td data-bbox="1145 1632 1426 1823">Die MAN01443 Int Rigid TL 4-50 5 ft to 10 ft 45 pct pmt 2 v191114jgv1</td></tr> <tr> <td data-bbox="711 1823 1145 1901">Amount:</td><td data-bbox="1145 1823 1426 1901">\$543.60</td></tr> </table>	Component Description:	Die MAN01335 Int Rigid TL 4-50 5 ft to 10 ft 45 pct pmt 1 v191114jgv1	Amount:	\$543.60	Component Description:	Die MAN01443 Int Rigid TL 4-50 5 ft to 10 ft 45 pct pmt 2 v191114jgv1	Amount:	\$543.60
Component Description:	Die MAN01335 Int Rigid TL 4-50 5 ft to 10 ft 45 pct pmt 1 v191114jgv1								
Amount:	\$543.60								
Component Description:	Die MAN01443 Int Rigid TL 4-50 5 ft to 10 ft 45 pct pmt 2 v191114jgv1								
Amount:	\$543.60								

Rigid TL 4-50 15 ft to 20 ft	<div> <div> Component Description: Die MAN01335 Int Rigid TL 4-50 15 ft to 20 ft 45 pct pmt 1 v191114jgv1 </div> <div> Amount: \$586.80 </div> </div> <div> <div> Component Description: Die MAN01443 Int Rigid TL 4-50 15 ft to 20 ft 45 pct pmt 2 v191114jgv1 </div> <div> Amount: \$586.80 </div> </div>
Rigid Transmission Line - copper, 6 1/8"	Information not provided.

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
Auxiliary Tower UTOWER	\$84,200.00	\$0.00		\$0.00	
Short Tower (less than 500')	\$84,200.00	\$0.00	N/A	N/A	N/A
Primary Tower GTOWER	\$435,500.00	\$389,450.00		\$0.00	
Minor Modifications	<i>\$150,000.00</i>	\$150,000.00	Tower company advised we make this allowance as modifications expected to be needed upon removal of antenna and line.	N/A	N/A
Equipment removal	<i>\$75,000.00</i>	\$75,000.00	Estimate to remove pre-transition antenna and line upon advice from tower company.	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$164,450.00	As per proposal from tower erector company.	N/A	N/A
Sub-total	\$519,700.00	\$389,450.00	N/A	\$0.00	N/A

Total for all systems	\$2,857,195.85	\$2,345,704.05	N/A	\$269,453.83	N/A
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Components

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	\$68,625.00	\$64,790.00		\$13,445.00	
Other Engineering Services	<i>\$10,000.00</i>	\$10,000.00	Other Engineering Services such as RF calculations, establish transition plans, review structural studies, etc.	\$775.00	N/A
Attorney Fees - Various	<i>\$3,170.00</i>	\$3,170.00	See attached invoices	\$2,520.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$525.00	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$2,000.00	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	\$250.00	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	\$1,175.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,050.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$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	\$1,125.00	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$4,875.00	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	\$12,640.00	\$13,370.00	Estimated cost based on time needed to decommission the pre-transition transmitter site.	\$150.00	N/A

Sub-total	\$68,625.00	\$64,790.00	N/A	\$13,445.00	N/A
Total for all systems	\$2,857,195.85	\$2,345,704.05	N/A	\$269,453.83	N/A

Components

Actual Information Description	File Name
Other Engineering Services	<p>Component Description: KGA 719-05 v191023jgv1</p> <p>Amount: \$775.00</p>
Attorney Fees - Various	<p>Component Description: Emails to gather information about transition plan progress report</p> <p>Amount: \$300.00</p> <p>Component Description: Correspondence with FCC regarding legal bills</p> <p>Amount: \$100.00</p> <p>Component Description: Various research and submission of transition plan progress report</p> <p>Amount: \$250.00</p> <p>Component Description: File Form 377 and email James Schwartzel</p> <p>Amount: \$50.00</p>

Component Description:	Belisle 20171201BLF01 v190913pmv1
Amount:	\$1,370.00

Component Description:	Belisle 20181031BLF02 v190913pmv1
Amount:	\$125.00

Component Description:	File Form 377 and notify James Schwartzel
Amount:	\$50.00

Component Description:	Belisle 20180731BLF01 v190913pmv1
Amount:	\$50.00

Component Description:	Belisle 20190201BLF02 v190913pmv1
Amount:	\$175.00

Component Description:	Belisle 20180201BLF01 v190913pmv1
Amount:	\$250.00

Component Description:	Belisle 20181031BLF01 v190913pmv1
Amount:	\$100.00

	Component Description:	Belisle 20180503BLF01 v190913pmv1
	Amount:	\$50.00
	Component Description:	Belisle 20190201BLF01 v190913pmv1
	Amount:	\$300.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description:	Legal for Schedule 387
	Amount:	\$200.00
	Component Description:	399 Amendment
	Amount:	\$325.00
	Component Description:	Legal modification filing
	Amount:	\$1,370.00
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:	Legal for Form 2100
	Amount:	\$250.00
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description:	TV Relocation Fund Matters
	Amount:	\$1,175.00

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Form 2100 application Amount: \$2,050.00
Prepare request for Special Temporary Authorization	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Preparation of the engineering section of FCC Form 2100. Amount: \$1,125.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit 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	<div> <div> Component Description: Amount: </div> <div> Engineering study work for new channel assignment and antenna development. \$1,125.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Engineering study work for new channel assignment and antenna development. \$1,125.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Engineering study work for new channel assignment and antenna development. \$875.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> DLR inv #243270 Engineering Study Work for New Channel Assignment Development UL20190415RCW1 \$1,750.00 </div> </div>
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	<div> <div> Component Description: Amount: </div> <div> KGA 719-04 v191023jgv1 \$150.00 </div> </div>

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$86,836.50	\$86,231.50		\$0.00	
Tower Space Rental	<i>\$44,546.50</i>	\$44,546.50	See Attached Response TV Broadcaster Relocation Fund Administrator	N/A	N/A
Project Oversight	<i>\$9,600.00</i>	\$9,600.00	Employee cost to cover planning, coordination and oversight.	N/A	N/A
MVPD Notification of Channel Change	<i>\$1,500.00</i>	\$1,500.00	N/A	N/A	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>\$5,000.00</i>	\$5,000.00	Excess cost above salvage for antenna, line and misc. hardware disposal.	N/A	N/A

Non-zoning permits	\$12,000.00	\$12,000.00	Space preparation, electrical, tower work.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	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
Sub-total	\$86,836.50	\$86,231.50	N/A	\$0.00	N/A
Total for all systems	\$2,857,195.85	\$2,345,704.05	N/A	\$269,453.83	N/A

Components

Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$2,857,195.85	\$2,345,704.05
			\$269,453.83

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.

<p>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.</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>Jeffrey C Gehman <i>Engineering Associate</i></p> <p>11/19/2019</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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).	
		<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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <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>Jeffrey C Gehman <i>Engineering Associate</i></p> <p>11/19/2019</p>

Attachments