

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 61504 Service: DTV Call WXCW Channel: 32 (UHF)

Sign:

0000028559

Number:

ID:

File

FRN: **0015050008** Date **05/12**

Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SUN BROADCASTING, INC. Doing Business As: 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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Joseph Belisle Belisle Law Firm PA	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

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

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	
Manufacturer and Type	Model	DCX Millennium
	Year	2002
	Туре	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	ULXTE-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 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
	Туре	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 leashold 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
Installation and Proof	Installation and Proof
Purchase new UPS	Purchase new UPS
FL Sales Tax	FL Sales Tax
Freight	Freight
Electrical	Electrical
RF Accessories	RF Accessories
Removal	Removal and disposal of old transmitter.
Mask Filter System	Mask Filter System

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	UAXTE- 8R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	4.8 kW
	Justification for New Transmitter	A new interim transmitter is required.

Interim 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

	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim

Other Transmitter Cost Not Listed

Transmitter Information not provided.

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	Class	Class A
Manufacturer and Type	Mounting	Side Moun
	Antenna position in stack	Not in Stac
	Polarization	Horizontal
	Туре	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
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	,

Auxiliary Antenna **Other Antenna Cost Not Listed**

Information not provided.

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	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	TFU-30 DSC- R3P320BNT
Year	2002

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	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	900.0 kW
	Manufacturer	

Model	TFU 25 JSC /VP-R 3P320BN
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)

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side 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

Other Antenna Cost Not Listed

Name	Description
Custom mounts	Custom mounts

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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	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 ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

n 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	Manufacturer	
Line Manufacturer and Type	Туре	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

New Transmission Line

Section 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
	Туре	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	1485 feet per run
	Justification for New Transmission Line	Existing stick length not compatible with new channel assignment

Primary

Other Transmission Line Expenses Not Listed

Transmission	Name	Description
	TLSCRs	TLSCRs

Interim

New Transmission Line

Transmission	settion	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	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.

Other Transmission Line Expenses Not Listed

Interim

Transmission Line 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	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1213076
Coordinates (NAD83 (Latitude (NAD83)	26° 47' 08.7" N
North American Datum of 1983))	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	Do you have a tower registration number?	No
Registration	ASR Number	
Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	26° 39' 05.3" N-
1983))	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.

Interim Tower

Tower Construction Costs

Section	Question	Response
Construct New Tower	Use	Interim
	Description of Use	N/A
	Height	1455.00 feet
	Justification for New Tower	No new tower; Just rigging work on the existing tower

Interim Tower

Tower Rigging Costs

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

Interim Tower

Other Tower Expenses Not Listed

Name	Description	
Interim Antenna and Line Installation	Interim Antenna and Line Installation	

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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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 Professiona

Other Professional Services Expenses Not Listed

al	Services Costs	Description	
	Attorney Fees - Various	Attorney Fees - Various	
	Other Engineering Services	Other Engineering Services	

Eng study	and a	ntenna	devel f	or I	nterim
STA					

Eng study and antenna devel for Interim STA

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?	Yes
	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	
Tower Space Rental	To facilitate operation during tower work	
Project Oversight	Employee costs for planning, coordination and supervision.	

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
Interim Transmitter UAXTE-8R44	\$236,500.00	\$184,687.17		\$167,656.31	
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	\$236,500.00	\$184,687.17	See attached / uploaded PDF file titled "Gates JW30004716- 1 v200225jgv1. pdf"	\$167,656.31	N/A
Primary Transmitter ULXTE-50	\$1,141,943.03	\$1,137,643.03		\$827,060.93	
Mask Filter System	\$44,940.43	\$44,940.43	See attached / uploaded PDF file titled "Gates US0332273 v191213jgv1. pdf"	\$44,940.43	N/A
Removal	\$20,000.00	\$20,000.00	Removal and disposal of existing transmitter	N/A	N/A
RF Accessories	\$56,676.88	\$56,676.88	See attached / uploaded PDF file titled "Gates US0332273 v191213jgv1. pdf"	\$56,676.88	N/A

Electrical	\$7,010.46	\$7,010.46	See attached / uploaded PDF file titled "Gates US0332273 v191213jgv1. pdf"	\$7,010.46	N/A
Freight	\$5,900.00	\$5,900.00	See attached / uploaded PDF file titled "Gates US0332273 v191213jgv1. pdf"	N/A	N/A
FL Sales Tax	\$47,519.79	\$47,519.79	See attached / uploaded PDF file titled "Gates US0332273 v191213jgv1. pdf"	\$47,519.79	N/A
Purchase new UPS	\$115,107.35	\$115,107.35	See attached /uploaded PDF file titled "North Star 23235 v191119jgv1. pdf"	\$0.00	N/A
Installation and Proof	\$58,543.75	\$58,543.75	See attached / uploaded PDF file titled "Gates US0332273 v191213jgv1. pdf"	N/A	N/A
Other Building Addition Size: 375.0	\$28,731.00	\$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

3" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$2,450.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$670,913.37	\$670,913.37	N/A	\$670,913.37	N/A
Sub-total	\$1,378,443.03	\$1,322,330.20	N/A	\$994,717.24	N/A
Total for all systems	\$7,026,832.12	\$2,594,372.09	N/A	\$1,673,348.93	N/A

Components

Actual Information Description	File Name	
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	Component Description: Amount:	Gates JW30004716-1 v200225jgv1 \$61,562.39
	Component Description: Amount:	Gates JW30004716-2 v200424jgv1 \$61,562.39
	Component Description: Amount:	Gates US0336417 v200424jgv1 \$44,531.53

Mask Filter System		
	Component Description:	Gates US0332273 Prim TX mask
		filter pmt 1
	Amount:	v200225jgv2
	Amount:	\$44,940.43
Removal	Information not provided.	
RF Accessories		
	Component Description:	Gates US0332273
		Prim TX RF
		access pmt 1
	Amount:	v200225jgv2
	Amount:	\$56,676.88
Electrical		
	Component Description:	Gates US0332273
		Prim TX elec pmt
		1 v200225jgv2
	Amount:	\$7,010.46
Freight	Information not provided.	
FL Sales Tax		
	Component Description:	Gates US0332273
		Prim TX tax pmt 1
		v200225jgv2
	Amount:	\$47,519.79
Purchase new UPS		
	Component Description:	North Star 23235
		v191119jgv1
	Amount:	\$115,107.35
Installation and Proof	Information not provided.	
Other Building Addition	Information not provided.	
Size: 375.0		
5 Ton system	Information not provided.	
3" Rigid Conduit and Wiring	Information not provided.	

Transformer 3 phase/480v - 150 KVA	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	Component Description:	Gates US0332273 Prim TX pmt 1 v200225jgv2
	Amount:	\$670,913.37

Antennas

			Fatimated		
Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-24WB- R C160	\$91,797.70	\$88,267.70		\$87,947.70	
Sweep test of existing antenna	\$6,730.00	\$3,200.00	N/A	\$2,880.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 567 kW input, directional,, horizontally polarized	\$85,067.70	\$85,067.70	See attached / uploaded PDF file titled, "Die ST659004 v200217pmv1".	\$85,067.70	N/A
Primary Antenna TFU 25 JSC /VP-R 3P320BN	\$213,790.00	\$211,884.00		\$186,195.60	
Custom mounts	\$17,520.00	\$17,520.00	See attached /uploaded PDF file titled "Die MAN01334 v191121jgv1. pdf"	\$15,768.00	N/A

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna	\$5,260.00	\$5,000.00	N/A	N/A	N/A
base cost) Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,984.00	See attached /uploaded PDF file titled "Die MAN01334 v191121jgv1. pdf"	\$9,885.60	N/A
UHF - High Power, Side Mount, basic slot antenna, 900 kW input, directional,, elliptically or circularly polarized	\$171,980.00	\$171,980.00	See attached /uploaded PDF file titled "Die MAN01334 v191121jgv1. pdf"	\$154,782.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
Auxiliary Antenna TUA-C2-01 /02M-T	\$0.00	\$0.00		\$0.00	
Sub-total	\$305,587.70	\$300,151.70	N/A	\$274,143.30	N/A
Total for all systems	\$7,026,832.12	\$2,594,372.09	N/A	\$1,673,348.93	N/A

Actual Information Description	File Name	
Sweep test of existing antenna	Component Description: Amount:	Die MAN01335 v200512jgv2 \$1,440.00
	Component Description: Amount:	Die MAN01443 v200512jgv2 \$1,440.00
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 567 kW input, directional,, horizontally polarized	Component Description: Amount:	Die 659004 v200305pmv2 \$8,024.00
	Component Description: Amount:	Die MAN01335 v200512jgv2 \$36,108.00
	Component Description: Amount:	Die MAN01443 v200512jgv2 \$36,108.00
	Component Description: Amount:	Die ST659004 v200217pmv1 \$4,827.70

Custom mounts		
	Component Description:	Die MAN01442
		Prim ant mts 45
		pct pmt 2
		v191121jgv1
	Amount:	\$7,884.00
	Component Description:	Die MAN01334
		Prim ant mts 45
		pct pmt 1
	A	v191121jgv1
	Amount:	\$7,884.00
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, single		
channel, at antenna input,	Component Description:	Die MAN01442
per 6 1/8. feedline (if needed)		Prim elbow 45 pct
needed)		pmt 2 v191121jgv1
	Amount:	\$4,942.80
	Component Description:	Die MAN01334
		Prim elbow 45 pct
	Amount:	pmt 1 v191121jgv1 \$4,942.80
UUT Uieb Dewee Oide		
UHF - High Power, Side Mount, basic slot antenna,	Component Description:	Die MAN01442
900 kW input, directional,,		Prim ant 45 pct
elliptically or circularly		pmt 2 v191121jgv1
polarized	Amount:	\$77,391.00
	Component Description:	Die MAN01334
		Prim ant 45 pct
		pmt 1 v191121jgv1

Sweep test of existing antenna

Component Description: Die MAN01442

Prim sweep 45 pct

pmt 2 v191121jgv1

Amount: \$2,880.00

Component Description: Die MAN01334

Prim sweep 45 pct

pmt 1 v191121jgv1

Amount: \$2,880.00

Transmission Line

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Interim Transmission Line	\$190,402.75	\$73,303.95		\$71,973.21	
Rigid TL 4-50 5 ft to 10 ft	\$1,208.00	\$1,208.00	N/A	\$1,087.20	N/A
Elbow 4-50 Digit 7 X 14	\$3,290.75	\$3,290.75	See attached /uploaded PDF file titled, "Die ST659004 v200217pmv1".	\$3,290.75	N/A
Rigid Transmission Line - copper, 4 1 /16"	\$184,600.00	\$67,501.20	N/A	\$66,421.66	N/A
Rigid TL 4-50 15 ft to 20 ft	\$1,304.00	\$1,304.00	N/A	\$1,173.60	N/A
Primary Transmission Line	\$303,898.00	\$220,145.60		\$198,131.04	
Rigid Transmission Line - copper, 6 1/8"	\$299,970.00	\$216,217.60	See attached /uploaded PDF file titled "Die MAN01334 v191121jgv1. pdf"	\$194,595.84	N/A
TLSCRs	\$3,928.00	\$3,928.00	See attached /uploaded PDF file titled "Die MAN01334 v191121jgv1. pdf"	\$3,535.20	N/A

Sub-total	\$494,300.75	\$293,449.55	N/A	\$270,104.25	N/A
Total for all systems	\$7,026,832.12	\$2,594,372.09	N/A	\$1,673,348.93	N/A

•		
Actual Information Description	File Name	
Rigid TL 4-50 5 ft to 10 ft	Component Description: Amount:	Die MAN01335 v200512jgv2 \$543.60
	Component Description: Amount:	Die MAN01443 v200512jgv2 \$543.60
Elbow 4-50 Digit 7 X 14	Component Description: Amount:	Die 659004 v200305pmv2 \$310.40
	Component Description: Amount:	Die MAN01335 v200512jgv2 \$1,396.80
	Component Description: Amount:	Die MAN01443 v200512jgv2 \$1,396.80
	Component Description: Amount:	Die ST659004 v200217pmv1 \$186.75

Rigid Transmission Line - copper, 4 1/16"		
ээрэн, т.,, т.	Component Description:	Die 659004
	Amount:	v200305pmv2 \$1,609.32
	Amount	Ψ1,000.02
	Component Description:	Die MAN01335
		v200512jgv2
	Amount:	\$30,375.54
	Component Description:	Die MAN01443
		v200512jgv2
	Amount:	\$30,375.54
	Component Description:	Die ST659004
		v200217pmv1
	Amount:	\$4,061.26
Rigid TL 4-50 15 ft to 20 ft		
	Component Description:	Die MAN01335
		v200512jgv2
	Amount:	\$586.80
	Component Description:	Die MAN01443
		v200512jgv2
	Amount:	\$586.80
Rigid Transmission Line - copper, 6 1/8"		
copper, 6 1/6	Component Description:	Die MAN01442
		Prim line 45 pct
	Amount:	pmt 2 v191121jgv1 \$97,297.92
	Amount	ΨΟΙ ,ΣΞΙ .ΞΣ
	Component Description:	Die MAN01334
		Prim line 45 pct
	Amazinti	pmt 1 v191121jgv1
	Amount:	\$97,297.92

Component Description:

Die MAN01442
Prim TLSCRs 45
pct pmt 2
v191121jgv1
Amount:

\$1,767.60

Component Description:

Die MAN01334
Prim TLSCRs 45
pct pmt 1
v191121jgv1
Amount:
\$1,767.60

Tower Equipment and Rigging Costs

Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Co Justificati
Primary Tower GTOWER	\$435,500.00	\$389,450.00		\$0.00	
Tall Tower (greater than 500')	\$210,500.00	\$164,450.00	As per proposal from tower erector company.	N/A	N/A
Equipment removal	\$75,000.00	\$75,000.00	Estimate to remove pretransition antenna and line upon advice from tower company.	N/A	N/A
Minor Modifications	\$150,000.00	\$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
Interim Tower	\$4,156,989.14	\$119,839.14		\$119,839.14	
Tall Tower (greater than 500')	\$210,500.00	\$0.00	N/A	N/A	N/A

New tower between 1000' and 1500' without elevator, presumptive soil conditions	\$3,826,650.00	\$0.00	N/A	N/A	N/A
Interim Antenna and Line Installation	\$119,839.14	\$119,839.14	See attached /uploaded PDF files titled "ERI WINK-300 v200225jgv2. pdf", "ERI WINK-37231 v200206jgv1. pdf" and "ERI WINK-55466 v200428jgv1. pdf"	\$119,839.14	N/A
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
Sub-total	\$4,676,689.14	\$509,289.14	N/A	\$119,839.14	N/A
Total for all systems	\$7,026,832.12	\$2,594,372.09	N/A	\$1,673,348.93	N/A

Actual Information Description	File Name
Tall Tower (greater than 500')	Information not provided.
Equipment removal	Information not provided.
Minor Modifications	Information not provided.

Tall Tower (greater than 500')	Information not provided.	
New tower between 1000' and 1500' without elevator, presumptive soil conditions	Information not provided.	
Interim Antenna and Line Installation		
	Component Description:	ERI WINK-3723 v200206jgv1
	Amount:	\$45,217.60
	Component Description:	ERI WINK-300
	Amount:	v200225jgv2 \$56,522.00
	Component Description:	ERI WINK-5546
		v200428jgv1
	Amount:	\$18,099.54
Short Tower (less than 500')	Information not provided.	

Outside Professional Services

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Outside Professional Services	\$69,375.00	\$67,320.00		\$14,545.00	
Other Engineering Services	\$10,000.00	\$10,000.00	Other Engineering Services such as RF calculations, establish transition plans, review structural studies, etc.	\$775.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$750.00	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
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
Eng study and antenna devel for Interim STA	\$750.00	\$750.00	See attached / uploaded PDF file titled "DLR 243827 v191209jgv1. pdf"	\$750.00	N/A
Attorney Fees - Various	\$3,170.00	\$3,170.00	See attached invoices	\$2,120.00	N/A
Project management of the transition	\$12,640.00	\$15,150.00	Estimated cost based on time needed to decommission the pre- transition transmitter site.	\$150.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Sub-total	\$69,375.00	\$67,320.00	N/A	\$14,545.00	N/A
Total for all systems	\$7,026,832.12	\$2,594,372.09	N/A	\$1,673,348.93	N/A

•		
Actual Information Description	File Name	
Other Engineering Services	Component Description: Amount:	KGA 719-05 v191023jgv1 \$775.00
Prepare request for Special Temporary Authorization	Component Description: Amount:	DLR 243946 v200214pmv1 \$750.00
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: Amount:	Preparation of the engineering section of FCC Form 2100. \$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 Engineering study **Component Description:** assignment and antenna work for new development channel assignment and antenna development. \$1,125.00 Amount: **Component Description:** Engineering study work for new channel assignment and antenna development. Amount: \$1,125.00 **Component Description:** DLR inv #243270 **Engineering Study** Work for New **Channel Assignment** Development UL20190415RCW1 Amount: \$1,750.00 **Component Description:** Engineering study work for new channel assignment and antenna development.

Amount: \$875.00

Address transition timing and coordination issues w/ other stations and wireless

Information not provided.

Attorney Fees - Prepare and File request for Special Temporary	Component Description:	Legal for Schedule 387
Authorization	Amount:	\$200.00
	Component Description: Amount:	399 Amendment \$325.00
	Component Description: Amount:	Legal modification filing \$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: Amount:	Legal for Form 2100 \$250.00
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description: Amount:	TV Relocation Fund Matters \$1,175.00
Attorney Fees - Prepare and File FCC Form 2100		
(main), Construction Permit Application	Component Description: Amount:	Form 2100 application \$2,050.00
Eng study and antenna devel for Interim STA		
20.0.10	Component Description: Amount:	DLR 243827 v191209jgv1 \$750.00
Attorney Fees - Various	Amount.	ψ1 30.00

Component Description: Correspondence

with FCC regarding

legal bills

Amount: \$100.00

Component Description: Belisle

20171201BLF01

v190913pmv1

Amount: \$1,370.00

Component Description: File Form 377 and

notify James Schwartzel

Amount: \$50.00

Component Description: Various research

and submission of transition plan progress report

Amount: \$250.00

Component Description: File Form 377 and

email James Schwartzel

Amount: \$50.00

Component Description: Emails to gather

information about transition plan progress report

Amount: \$300.00

Component Description: Belisle

20180731BLF01

v190913pmv1

Amount: \$50.00

Component Description: Belisle

20190201BLF02 v190913pmv1-Not

Reimb

Amount: N/A

Component Description: Belisle

20181031BLF02

v190913pmv1

Amount: \$125.00

Component Description: Belisle

20181031BLF01

v190913pmv1

Amount: \$100.00

Component Description: Belisle

20180503BLF01

v190913pmv1

Amount: \$50.00

Component Description: Belisle

20190201BLF01

v190913pmv1

Amount: \$300.00

Component Description: Belisle

20180201BLF01

v190913pmv1

Amount: \$250.00

the transition		
	Component Description:	Gates US0334090
		v200211pmv1
	Amount:	\$15,000.00
	Component Description:	KGA 719-04
		v191023jgv1
	Amount:	\$150.00

Other Expenses

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$102,436.50	\$101,831.50		\$0.00	
Tower Space Rental	\$44,546.50	\$44,546.50	See Attached Response TV Broadcaster Relocation Fund Administrator	N/A	N/A
MVPD Notification of Channel Change	\$1,500.00	\$1,500.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$1,000.00	\$1,000.00	N/A	N/A	N/A
Equipment Storage	\$15,600.00	\$15,600.00	See attached / uploaded PDF file titled "Die ship to storage quote.pdf"	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$5,000.00	\$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
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	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
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Project Oversight	\$9,600.00	\$9,600.00	Employee cost to cover planning, coordination and oversight.	N/A	N/A
Sub-total	\$102,436.50	\$101,831.50	N/A	\$0.00	N/A
Total for all systems	\$7,026,832.12	\$2,594,372.09	N/A	\$1,673,348.93	N/A

Information not provided.

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$7,026,832.12	\$2,594,372.09	\$1,673,348.93

Reimbursem	enrestiatus	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

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 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 abovenamed applicant for the Authorization(s) specified above. Jeffrey C Gehman Engineering Associate

05/12/2020

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Jeffrey C Gehman Engineering Associate

05/12/2020

Attachments