



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **11909** | Service: **DTV** | Call **WFOX-TV** | Channel: **14 (UHF)** |
ID:
File **0000027858**
Number:
FRN: **0022027601** | Date **02/22**
Submitted: **/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
COX TELEVISION JACKSONVILLE, LLC	General Manager 11700 CENTRAL PARKWAY, UNIT 2 JACKSONVILLE, FL 32224 United States	+1 (904) 996-0400	generalmanager@actionnewsjax.com	Limited Liability Company

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
James Patrick McGue <i>Cox Television Jacksonville, LLC</i>	J McGue 11700 Central Parkway, Unit 2 Jacksonville, FL 32277 United States	+1 (904) 928-8020	jmcgue@actionnewsjax.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	Site test for Ch. 14. Remediate PIM. Install three channel combiner (14, 19, 32). Replace DCX 2H Ch32, with Gates ULXTE-50 Ch14 w/ PLMR filter Optimize line and antenna for 14, 19 & 32 Convert existing Gates ULXT Ch32 to Ch14 w/PLMR filter.

Transmitters

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	Retune Existing
	Use	Primary (Main)
	Ownership	Owned
	Owner	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	Gates
	Model	ULXT

Year	2015
Type	Solid State
Solid State Cooling	Liquid Cooled
Solid State Power capacity	35.1 kW

Primary Transmitter

Retuning Transmitter Costs

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	60 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

Primary 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

Primary Transmitter **Other Transmitter Cost Not Listed**
Information not provided.

**Auxiliary
Transmitter****Add Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	backup
	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	DCX2H
	Year	2001
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 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?	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	16 year old Comark tube transmitter is not possible to retune per manufacturer; see attachment

**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	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes

	Description	400A 208 service, conduit & wiring
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	10

Auxiliary Transmitter **Other Transmitter Cost Not Listed**
Information not provided.

Antennas

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

**Primary
Antenna****Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	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?	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	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels	5
	Design power capacity in use	50.0 %
	Lower Limit	470.00 MHz

Upper Limit	698.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	1542.0 kW
Manufacturer	dielectric
Model	tuc-p5-12
Year	2001

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

Facility ID	Call Sign
35576	wjax-tv
11909	wfox-tv

**Primary
Antenna**

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

**Primary
Antenna**

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A

**Enter a list of RF channel
numbers.**

RF Channel Number
19
14
32

**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

Primary Transmission Line**Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	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	Dielectric
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	1020 feet per run

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

Facility ID	Call Sign
35576	wjax-tv
11909	wfox-tv

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
optimize line	Tower has Dielectric Digi line with tunable elbows that will need to be optimized for new channel

**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**

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	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	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1235223
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	30° 16' 51.9" N-
	Longitude (NAD83)	081° 34' 12.2" W-
	Overall Structure Height	1042.97 feet
	Support Structure Height	925.84 feet
	Ground Elevation Above Mean Sea Level (AMSL)	7.87 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	SBA Towers II LLC
Date Constructed	01/19/2006

**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
4754	WJKF-CD	DTV
35576	WJAX-TV	DTV
29728	WQIK-FM	FM
11909	WFOX-TV	DTV
51975	WJBT	FM
51974	WWJK	FM
73125	WJCT-FM	FM
67243	WKSL	FM
73130	WJCT	DTV

Other Types of Users

Users
KNJY504 AMBULAN

**Primary
Tower**

Tower Modification Costs

Section	Question	Response
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Engineering Study	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

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
PIM REMEDIATION	Tower must be inspected and rust removed and components replaced to prevent Passive Intermodulation due to Channel 14 assignment. Tower crew to examine tower for sources of PIM and replace components as needed to reduce existence of PIM

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	No
	Number of Hours	N/A
	Explanation	N/A
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	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	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	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	5
	Justification	Tower site inspected for Passive Intermodulation generation and sources identified

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
CH14 testing engineering	MWG will determine steps necessary to prevent interference with land mobile

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	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	No
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?	Yes
	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
Legal Services for phase change and waiver	WFOX was unable to remediate PLMR interference before Phase 7 and before phase 10 requiring a waiver to stay on our preauction channel until Aug 25th
Main site AC replacement	The supplemental AC system at site is over 25 years old & uses R22 and is no longer serviceable; additional duct work is also needed
PLMR Notification	Notify all PLMR licensees of our impending broadcasting on CH14
PLMR interference abatement	Improve the reception selectivity and amplifier dynamic range at the various PLMR sites within 65km of WFOX
Rental Forklift	Fork and man lifts rented to load, unload and install repack components for WFOX

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 ULXT	\$262,960.00	\$330,000.00		\$164,754.77	
60 kW mask filter	\$89,400.00	\$165,000.00	CH14 mask filter included in channel change quote Q-80264; Total cost to change ULXT from CH32 to CH14 is 164,754.77. Increased from the original quote for freight, tax and a need to have the filter shipped in two pieces & to be tuned on site	\$164,754.77	N/A
Additional field engineering time, 10-30 days	\$63,100.00	\$60,000.00	ch14 testing	N/A	N/A
RF Consulting Engineer	\$5,260.00	\$5,000.00	N/A	N/A	N/A
UHF and VHF - minor banding issues	\$105,200.00	\$100,000.00	CH14	N/A	N/A
Auxiliary Transmitter ULXTE-50	\$2,118,910.00	\$1,883,674.66		\$1,045,319.99	

Additional field engineering time, 10-30 days	\$63,100.00	\$60,000.00	Federal Engineering will conduct a CH14 to land mobile interference study to identify sites and frequencies that need protection	N/A	N/A
RF Consulting Engineer	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Other Electrical Service: 400A 208 service, conduit & wiring	\$38,000.00	\$38,000.00	N/A	\$26,862.00	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$1,040,000.00	\$1,040,000.00	This is the manufacturers quote and includes the CH14 mask filter	\$302,083.33	N/A

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$716,374.66	***System Notice: Estimate adjusted and locked because line has been superseded. ***ULXTE-50; number is manufacturer's quote Includes CH14 mask filter system (\$91,986.04)	\$716,374.66	N/A
Sub-total	\$2,381,870.00	\$2,213,674.66	N/A	\$1,210,074.76	N/A
Total for all systems	\$4,221,455.00	\$3,708,889.66	N/A	\$2,367,410.53	N/A

Components

Actual Information	
Description	File Name

60 kW mask filter

Component Description: final invoice for conversion including freight, tax and filter site tune.

Amount: \$41,433.68

Component Description: This is the 2nd of 3 payments to Gates Air for the ULXT channel conversion, includes mask filter

Amount: \$47,586.89

Component Description: This is the 1st of 3 payments to Gates Air for the ULXT channel conversion; includes mask filter

Amount: \$47,586.89

Component Description: This is a balance due invoice from Gates Air for the ULXT channel conversion, includes mask filter

Amount: \$28,147.31

Component Description: Forklift used to move Ch14 filter for installation with the ULXT conversion

Amount: N/A

Additional field engineering time, 10-30 days	Information not provided.
RF Consulting Engineer	Information not provided.
UHF and VHF - minor banding issues	Information not provided.
Additional field engineering time, 10-30 days	Information not provided.
RF Consulting Engineer	Information not provided.
Other Electrical Service: 400A 208 service, conduit & wiring	<div> <div> Component Description: </div> <div> This is the cost for labor and materials for the electrical service for the main ULXTE-50 transmitter </div> </div> <div> Amount: </div> <div> \$26,862.00 </div>
Transformer 3 phase/480v - 150 KVA	Information not provided.

UHF - Liquid Cooled Solid
State Transmitter 31.7 kW

Component Description:

Forklift used to
move ULXTE
from Storage
room to
Transmitter room
for installation &
filter replacement
N/A

Amount:

Component Description:

This is for the
forklift used to
unload the
ULXTE transmitter
N/A

Amount:

Component Description:

Scissor lift used
for ULXTE
installation;
electrical and
combiner
N/A

Amount:

Component Description:

Final payment for
Gates Air ULXTE-
50; amount
reflects spares
and tax removed
from total
\$302,083.33

Amount:

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description:	This is the one third deposit paid to Gates Air Inc for the ULXTE-50
	Amount:	\$375,615.09
	Component Description:	Third payment to Gates Air for ULXTE
		transmitter; freight and installation to be invoiced separately
	Amount:	N/A
	Component Description:	second installment payment of 1/3 for main transmitter
	Amount:	\$340,759.57

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 tuc-p5-12	\$90,930.00	\$118,400.00		\$103,900.15	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$112,000.00	Total cost to install the new combiner; \$77000 for the combiner itself; ~10000 in RF components to fit into system and ~25,000 for Gates Air to do the installation.	\$103,900.15	Total cost to purchase and install the combiner; \$77000 for the combiner \$10490.35 for the install components \$24114.80 for Gates Air to do the install
Sub-total	\$90,930.00	\$118,400.00	N/A	\$103,900.15	N/A
Total for all systems	\$4,221,455.00	\$3,708,889.66	N/A	\$2,367,410.53	N/A

Components

Actual Information Description	File Name
Sweep test of existing antenna	Information not provided.

New combiner, cost per
channel (without antenna)

Component Description:	These are the components needed to install the combiner into our system
Amount:	\$10,057.04

Component Description:	This is for services rendered by Gates Air to install the channel combiner
Amount:	\$24,114.80

Component Description:	This is invoice 1 of 4 for the parts needed to install the channel combiner
Amount:	\$5,884.60

Component Description:	This is the down payment for the 3 channel combiner
Amount:	\$34,650.00

Component Description:	This is invoice 2 of 4 for parts needed to install the combiner
Amount:	\$2,966.41

Component Description:	This is the second payment for the 3 channel combiner
Amount:	\$34,650.00

Component Description:

This is invoice 4 of
4 for the parts
needed to install
the channel
combiner

Amount:

\$283.34

Component Description:

This is invoice 3 of
4 for the parts
needed to install
the channel
combiner

Amount:

\$1,351.00

Cost
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$6,400.00	\$6,400.00		\$0.00	
optimize line	<i>\$6,400.00</i>	\$6,400.00	match line to new channels	N/A	N/A
Sub-total	\$6,400.00	\$6,400.00	N/A	\$0.00	N/A
Total for all systems	\$4,221,455.00	\$3,708,889.66	N/A	\$2,367,410.53	N/A

Components

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
Primary Tower GTOWER	\$823,500.00	\$435,000.00		\$432,622.00	
Tall Tower (greater than 500')	\$210,500.00	\$0.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$0.00	N/A	N/A	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$0.00	N/A	N/A	N/A

PIM REMEDATION	\$435,000.00	\$435,000.00	Due to Tower owner requirements original crew replaced with Schrader Tower Services Tower crew to examine tower for sources of PIM and replace components as needed to reduce existence of PIM :SEE ATTACHMENT	\$432,622.00	The origin tower cre for the PII remediatic was unab to meet th tower owners insurance vetting requiremei due to a previous accident Schrade was the or tower cre we could g to do the work befo our origin cut over d: that SBA accepte
Sub-total	\$823,500.00	\$435,000.00	N/A	\$432,622.00	N/A
Total for all systems	\$4,221,455.00	\$3,708,889.66	N/A	\$2,367,410.53	N/A

Components

Actual Information	
Description	File Name
Tall Tower (greater than 500')	Information not provided.
Minor tower reinforcement /modifications	Information not provided.
Structural engineering tower load study for a documented tower with candelabra	Information not provided.

PIM REMEDIATION

Component Description:

This is for overages charged by Scrader due to night work, weather delays and tower owner delays, corrected per diem

Amount:

\$76,125.00

Component Description:

Second payment to Schrader for PIM remediation of SBA tower

Amount:

\$178,248.50

Component Description:

THis is th edown payment for Schrader Broadcast Services to do the PIM remediation on the SBA tower

Amount:

\$178,248.50

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	\$248,390.00	\$265,650.00		\$174,388.16	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$8,925.00	RF Analysis
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	\$673.20	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$10,400.00	Based on invoices and extra work needed to look into land mobile interference we have raised the estimate	\$10,387.50	antenna plots & 1 study
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	\$22,000.00	This is actual cost for legal and engineering advisement & documentation per invoices	\$21,914.50	Due to tl complex of movir to CH1. we requir addition engineer and leg; assistan
CH14 testing engineering	\$83,000.00	\$83,000.00	MWG will determine steps necessary to prevent interference with land mobile. Additionally Federal Engineering will perform a Land Mobile interference study to determine which of the ~3000 Land Mobile licenses will need remediation	\$82,289.76	N/A
Additional Field Engineering Service, 5 Days	\$52,000.00	\$52,000.00	Tower site inspected for Passive Intermodulation generation and sources identified	\$47,615.00	Once th initial PI testing w done it w determin that a visual daytime inspectic of the tower w; needed (tower ki 2.pdf); th increase the cost \$6432.5

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,383.20	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$1,200.00	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
Sub-total	\$248,390.00	\$265,650.00	N/A	\$174,388.16	N/A
Total for all systems	\$4,221,455.00	\$3,708,889.66	N/A	\$2,367,410.53	N/A

Components

Actual Information
Description

File Name

Comprehensive coverage verification via field study, if needed	Component Description:	RF analysis
	Amount:	\$1,350.00
	Component Description:	RF analysis
	Amount:	\$1,882.50
	Component Description:	RF Analysis
	Amount:	\$2,857.50
	Component Description:	RF analysis
	Amount:	\$2,835.00
Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description:	analyze & advise review tower lease agreement for repack
	Amount:	\$673.20
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description:	antenna plots & tv study
	Amount:	\$1,740.00
	Component Description:	antenna plots & TV study
	Amount:	\$8,647.50
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form		

Component Description:	A&A-Update FCC database account for WFOX for preparation of repack application; research regarding accuracy of license coordinates for WFOX-TV tower for auction repack; FCC repack reimbursement process for WFOX and auction timing
Amount:	\$729.10

Component Description:	A&A- Review FCC Form 399 draft Emails regarding FCC Form 399 draft prepare overview of FCC Form 399 reimbursement process
Amount:	\$1,720.40

Component Description:	A&A- Prepare correspondence regarding WJAX post-auction repack letter Telephone conference with S. Emery re updating LMS database prior to post-auction repack
Amount:	\$361.80

Component Description:	A&A-fact gathering- Further edits to draft Form 399 and finalize and submit same review exhibits regarding FCC Form 399
Amount:	\$3,552.60

Component Description:	Advise on FCC 399 & 399 response
Amount:	\$9,525.00

Component Description:	A&A-Research & Review & emails regarding revised materials FCC Form 399 questions; prepare draft Form 399 amendment in LMS database
Amount:	\$3,742.60

Component Description:	A&A- Research & emails regarding FCC post-auction channel reassignment public notice Prepare initial draft repack application
Amount:	\$820.40

Component Description:	advise on 399
Amount:	\$225.00

	<p>Component Description: A&A-Research /Review & emails: regarding FCC repack applications & status --\$224.40 credit</p> <p>Amount: \$1,237.60</p>
CH14 testing engineering	<p>Component Description: Down payment for land mobile interference study</p> <p>Amount: \$11,770.00</p> <p>Component Description: This is the final payment to Federal Engineering for the PLMR interference study; the quoted cost was \$41770.00 and the actual total was 41067.5.</p> <p>Amount: \$15,945.00</p> <p>Component Description: 2nd payment to Federal Engineering for the land mobile interference study</p> <p>Amount: \$13,422.50</p> <p>Component Description: 1st overnight testing of land mobile interference</p> <p>Amount: \$1,800.00</p> <p>Component Description: Time for MWG for initial WFOX PIM testing</p> <p>Amount: \$23,857.50</p>

	Component Description:	Inside coax with directional coupler; Used by MWG for initial PIM testing
	Amount:	\$4,370.00
	Component Description:	Expenses & Materials for MWG for PIM testing and site visit
	Amount:	\$11,124.76
Additional Field Engineering Service, 5 Days	Component Description:	SOW: Rig tower and prepare for night work, Terminate 7 inch line and set up probe, Move probe around per engineer, remove termination and bring down to the ground; Line sweep, install connectors on transmission line.
	Amount:	\$25,840.00
	Component Description:	Inside coax with directional coupler; Used by MWG for initial PIM testing
	Amount:	N/A

Component Description:

TOWER SERVICE
Mobilization and
inspection of PIM
on ground up to
400 foot. Inspection
of 12 Bay antenna
with Report. 51
man hours x \$120;
5 Travel Hours x
\$75 per hour; 2
night per diem x
\$140

Amount:

\$6,775.00

Component Description:

Network analysis of
transmission
system to
determine suitability
on ch14. Assist
MWG with PIM
testing. Test of
filters in shop.

Amount:

\$15,000.00

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="694 100 1085 403"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1085 100 1428 403"> <p>A & A - Calls, email & preparation of FCC construction permit filings</p> <p>\$1,158.80</p> </td></tr> <tr> <td data-bbox="694 403 1085 705"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1085 403 1428 705"> <p>A&A-Email with D. Siegler FCC construction permit filing process</p> <p>\$149.60</p> </td></tr> <tr> <td data-bbox="694 705 1085 1220"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1085 705 1428 1220"> <p>Analysis and advise - Preparation of email to J. Kauffman, A. Hall and D. Siegler regarding FCC post-auction letters concerning construction</p> <p>\$74.80</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>A & A - Calls, email & preparation of FCC construction permit filings</p> <p>\$1,158.80</p>	<p>Component Description:</p> <p>Amount:</p>	<p>A&A-Email with D. Siegler FCC construction permit filing process</p> <p>\$149.60</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Analysis and advise - Preparation of email to J. Kauffman, A. Hall and D. Siegler regarding FCC post-auction letters concerning construction</p> <p>\$74.80</p>
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<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<table> <tr> <td data-bbox="694 1220 1085 1433"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1085 1220 1428 1433"> <p>CP engineering</p> <p>\$1,200.00</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>CP engineering</p> <p>\$1,200.00</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>CP engineering</p> <p>\$1,200.00</p>						
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Information not provided.</p>						

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	\$670,365.00	\$669,765.00		\$446,425.46	
Rental Forklift	<i>\$5,000.00</i>	\$5,000.00	cost to rent a forklift / man lift for loading unloading and installing transmitter components	\$4,777.84	N/A
PLMR interference abatement	<i>\$405,775.00</i>	\$405,775.00	Estimate determined from Murphy Comm quote to test 323 sites and install equipment at 100 \$115,175 plus required hardware for abatement at 100 sites	\$230,893.90	N/A
PLMR Notification	<i>\$11,400.00</i>	\$11,400.00	Notification of PLMR licensees within 65km of WFOX's impending CH14 broadcasting	\$4,700.00	N/A

Main site AC replacement	\$12,695.00	\$12,695.00	the supplemental AC system at the main site was installed in 1994 and uses R22, it is no longer serviceable additional duct work is needed to get the air to the location of the new transmitter	N/A	N/A
MVPD Notification of Channel Change	\$2,500.00	\$2,500.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$5,000.00	\$5,000.00	possible coordination issues may require storage	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
Equipment Storage	\$5,000.00	\$5,000.00	possible coordination issues may require storage	N/A	N/A
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	N/A	N/A	N/A

Legal Services for phase change and waiver	\$205,000.00	\$205,000.00	This is for legal services provided to WFOX by Cooley LLP related to our phase change and waiver. These services were related to extending the construction period for WFOX beyond phase 10.	\$203,963.33	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$2,500.00	\$2,500.00	glycol and beam supply disposal	\$2,090.39	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	\$11,000.00	N/A	N/A	N/A
Sub-total	\$670,365.00	\$669,765.00	N/A	\$446,425.46	N/A
Total for all systems	\$4,221,455.00	\$3,708,889.66	N/A	\$2,367,410.53	N/A

Components

Actual Information
Description

File Name

Rental Forklift	<div data-bbox="722 174 1361 405"> <p>Component Description: Forklift used to move CH14 filter for installation with the ULXT conversion</p> <p>Amount: \$742.21</p> </div> <div data-bbox="722 512 1345 743"> <p>Component Description: Scissor lift used for ULXTE installation; electrical and combiner</p> <p>Amount: \$872.27</p> </div> <div data-bbox="722 851 1377 1001"> <p>Component Description: Forklift used to unload the ULXTE transmitter</p> <p>Amount: \$748.63</p> </div> <div data-bbox="722 1108 1366 1379"> <p>Component Description: forklift used to move ULXTE from storage to transmitter room for installation & filter replacement</p> <p>Amount: \$2,414.73</p> </div>
PLMR interference abatement	<div data-bbox="722 1520 1366 1751"> <p>Component Description: This was for the tower crew to install a MFC custom filter box on the SBA tower</p> <p>Amount: \$8,640.00</p> </div> <div data-bbox="722 1859 1377 2089"> <p>Component Description: This is for additional parts for the two custom filters for CH14 interference</p> <p>Amount: \$3,100.00</p> </div>

Component Description:	high lift crew needed to install MFC TTA box at Newton Road American Tower site
Amount:	\$34,815.00

Component Description:	This is for the parts needed for the MFC filter install at the Anders Blvd tower including new line and antenna
Amount:	\$11,927.68

Component Description:	This was for one night of interference testing at the American tower site on Newton Road in Jacksonville
Amount:	\$1,800.00

Component Description:	A third tower site was determined to be susceptible to interference and a third MFC box was ordered; this is the invoice for that box
Amount:	\$31,640.00

Component Description: First crew to attempt MFC TTA install at Newton Road American Tower site; quote added

Amount: \$6,784.00

Component Description: Payment for 2x prototype filters for two closest towers to SBA for land mobile protection

Amount: \$32,816.00

Component Description: 10 CH14 Band Stop filters to be used on PLMR sites susceptible to CH14 interference

Amount: \$8,250.00

Component Description: A low PIM antenna was ordered for the SBA tower but not received when the MFC box was installed This was for the tower crew to install the antenna and remove original TTA

Amount: \$7,560.00

Component Description:	Federal Engineering was retained to assist in the mitigation process to help insure all potential PLMR licencees were addressed this is the invoice for June 2020
Amount:	\$27,926.25

Component Description:	PLMR antenna purchased for the Newton Road American Tower site
Amount:	\$3,036.30

Component Description:	Parts purchased by MWG for the MFC TTA units; corrected
Amount:	\$17,693.67

Component Description:	CH14 blocking filter installation services for PLMR user BCBS
Amount:	\$375.00

Component Description:	This is for the mechanical installation of the MFC TTA, line and antenna at the Anders Blvd tower
Amount:	\$11,100.00

	<p>Component Description:</p> <p>Federal Engineering was retained to assist in the mitigation process to help insure all potential PLMR licencees were addressed this is the invoice for May 2020</p> <p>Amount:</p> <p>\$23,430.00</p>
PLMR Notification	<p>Component Description:</p> <p>Provided notifications to and a data base of PLMR users that may be affected by our channel change</p> <p>Amount:</p> <p>\$4,700.00</p>
Main site AC replacement	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
Equipment Storage	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Legal Services for phase change and waiver	

Component Description:	Legal services from 8-2-2020 to 8-26-2020 related to phase change and waiver to remain on pre auction channel past phase 10
Amount:	\$32,629.60

Component Description:	Legal services on 3-26-2020 related to phase change and waiver to remain on pre auction channel past phase 10
Amount:	\$690.40

Component Description:	Legal services from 12-19-2020 to 1-13-2020 related to phase change and waiver to remain on pre auction channel past phase 10
Amount:	\$8,182.30

Component Description:	Legal services from 6-1-2020 to 6-30-2020 related to phase change and waiver to remain on pre auction channel past phase 10
Amount:	\$113,199.20

Component Description:	Legal services from 6-25-2020 to 7-31-2020 related to phase change and waiver to remain on pre auction channel past phase 10
Amount:	\$37,459.63

Component Description:	Legal services from 4-1-2020 and 4-30-2020 related to phase change and waiver to remain on pre auction channel past phase 10
Amount:	\$2,220.30

Component Description:	Legal services from 5-22-2020 to 5-29-2020 related to phase change and waiver to remain on pre auction channel past phase 10
Amount:	\$9,209.30

Component Description:	Legal services from 1-6-2020 to 2-13-2020 related to phase change and waiver to remain on pre auction channel past phase 10
Amount:	\$372.60

<p>Disposal Costs (for equipment and other waste, net of any salvage value)</p>	<table> <tr> <td data-bbox="719 174 1027 210">Component Description:</td><td data-bbox="1161 174 1374 286">recycling of glycol removed form DCX transmitter</td></tr> <tr> <td data-bbox="719 297 831 333">Amount:</td><td data-bbox="1161 297 1281 333">\$1,049.89</td></tr> <tr> <td data-bbox="719 434 1027 470">Component Description:</td><td data-bbox="1161 434 1374 591">recycling the oil from the HV beam supplies from the DCX</td></tr> <tr> <td data-bbox="719 602 831 638">Amount:</td><td data-bbox="1161 602 1281 638">\$1,040.50</td></tr> </table>	Component Description:	recycling of glycol removed form DCX transmitter	Amount:	\$1,049.89	Component Description:	recycling the oil from the HV beam supplies from the DCX	Amount:	\$1,040.50
Component Description:	recycling of glycol removed form DCX transmitter								
Amount:	\$1,049.89								
Component Description:	recycling the oil from the HV beam supplies from the DCX								
Amount:	\$1,040.50								
<p>FCC Filing Fees - Form 2100 license to cover application</p>	<p>Information not provided.</p>								
<p>DTV Medical Facility Notification</p>	<p>Information not provided.</p>								

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,221,455.00	\$3,708,889.66	\$2,367,410.53

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.	Yes
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>jim patrick mcgue <i>rf engineer</i></p> <p>02/22/2021</p>

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.

<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>jim patrick mcgue <i>rf engineer</i></p> <p>02/22/2021</p>

Certification	Section	Question	Response
	Submission of Final Allocation or Accounting Information 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 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 acknowledges that all certifications and attached documentation are considered material representations. 2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
4. 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.
5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
6. 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.

**jim patrick
mcgue**
rf engineer

02/22/2021

Attachments