Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **11909** | Service: **DTV** | Call Sign: **WFOX-TV** | Channel: **14 (UHF)**

File Number: **0000027858**

FRN: **0022027601** | Date Submitted: **11/27/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
COX TELEVISION JACKSONVILLE, LLC Doing Business As: 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 Information

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 *Cox Television Jacksonville, LLC*	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 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

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	29.1 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 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	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
35576	WJAX-TV	DTV
11909	WFOX-TV	DTV
4754	WJKF-CD	DTV
29728	WQIK-FM	FM
73130	WJCT	DTV
73125	WJCT-FM	FM
67243	WKSL	FM
51975	WJBT	FM
51974	WWJK	FM

Other Types of Users

Users
KNJY504 AMBULAN

Primary Tower

Tower Modification Costs

Section	Question	Response

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
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

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**	**$249,666.80**		**$0.00**	
UHF and VHF - minor banding issues	$105,200.00	$100,000.00	CH14	N/A	N/A
60 kW mask filter	$89,400.00	$84,666.80	CH14 mask filter included in channel change quote GA-00020157; 84,666.80	N/A	N/A
RF Consulting Engineer	$5,260.00	$5,000.00	N/A	N/A	N/A
Additional field engineering time, 10-30 days	$63,100.00	$60,000.00	ch14 testing	N/A	N/A
Auxiliary Transmitter ULXTE-50	**$1,078,910.00**	**$1,254,145.27**		**$375,615.09**	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	$947,000.00	$1,126,845.27	ULXTE-50; number is manufacturer's quote Includes CH14 mask filter system ($91,986.04)	$375,615.09	N/A
Transformer 3 phase /480v - 150 KVA	$25,550.00	$24,300.00	N/A	N/A	N/A

Other Electrical Service: 400A 208 service, conduit & wiring	***$38,000.00***	$38,000.00	N/A	N/A	N/A
RF Consulting Engineer	$5,260.00	$5,000.00	N/A	N/A	N/A
Additional field engineering time, 10-30 days	$63,100.00	$60,000.00	ch14 testing	N/A	N/A
Sub-total	$1,341,870.00	$1,503,812.07	N/A	$375,615.09	N/A
Total for all systems	$3,274,939.00	$2,507,111.07	N/A	$541,715.75	N/A

Components

Actual Information Description	**File Name**	
UHF and VHF - minor banding issues	Information not provided.	
60 kW mask filter	Information not provided.	
RF Consulting Engineer	Information not provided.	
Additional field engineering time, 10-30 days	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	**Component Description:** **Amount:**	This is the one third deposit paid to Gates Air Inc for the ULXTE-50 $375,615.09
Transformer 3 phase/480v - 150 KVA	Information not provided.	

Other Electrical Service: 400A 208 service, conduit & wiring	Information not provided.
RF Consulting Engineer	Information not provided.
Additional field engineering time, 10-30 days	Information not provided.

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna tuc-p5-12	$637,930.00	$83,400.00		$34,650.00	

New combiner, cost per channel (without antenna)	$84,200.00	$77,000.00	Our present two channel T combiner cannot be re-tuned and must be replaced. We do not have an aux antenna. The current combiner is for channels 19 & 32. To fully utilize the testing period to ensure that we do not interfere with land mobile operations, we must be able to continue to broadcast on CH Channels 32 & CH19 while testing on Channel 14.To accomplish this task, we require the ability to switch back and forth between Channels 32 and 14, mandating use of a channel combiner that can accommodate all three channels.	$34,650.00	N/A

Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), Two Station broadband panel antenna, horizontally polarized	$547,000.00	$0.00	N/A	N/A	N/A
Sub-total	$637,930.00	$83,400.00	N/A	$34,650.00	N/A
Total for all systems	$3,274,939.00	$2,507,111.07	N/A	$541,715.75	N/A

Components

Actual Information Description	File Name	
New combiner, cost per channel (without antenna)	**Component Description:** **Amount:**	This is the down payment for the 3 channel combiner $34,650.00
Sweep test of existing antenna	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), Two Station broadband panel antenna, horizontally polarized	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
Primary Transmission Line	**$6,400.00**	**$6,400.00**		**$0.00**	
optimize line	***$6,400.00***	$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	$3,274,939.00	$2,507,111.07	N/A	$541,715.75	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 Justificatio
Primary Tower GTOWER	**$630,679.00**	**$242,179.00**		**$0.00**	
PIM REMEDIATION	***$242,179.00***	$242,179.00	TOWER KING QUOTE C-17-125 Tower must be inspected and rust removed 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 :SEE ATTACHMENT	N/A	N/A
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

Sub-total	$630,679.00	$242,179.00	N/A	$0.00	N/A
Total for all systems	$3,274,939.00	$2,507,111.07	N/A	$541,715.75	N/A

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 Cos Justificatic
Outside Professional Services	**$210,390.00**	**$224,250.00**		**$131,450.66**	
CH14 testing engineering	***$45,000.00***	$45,000.00	MWG will determine steps necessary to prevent interference with land mobile	$39,352.26	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 the initial PIM testing was done it was determined that a visual daytime inspection of the tower was needed (tower king 2.pdf); this increased the cost by $6432.50
Comprehensive coverage verification via field study, if needed	$84,200.00	$80,000.00	N/A	$8,925.00	RF Analysi
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
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 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 the complexity of moving to CH14 we required additional engineering and legal assistance
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$10,387.50	antenna plots & TV study
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	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	$1,200.00	N/A
Sub-total	$210,390.00	$224,250.00	N/A	$131,450.66	N/A
Total for all systems	$3,274,939.00	$2,507,111.07	N/A	$541,715.75	N/A

Components

Actual Information Description	File Name	
CH14 testing engineering	**Component Description:** **Amount:**	Time for MWG for initial WFOX PIM testing $23,857.50
	Component Description: **Amount:**	Expenses & Materials for MWG for PIM testing and site visit $11,124.76
	Component Description: **Amount:**	Inside coax with directional coupler; Used by MWG for initial PIM testing $4,370.00
Additional Field Engineering Service, 5 Days		

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:	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:	Network analysis of transmission system to determine suitability on ch14. Assist MWG with PIM testing. Test of filters in shop.
Amount:	$15,000.00

	Component Description:	Inside coax with directional coupler; Used by MWG for initial PIM testing
	Amount:	N/A
Comprehensive coverage verification via field study, if needed	**Component Description:**	RF analysis
	Amount:	$2,835.00
	Component Description:	RF analysis
	Amount:	$1,882.50
	Component Description:	RF Analysis
	Amount:	$2,857.50
	Component Description:	RF analysis
	Amount:	$1,350.00
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.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:**	A&A-Email with D. Siegler FCC construction permit filing process
	Amount:	$149.60
	Component Description:	A & A - Calls, email & preparation of FCC construction permit filings
	Amount:	$1,158.80
	Component Description:	Analysis and advise - Preparation of email to J. Kauffman, A. Hall and D. Siegler regarding FCC post-auction letters concerning construction
	Amount:	$74.80
Prepare and or review reimbursement form	**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- 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
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:	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-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-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 /Review & emails: regarding FCC repack applications & status --$224.40 credit
	Amount:	$1,237.60
	Component Description:	Advise on FCC 399 & 399 response
	Amount:	$9,525.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:**	antenna plots & tv study $1,740.00
	Component Description: **Amount:**	antenna plots & TV study $8,647.50
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	**Component Description:** **Amount:**	CP engineering $1,200.00

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$447,670.00**	**$447,070.00**		**$0.00**	
PLMR interference abatement	***$405,775.00***	$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	N/A	N/A
PLMR Notification	***$11,400.00***	$11,400.00	Notification of PLMR licensees within 65km of WFOX's impending CH14 broadcasting	N/A	N/A
MVPD Notification of Channel Change	***$2,500.00***	$2,500.00	N/A	N/A	N/A

Develop and air announcement of upcoming channel change	***$2,500.00***	$2,500.00	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
Disposal Costs (for equipment and other waste, net of any salvage value)	***$2,500.00***	$2,500.00	glycol and beam supply disposal	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
Equipment Storage	***$5,000.00***	$5,000.00	possible coordination issues may require storage	N/A	N/A
Sub-total	$447,670.00	$447,070.00	N/A	$0.00	N/A
Total for all systems	$3,274,939.00	$2,507,111.07	N/A	$541,715.75	N/A

Components

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,274,939.00	$2,507,111.07	$541,715.75

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	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 above-named applicant for the Authorization(s) specified above.	**James Patrick McGue** *RF Engineer* 11/27/2018

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 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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station’s facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 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 above-named applicant for the Authorization(s) specified above.	**James Patrick McGue** *RF Engineer* 11/27/2018

Attachments