

(REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

**29712** Service: **DTV** Call WCWJ Channel: 20 (UHF) Facility Sign:

0000027958

Number:

ID:

File

FRN: 0002161107 Date 05/09

> Submitted: /2019

#### **Applicant** Information

#### **Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
GRAHAM MEDIA GROUP, FLORIDA. INC. Doing Business As: GRAHAM MEDIA GROUP, FLORIDA. INC.	James Lowery 4 BROADCAST PLACE JACKSONVILLE, FL 32207 United States	+1 (904) 393- 9871	jlowery@wjxt. 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
William T Godfrey , Jr Consulting Engineers Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-D NW 60th Street Gainesville, FL 32607 United States	+1 (352) 332-3157	bill@kesslerandgehman. 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	The WCWJ tower must be replaced due to the repack. Instead of building a new tower, it will be dismantled & WCWJ will collocate with WJXT. An interim antenna, transmitter & line are required to operate at alternate site during dismantle of WCWJ tower.

## **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	Sigma CD3140P2CF
	Year	2008
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	34.0 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	THU9EVO- 48
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	73.5 kW
	Justification for New Transmitter	ERP: 1000 kW (1st Priority Station) RMS Gain: 18.9 Azimuth Gain: 1.39 TX Line Loss: 0.812 Mask Filter Loss: 0.931 Combiner Loss: 0.933 H-pol Only TPO: 54.0 kW (THU9EVO-36) 1 Step Up: THU9EVO-40 Upgrade: THU9EVO-48

## 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
	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?	Yes
	Size	900.0 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
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Additional Installation Costs	Work performed by TSG Dermac subbed TSG Rohde & Schwarz subbed Dermac & provided quote
Switch	Switch to Combiner Interconnect 8-3/16" 75 ohm.
Electrical	Electrical for new WCWJ Main Transmitter installation & operation
Ceiling Structure Mods	Structural Analysis, Structural Design & Structural Mods required to hang RF System

## Interim Transmitter

## **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	THU9EVO- 24
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	37.0 kW
	Justification for New Transmitter	A new transmitter for an interim facility at an alternate site is required to keep station on air while WCWJ tower is dismantled and for duration of the assigned phase. H-pol only TPO: 30.4 kW Required TX: THU9EVO-20 Upgrade TX: THU9EVO-24

## Interim 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	500 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Other electrical services will be required for transmitter building at the alternate site for the interim facility to operate while the tower is being dismantled and through the assigned phase. See lease, bldg & elec quotes.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only

	Size	10 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	450.0 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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

#### Interim Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
Additional RF Components	Required to split cabinets in order to meet spacing requirements in transmitter building.
Back-up Generator	A temporary generator is required at the interim site while the WCWJ tower is being dismantled.

#### **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	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	Side 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)	863.0 kW

Manufacturer	
Model	TFU- 28GTH-R 6T170
Year	2008

## Primary Antenna

## **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	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 Types	Mounting	Top Mount
	Antenna position in stack	Тор
	Polarization	Elliptical
	Туре	Broadband Slot
	Number of Stations Supported	2
	Number of Panels/Bays	24
	Lower Limit	497.00 MHz
	Upper Limit	509.00 MHz
	Design power capacity in use	60.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	
	Model	TFU-24GTH /VP-R TC O6SP

Justification for New Antenna  The existing main antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. The antenna is an upgrade; however, it will result in an overall system savings for the FCC since it will be shared with WJXT.	Year	2018
	Justification for New Antenna	main antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. The antenna is an upgrade; however, it will result in an overall system savings for the FCC since it will be shared with

#### Primary Antenna

## **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	8 3/16 inches inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

# Enter a list of RF channel numbers.

RF Channel Number	
20	
18	

## Primary Antenna

#### **Other Antenna Cost Not Listed**

Name	Description
Shipping	Shipping Cost: \$9,800
Antenna adapter	ANTENNA WEDDING CAKE MOUNTING ADAPTER.
Extension Pole	MOUNTING POLE FOR TOP MOUNTING ANTENNA IN ORDER TO MAINTAIN FAA HEIGHT.

#### 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?	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 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/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)	863.0 kW
	Manufacturer	
	Model	TFU- 25ETT-R O6T170

Year	2018
Justification for New Antenna	An interim antenna is necessary to keep station on the air at an alternate site while the WCWJ tower is being dismantled and while the primary antenna is built-out and throughout duration of assigned phase.

#### Interim Antenna

#### **Other Antenna Costs**

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	6 1/8 inches
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**

Name	Description
Shipping	Shipping Cost: \$9,800

Transmission <sup>Seffien</sup>	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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1005 feet per run

## Primary New Transmission Line

Transmission

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?	Yes
	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1155 feet per run

Justification for New Transmission Line The power rating for 7-3/16" line is not capable of handling the power required for WJXT and WCWJ shared operation. The line is considered an upgrade; however, it will result in an overall system savings since WCWJ and **WJXT** stations will share the costs.

Shipping Cost: \$9,800

## Other Transmission Line Expenses Not Listed

**Shipping** 

## **Primary** Transmission Line Description

## **New Transmission Line**

## Interim Transmissio

Section	Question	Response
New Transmission Line	Use	Interim
Costs	Description of Use	N/A
	Change Type	Purchase New
	Туре	Rigid
	Diameter	6 1/8 inches
	Segment Length	19 ½ '
	Other Segment Length	
	Number of parallel runs	1
	Length	1100 feet per run
	Justification for New Transmission Line	Interim transmission line is necessary in order to keep WCWJ on the air during primary antenna replacement and for the duration of the assigned phase. This will be at an

alternate site since the tower has to be dismantled.

#### Interim

## Other Transmission Line Expenses Not Listed

Transmission	n Naine	Description
	Shipping	Shipping Cost: \$5,400

## Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

## Auxiliary Tower

## **Add Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Interim Tower (InSite)
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1016457
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	30° 16' 36.0" N-
	Longitude (NAD83)	081° 33' 57.0" W-
	Overall Structure Height	1001.63 feet
	Support Structure Height	950.78 feet

Ground Elevation Above Mean Sea Level (AMSL)	25.92 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	IWG Towers Assets II, LLC
Date Constructed	07/01/1988

## Auxiliary Tower

## **Tower Modification Costs**

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

## 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

Nam	Description

Remove Interim Equipment	Interim tower must be rigged a second time after assigned phase is complete to have the interim antenna, interim line, STL dish and waveguide removed from tower and disposed. Old pre-auction top-mount antenna reinstalled for FAA height.
Interim Tower Lease	Monthly lease expenses at alternate site (InSite Tower) to support the top-mount interim antenna, TX line and STL for up to 21 months (see attached quote).

## **Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	Terrain Constrained
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1025608
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	30° 16' 37.0" N-
	Longitude (NAD83)	081° 33' 46.0" W-
	Overall Structure Height	1013.77 feet
	Support Structure Height	944.87 feet
	Ground Elevation Above Mean Sea Level (AMSL)	32.81 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	Graham Media Group, Florida, Inc.
Date Constructed	11/15/1967

## **Tower Modification Costs**

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

## Primary Tower

## **Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained
Helicopter Services Required	Are helicopter services required?	Yes

## Primary Tower

## Other Tower Expenses Not Listed

Name	Description
Helicopter Site Staging Requirement	Erickson Incorporated requires a 200 x 200 ft staging area for the helicopter lift. See attached quote to clear the site.
Foundation Expansion	In order to support the loading for WCWJ to collocate with WJXT on the WJXT tower, the guy wire anchor foundations must be reinforced (expanded).

## **Tower Construction Costs**

Section	Question	Response
Construct New Tower	Use	Primary (Main)
	Description of Use	N/A
	Is this a request for upgraded equipment?	No
	Height	945.00 feet
	Justification for New Tower	A recent structural analysis indicates that the tower fails when changes are made that invoke EIA-222-G, such as required for this repack. The analysis states that tower cannot be upgraded to comply with the standards (see attached structural analysis).

## Primary Tower

## **Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	Other
Helicopter Services Required	Are helicopter services required?	Yes

## Other Tower Expenses Not Listed

Name	Description
Tower Mapping	Tower mapping cost shared with WJXT related to WCWJ moving to the WJXT tower
Helicopter Site Staging Requirement	See attached quotes. Erickson Inc. requires a 200 x 200 ft clearing for lifts and the only way to achieve this is to have the area clearcut and also requires a Strong Plank Steel Mat.

## **Tower Construction Costs**

Section	Question	Response
Construct New Tower	Use	Primary (Main)
	Description of Use	N/A
	Is this a request for upgraded equipment?	No
	Height	945.00 feet
	Justification for New Tower	A recent structural analysis indicates that the tower fails when changes are made that invoke EIA-222-G, such as required for this repack. The analysis states that tower cannot be upgraded to comply with the standards (see attached structural analysis).

## Primary Tower

## **Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	Other
Helicopter Services Required	Are helicopter services required?	Yes

## Other Tower Expenses Not Listed

Name	Description
Tower Mapping	Tower mapping cost shared with WJXT related to WCWJ moving to the WJXT tower
Helicopter Site Staging Requirement	See attached quotes. Erickson Inc. requires a 200 x 200 ft clearing for lifts and the only way to achieve this is to have the area clearcut and also requires a Strong Plank Steel Mat.

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	850
	Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes

	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes

Number of Days	45
Justification	It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services.

#### Outside Professional

### Other Professional Services Expenses Not Listed

I Services Costs	Description
Environmental Impact Study	Study conducted due to presence of visible mold in existing interim building. Building determined to be uninhabitable (shared cost with WJXT).
Geotechnical Report	Required for new interim transmitter building container (shared cost with WJXT).
Intermod Study at Interim Site	Tower owner requires an intermod study (see attached quote from InSite Towers, LLC)
Osborn Engineering Examination of Interim Site	Professional Services - review existing drawings, design interim transmitter building, prepare conceptual site plan layout, prepare construction documents, provide construction administration services (shared cost with WJXT).

Osborn Engineering Main Transmitter Facility	Professional Services - main transmitter facility site assessment consisting of on-site laser scanning of both the interior and exterior of the WJXT main transmitter facility (shared costs with WJXT).
Other Engineering Services	Fewer Project Management "PM" tasks are required & Other Engineering Services "OES" are required, therefore the PM total has been reduced to 850 hrs (\$127,500 at \$150/hr), & a new OES category has been created & funded with the money removed from PM.
Other Legal Services	Other Legal Services related to the DTV Repack
Topographic Survey	Required for new interim transmitter building container (shared cost with WJXT).
First Priority Filing Window Engineering Study for New Channel Assignment and Antenna Development	Prepare Engineering Portion of a First Priority Filing Window Construction Pemit Application (Unable to Construct)

# Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	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?	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
STL System	Microwave dish required for interim studio to transmitter link (STL) to be operated up to 21 months. Receiver, waveguide, licensing, etc. required for interim STL. See attached STL quotes.
Sales Tax	Sales Tax

## **Cost Information**

#### **Transmitters**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter THU9EVO-24	\$2,096,958.69	\$1,576,270.67		\$1,576,270.67	
Back-up Generator	\$59,530.00	\$59,530.00	Back-up generator to be shared at interim site with WCWJ and WJXT. Cost of back- up generator is \$265,00; however, shared cost is \$132,500 (see attached back- up generator quote from Olympian Generators)	\$59,530.00	N/A
Additional RF Components	\$567.10	\$567.10	N/A	\$567.10	N/A
Other Building Addition Size: 450.0	\$350,307.59	\$350,307.59	Attached letter from InSite Tower (interim tower) states that new building must be provided.	\$350,307.59	N/A

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,005,617.48	Total cost minus non- reimbursable upgrade cost and non- reimbursable portion of taxes related to the upgrade.	\$1,005,617.48	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$29,700.00	N/A	\$29,700.00	N/A
Transformer 3 phase /480v - 500 KVA	\$48,400.00	\$5,559.50	N/A	\$5,559.50	N/A
Other Electrical Service: Other electrical services will be required for transmitter building at the alternate site for the interim facility to operate while the tower is being dismantled and through the assigned phase. See lease, bldg & elec quotes.	\$88,054.00	\$88,054.00	Jacksonville Electric Authority (JEA) services must be retained in order to modify on-site transformer to provide required service to new interim building (container). Also see attached quotes.	\$88,054.00	N/A
10 Ton system	\$38,900.00	\$36,935.00	N/A	\$36,935.00	N/A

Primary Transmitter THU9EVO-48	\$2,553,111.51	\$1,905,450.51		\$1,356,442.51	
Ceiling Structure Mods	\$31,590.00	\$31,590.00	Structural Analysis: \$1,570.00 Structural Design: \$1,920.00 Structural Mods: \$28,100.00 Total: \$31,590.00	N/A	N/A
Electrical	\$181,700.00	\$181,700.00	N/A	\$181,170.00	N/A
Switch	\$49,932.51	\$49,932.51	Switching required in order to access dummy load and combiner.	\$49,932.51	N/A
Additional Installation Costs	\$240,889.00	\$240,889.00	WCWJ portion of installation costs. See attached R&S Quote Number 189270.3. Work begins June 1, 2019 so no invoices yet.	N/A	N/A

Other	\$50,000.00	\$50,000.00	Electrical:	\$14,890.00	N/A
Building			\$14,890.00		
Addition			Structural		
Size: 900.0			Analysis:		
			\$1,570.00		
			Combiner		
			Offload and		
			storage:		
			\$8,050.00		
			Additional		
			Grounding:		
			\$1,470.00		
			Storage		
			Container:		
			\$1,065.00		
			Structural		
			Design:		
			\$1,920.00		
			Structural		
			Mods: TBD		
			Total: TBD		
JHF -	\$1,999,000.00	\$1,351,339.00	Transmitter:	\$1,110,450.00	N/A
Liquid			\$1,110,450.00		
Cooled			Installation:		
Solid State			\$240,889.00		
Transmitter			Total:		
68.5 - 75 kW			\$1,351,339.00		
Sub-total	\$4,650,070.20	\$3,481,721.18	N/A	\$2,932,713.18	N/A
Total for all systems	\$9,897,973.53	\$7,622,464.63	N/A	\$4,968,250.43	N/A

### Components

<b>Actual Information</b>	
Description	File Name

Back-up Generator		
	Component Description:	WCWJ R&S inv #9500083890 Interim Electrical
		temporary
		generator UL20180731jgv1
	Amount:	\$9,155.00
	Component Description:	Diesel Serv-Supp
		inv #110000051
		Backup Generator UL20180905jgv1
		50% to WCWJ 50%
		to WJXT
	Amount:	\$50,375.00
Additional RF Components		
	Component Description:	WCWJ R&S inv
		#9500083873 Interim Elbow
		UL20180725jgv1
	Amount:	\$567.10
Other Building Addition		
Size: 450.0	Component Description:	WCWJ Interim
		Dumpster, Storage,
		Plywood & Parallel
		RC Interface (Quote & Invoices)
	Amount:	\$5,075.00
	Component Description	WCWJ INT
	Component Description:	Container (Change
		Order)
	Amount:	\$2,680.00
	Component Description:	Osborn inv #30282
		Interim TX Facility
		prof srvcs
	Amount:	UL20190214jgv1 \$6,900.00
	Amount.	φυ, <del>3</del> 00.00

Component Description: Osborn inv #28314

Prof srvcs 180224 -

180330

UL20190205jgv1

**Amount:** \$9,247.48

Component Description: WCWJ Interim

Building (Container)

Construction (NET30 Payment)

**Amount:** \$211,797.10

Component Description: WCWJ Interim

Container (NET30)

**Amount:** \$32,173.50

Component Description: Osborn inv #27953

Interim TX Facility

prof srvcs

UL20190214jgv1

\$6,558.50

Component Description: WCWJ INT

Amount:

Container Scherer Const 10% & CO Invoice (Shared)

**Amount:** \$12,377.50

Component Description: Osborn inv #29010

Interim TX Facility

prof srvcs

UL20190214jgv1

**Amount:** \$6,897.24

Component Description: WCWJ INT

Container Scherer

Const 90% Invoice

(Shared)

**Amount:** \$46,512.00

**Component Description:** Osborn inv #29391 Interim TX Facility prof srvcs UL20190214jgv1 \$10,089.27 Amount: UHF - Liquid Cooled Solid State Transmitter 35 - 50 **Component Description:** WCWJ Interim kW Transmitter (NET30 Partial Payment) Amount: \$718,989.17 **Component Description:** WCWJ Interim Dumpster, Storage, Plywood & Parallel RC Interface (Quote & Invoices) v2 Amount: \$875.00 **Component Description:** WCWJ Interim Transmitter (NET30 Final Payment) \$285,753.31 **Amount:** Switchgear - industrial 800 amp **Component Description:** WCWJ R&S inv #9500083890 Interim Electrical switchgear UL20180731jgv1 Amount: \$29,700.00 Transformer 3 phase/480v - 500 KVA **Component Description:** Coffman Elec inv #131850E **Automatic Transfer** Switch UL20180905jgv1 50% to WCWJ 50% to WJXT Amount: \$5,559.50

Other Electrical Service:		
Other electrical services	Component Description:	WCWJ R&S inv
will be required for	Component Description.	#9500083847
transmitter building at the		Interim Main Panel
alternate site for the		UL20180725jgv1
interim facility to operate	Amount:	\$9,484.00
while the tower is being		. ,
dismantled and through		
the assigned phase. See	Component Description	MCM LD 9 C inv
lease, bldg & elec quotes.	Component Description:	WCWJ R&S inv #9500083890
		Interim Electrical
		installation
	Amount:	UL20180731jgv1 \$78,570.00
	Amount.	φι ο,σι ο.σο
10 Ton system		
	Component Description:	WCWJ Interim
		HVAC (NET30
		Payment)
	Amount:	\$36,935.00
		. ,
Ceiling Structure Mods	Information not provided.	
Electrical		
	Component Description:	WCWJ Main
		Electrical 100%
		Invoice (Shared)
	Amount:	\$181,170.00
Switch		
	Component Description	\\(\C\\\\   \\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Component Description:	WCWJ Main Additional Parts &
	Amount:	Services (Switching) \$49,932.51
	Amount.	φ <del>43,33</del> ∠.31
Additional Installation	Information not provided.	

Other Building Addition		
Size: 900.0	<b>Component Description:</b>	WCWJ Main TX
		Bldg Demo &
		Disposal (NET30
		Payment)
	Amount:	\$14,890.00
UHF - Liquid Cooled Solid		
State Transmitter 68.5 - 75	Component Description:	WCWJ Main
kW		Transmitter (Initial
		25% Down
		Payment)
	Amount:	\$370,150.00
	Component Description:	WCWJ Main
	The production of the producti	Transmitter (50%
		Down Payment)
	Amount:	\$740,300.00

## **Cost Information**

#### **Antennas**

Description Interim Antenna TFU-25ETT- R O6T170	Predetermined Cost Estimate \$275,830.00	Estimated Cost \$221,912.00	Estimated Cost Justification	Actual Cost \$212,112.00	Actual Cost Justification
Shipping	\$9,800.00	\$9,800.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,984.00	See attached Dielectric Quote.	\$10,984.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$194,728.00	See attached Dielectric Quote.	\$194,728.00	N/A
Primary Antenna TFU-24GTH /VP-R TC O6SP	\$371,593.49	\$318,735.10		\$292,957.62	

Extension	\$76,315.00	\$76,315.00	Cost:	\$55,437.52	N/A
Pole			\$152,630;		
			however, it is		
			shared cost		
			with WJXT,		
			therefore,		
			cost for		
			WCWJ is		
			\$76,315.		
			See		
			attached		
			Dielectric		
			Quote.		
Antenna	\$19,252.00	\$19,252.00	Cost:	\$19,252.00	N/A
adapter			\$21,472;		
			however, it is		
			shared cost		
			with WJXT,		
			therefore,		
			cost for		
			WCWJ is		
			\$10,736.		
			See		
			attached		
			Dielectric		
			Quote. A 2nd adapter		
			is required at		
			a total price		
			of \$17,032		
			which is		
			\$8,516 to		
			WCWJ and		
			\$8,516 to		
			WJXT		
Shipping	\$4,900.00	\$4,900.00	Cost:	N/A	N/A
3	,	, , , , , , , , , , , , , , , , , , , ,	\$9,800;		
			however, it is		
			shared cost		
			with WJXT		
			therefore,		
			cost for		
			WCWJ is		
			\$4,900. See		
			attached		
			Dielectric		
			Quote.		

Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$18,950.00	\$8,880.00	Cost: \$17,760; however, it is shared cost with WJXT, therefore, cost for WCWJ is \$8,880. See attached Dielectric Quote.	\$8,880.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$44,941.61	Shared cost with WJXT	\$44,941.61	N/A
UHF - High Power Top Mount Two Station antenna elliptically or circularly polarized	\$161,246.49	\$161,246.49	Cost: \$350,093 (\$322,493 less V-pol Upgrade); however, it is shared cost with WJXT, therefore, reimbursable cost for WCWJ is \$161,246.49. See attached Dielectric Quote.	\$161,246.49	N/A
Sweep test of existing antenna	\$6,730.00	\$3,200.00	Shared cost with WJXT	\$3,200.00	N/A
Sub-total	\$647,423.49	\$540,647.10	N/A	\$505,069.62	N/A
Total for all systems	\$9,897,973.53	\$7,622,464.63	N/A	\$4,968,250.43	N/A

Actual Information Description	File Name	
Shipping	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	Inv MAN00266 WCWJ Interim elbow complex 45% down payment
	Amount:	UL20180503jgv1 \$4,942.80
	Component Description:	Die inv #MAN00154 Interim TX antenna elbow complex
	Amount:	UL20181119jgv1 \$4,942.80
	Component Description:	WCWJ Interim Antenna Elbow Complex (Final 10% Payment)
	Amount:	\$1,098.40

Sweep test of existing antenna	Component Description:	Die inv #MAN00154 Interim TX antenna
		sweep
		UL20181119jgv1
	Amount:	\$2,880.00
	Component Description:	WCWJ Interim
		Repack Sweep
		(Final 10%
		Payment)
	Amount:	\$640.00
	<b>Component Description:</b>	Inv MAN00266
		WCWJ Interim
		sweep test 45%
		down payment
		UL20180503jgv1
	Amount:	\$2,880.00
UHF - High Power Top		
Mount (200-1000 kW),	Component Description:	WCWJ Interim
One station antenna,		Antenna (Final 10%
horizontally polarized		Payment)
	Amount:	\$19,472.80
	Component Description:	Die inv #MAN00154
		Interim TX antenna
		UL20181119jgv1
	Amount:	\$87,627.60
	<b>Component Description:</b>	Inv MAN00266
		WCWJ Interim TX
		antenna 45% down
		payment
	Amount:	

Component Description:

Die inv #MAN00299
Prim ant ext pole
UL20181106jgv1
\$21,095.77

Component Description:

Inv MAN00214
WCWJ WJXT Prim
ant ext pole
UL20180718jgv2
Amount:
\$34,341.75

Antenna adapter		
	Component Description:	WCWJ Main Ant &
		Line Final
		Payments Cover
		Letter (Wedding Cake Adapter #1)
	Amount:	\$1,073.60
	7 4.1.6 4.1.1	<b>\$</b> 1,010.00
	Component Description:	WCWJ Main Ant &
		Line Final
		Payments Cover
		Letter (Wedding
		Cake Adapter #2)
	Amount:	\$4,683.80
	Component Description:	Die inv #MAN00299
		Primary ant adapter
		UL20181106jgv1
	Amount:	\$3,832.20
	Component Description:	Die inv #MAN00299
		Primary ant adapter
		UL20181106jgv1
	Amount:	\$4,831.20
	Component Description:	Inv MAN00214
		WCWJ WJXT
		Primary ant adapter
		UL20180718jgv2
	Amount:	\$4,831.20
Shipping	Information not provided.	

Elbow complex, broadband, at antenna **Component Description:** WCWJ Main Ant & input, per 8 3/16. feedline Line Final (if needed) Payments Cover Letter (Elbow Complex) \$888.00 **Amount: Component Description:** Inv MAN00214 WCWJ WJXT Elbow complex UL20180718jgv2 Amount: \$3,996.00 **Component Description:** Die inv #MAN00299 Elbow complex UL20181106jgv1 \$3,996.00 Amount: New combiner, cost per channel (without antenna) **Component Description:** WCWJ Main **Combiner Payment** (Cover Letter, Invoice & Quote) Amount: \$44,941.61

**UHF** - High Power Top Mount Two Station WCWJ Main Ant & **Component Description:** antenna elliptically or Line Final circularly polarized Payments Cover Letter (Main Antenna) **Amount:** \$16,124.65 **Component Description:** Die inv #MAN00299 Primary antenna UL20181106jgv1 **Amount:** \$72,560.92 **Component Description:** Inv MAN00214 WCWJ WJXT Primary antenna UL20180718jgv2 Amount: \$72,560.92 Sweep test of existing antenna **Component Description:** WCWJ Main Ant & Line Final Payments Cover Letter (Repack Sweep) **Amount:** \$320.00

**Component Description:** 

**Component Description:** 

Amount:

**Amount:** 

Die inv #MAN00299

UL20181106jgv1

Inv MAN00214 WCWJ WJXT

UL20180718jgv2

Sweep

Sweep

\$1,440.00

\$1,440.00

## **Cost Information**

#### **Transmission Line**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$227,600.00	\$167,515.51		\$162,115.51	
Shipping	\$5,400.00	\$5,400.00	N/A	N/A	N/A
Rigid Transmission Line - copper, 6 1/8"	\$222,200.00	\$162,115.51	See Dielectric quote for WCWJ interim facility.	\$162,115.51	N/A
Primary Transmission Line	\$465,745.00	\$154,365.00		\$149,465.00	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$460,845.00	\$149,465.00	N/A	\$149,465.00	N/A
Shipping	\$4,900.00	\$4,900.00	Shipping Cost is \$9,800; however, it is a shared expense with WJXT; therefore, WCWJ shipping cost is	N/A	N/A
Sub-total	\$693,345.00	\$321,880.51	N/A	\$311,580.51	N/A
Total for all systems	\$9,897,973.53	\$7,622,464.63	N/A	\$4,968,250.43	N/A

### Components

Actual Information Description	File Name	
Shipping	Information not provided.	
Rigid Transmission Line - copper, 6 1/8"	Component Description:	WCWJ Interim Transmission Line (Final 10% Payment)
	Amount:	\$16,211.55
	Component Description:	Inv MAN00266 WCWJ Interim line 45% down payment
	Amount:	UL20180503jgv1 \$72,951.98
	Component Description:	Die inv #MAN00154 Interim TX line UL20181119jgv1
	Amount:	\$70,466.29
	Component Description:	Die inv #MAN00154 Interim TX antenna TLSCRs
	Amount:	UL20181119jgv1 \$2,485.69
Rigid Transmission Line - copper, 8 3/16" broadband	Component Description:	WCWJ Main Ant & Line Final
	Amount:	Payments Cover Letter (Cut Pieces) \$398.40

Component Description: WCWJ Main Ant &

Line Final

Payments Cover

Letter

(Transmission Line)

**Amount:** \$11,173.59

Component Description: Inv MAN00214

WCWJ WJXT Feed

thru

UL20180718jgv2

**Amount:** \$5,138.55

Component Description: Die inv #MAN00299

Transmission line

UL20181106jgv1

**Amount:** \$61,296.17

Component Description: Die inv #MAN00299

Feed thru

UL20181106jgv1

**Amount:** \$4,128.75

Component Description: Inv MAN00214

WCWJ WJXT Transmission line

UL20180718jgv2

**Amount:** \$63,743.94

Component Description: Die inv #MAN00299

**TLSCRs** 

UL20181106jgv1

**Amount:** \$1,792.80

Component Description: Inv MAN00214

**WCWJ WJXT** 

**TLSCRs** 

UL20180718jgv2

**Amount:** \$1,792.80

Shipping	Information not provided.
11 0	•

### **Cost Information**

### **Tower Equipment and Rigging Costs**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Auxiliary Tower TOWER	\$749,100.00	\$545,000.00		\$93,022.65	
Remove Interim Equipment	\$200,000.00	\$200,000.00	Interim tower must be rigged after assigned phase is complete in order to have interim antenna, line, STL & waveguide removed from tower and disposed. Old pre-auction top-mount antenna belonging to tower owner must be reinstalled to maintain FAA height.	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$100,000.00	Shared expense with WJXT	\$3,925.88	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$75,000.00	Shared cost with WJXT	N/A	N/A

Interim Tower Lease	\$168,000.00	\$168,000.00	See attached InSite Tower LLC quote. Costs are based on leasing space on the interim tower for 21 months at	\$87,096.77	N/,
Structural engineering tower load study for well documented tower	\$12,600.00	\$2,000.00	\$8,000 per month.  ***System Notice: Estimate adjusted and locked because line	\$2,000.00	N//
Primary Tower TOWER	\$1,033,792.00	\$674,315.00	has been superseded. ***	\$75,854.85	
Major tower reinforcement /modifications	\$421,000.00	\$200,000.00	Costs for WCWJ tower mods are a shared expense with WJXT.	\$32,103.39	N/A

Complex	\$421,000.00	\$283,823.00	Actual costs:	N/A	N/A
Tower	Ţ . <u>_</u> .,300.00	<del>+</del>	\$477,646 for		, ,
(includes, for			main antenna		
example,			install minus		
those with			\$73,300 for		
candelabras			helicopter lift		
and/or			equates to		
stacked			\$404,346.		
antennas)			Since main		
			antenna is		
			shared with		
			WJXT, the		
			main antenna		
			install cost for		
			WCWJ is		
			\$202,173		
			(50% of		
			\$404,346).		
			See ERI		
			Proposal No.		
			20180123-851		
			Rev B.		
Tower	\$36,350.00	\$36,350.00	See attached	\$0.00	N/A
Helicopter Lift			ERI Proposal		
			(Proposal No.		
			20180123-851		
			20180123-851 Rev B). The		
			Rev B). The		
			Rev B). The WJXT tower		
			Rev B). The WJXT tower has history of using helicopter lifts		
			Rev B). The WJXT tower has history of using		
			Rev B). The WJXT tower has history of using helicopter lifts		
			Rev B). The WJXT tower has history of using helicopter lifts since it is a complex candelabra.		
			Rev B). The WJXT tower has history of using helicopter lifts since it is a complex		
			Rev B). The WJXT tower has history of using helicopter lifts since it is a complex candelabra.		
			Rev B). The WJXT tower has history of using helicopter lifts since it is a complex candelabra. Shared		
			Rev B). The WJXT tower has history of using helicopter lifts since it is a complex candelabra. Shared expense with		

Primary Tower	\$1,176,826.71	\$1,126,874.71		\$661,045.46	
Foundation Expansion	\$91,642.00	\$91,642.00	Quote is for \$183,284. Shared expense with WJXT; therefore WCWJ cost is \$91642.	\$43,751.46	N/A
Helicopter Site Staging Requirement	\$37,500.00	\$37,500.00	See attached clearing quote for \$75,000. Erickson Inc. requires a 200 x 200 ft clearing for lifts and the only way to achieve this is to have the area clear-cut and also requires a Strong Plank Steel Mat. Shared expense with WJXT is \$37,500.	N/A	N/A
mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study					

Tower	\$655,826.71	\$655,826.71	Instead of	\$655,826.71	N/A
Helicopter Lift			building a new		
			tower, the		
			WCWJ tower		
			was		
			dismantled. It		
			was originally		
			planned to		
			dismantle the		
			tower via		
			helicopter for		
			safety		
			reasons;		
			however, a		
			gin pole was		
			used and		
			pricing		
			requests such		
			(See attached		
			ERI quote).		
Helicopter Site	\$75,000.00	\$75,000.00	Clearing	N/A	N/A
Staging			required in		
Requirement			preparation to		
			dismantlement		
			of the WCWJ		
			tower (instead		
			of building a		
			new tower).		
New tower	\$0.00	\$0.00	Cost of new	N/A	N/A
			replacement		
			tower for		
			WCWJ is		
			\$2,586,115.00		
			(see ERI		
			quote). WCWJ		
			tower will be		
			dismantled		
			and WCWJ		
			will collocate		
			with WJXT		
			providing		
			significant		
			cost-savings		
			<b>3</b> -		

Complex	\$421,000.00	\$371,048.00	A recent	N/A	N/A
Tower			structural		
(includes, for			analysis		
example,			indicates that		
those with			the tower fails		
candelabras			when changes		
and/or			are made that		
stacked			invoke EIA-		
antennas)			222-G. The		
			analysis		
			states that		
			tower cannot		
			be upgraded		
			to comply with		
			the standards.		
			Instead of		
			building a new		
			tower, it will		
			be		
			dismantled.		
			See ERI		
			quote.		
Tower	\$25,000.00	\$25,000.00	N/A	\$5,218.75	N/A
Mapping					
Sub-total	\$2,959,718.71	\$2,346,189.71	N/A	\$829,922.96	N/A
Total for all systems	\$9,897,973.53	\$7,622,464.63	N/A	\$4,968,250.43	N/A

### Components

Actual Information Description	File Name	
Remove Interim Equipment	Information not provided.	
Tall Tower (greater than 500')	Component Description:	ERI inv #WCWJ-004 Spring Hanger Ext Hardware UL20181127jgv1
	Amount:	\$3,925.88
Minor tower reinforcement /modifications	Information not provided.	

Interim Tower Lease		
	Component Description:	WCWJ Interim Tower
		Lease Payments
		(MAR 2019)
	Amount:	\$10,000.00
	Component Description:	WCWJ Interim Tower
	Component Description.	Lease Payments
		(JUL 10, 2018 - DEC
		31, 2018)
	Amount:	\$57,096.77
	<b>.</b>	WOWLL : T
	Component Description:	WCWJ Interim Tower
		Lease Payments (JAN & FEB 2019)
	Amount:	\$20,000.00
		, -,
Structural engineering		
tower load study for well	Component Description	lov
documented tower	Component Description:	Inv FL952GRARADIO
		WJXT Structural
		Analysis
		UL20180521jgv2
		50% to WJXT 50% to
		WCWJ
	Amount:	\$2,000.00
Major tower reinforcement /modifications	Component Description	WCW I Main Towar
	Component Description:	WCWJ Main Tower Mods (50% Shared
		Payment)
	Amount:	\$14,316.25
		Ţ,O.O.ZO
		W0W144 : =
	Component Description:	WCWJ Main Tower
		Mods (Final 50%
	Amount:	Shared Payment) \$17,787.14
	Alloulit.	ψ11,101.14
Complex Tower	Information not provided.	
(includes, for example,	,	
those with candelabras		

Tower Helicopter Lift	Information not provided.	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	
Helicopter Site Staging Requirement	Information not provided.	
Foundation Expansion		
	Component Description:	Osborn inv #28225 Twr found eng 180127 - 180223 UL20181114jgv1
	Amount:	\$4,167.00
	Component Description:	Osborn inv #29009 Twr found eng 180331 - 180427
	Amount:	UL20181114jgv1 \$2,529.20
	Component Description:	Osborn inv #28313 Twr found eng 180224 - 180330
	Amount:	UL20190213jgv1 \$2,159.35
	Component Description:	Osborn inv #27213 Twr found eng 171028 - 171125
	Amount:	UL20181114jgv1 \$6,201.75
	Component Description:	Osborn inv #28313 Twr found eng
		180224 - 180330
	Amount:	UL20181114jgv1 \$2,159.35

Component Description: Matrax inv #2041

Mud mat rental UL20181112jgv1

**Amount:** \$989.48

Component Description: Osborn inv #26797R

Twr found eng 170930 - 171027 UL20181114jgv1

**Amount:** \$10,372.60

Component Description: Osborn inv #27338

Twr found eng 171125 - 171231 UL20181114jgv1

**Amount:** \$2,702.68

Component Description: Osborn inv #29390

Twr found eng 180428 - 180525 UL20181114jgv1

**Amount:** \$69.80

**Amount:** 

Component Description: Osborn inv #26528R

Twr found eng 170701 - 170929 UL20181114jgv1 \$14,449.65

Component Description: Osborn inv #27832

Twr found eng 180101 - 180126 UL20181114jgv1

**Amount:** \$109.95

Tower Helicopter Lift		
	Component Description:	WCWJ ERI inv #WCWJ-002 Tower removal
	Amount:	UL20180913jgv3 \$325,350.00
	Amount.	<b>\$</b> 323,330.00
	Component Description:	WCWJ ERI inv #WCWJ-003 Tower removal 40 pct pmt 2 UL20180910jgv1
	Amount:	\$265,550.00
	Component Description:	WCWJ ERI inv #WCWJ-007 Tower removal final 10 pct pmt 3
	Amount:	UL20180910jgv1 \$64,926.71
Helicopter Site Staging Requirement	Information not provided.	
New tower	Information not provided.	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	

**Tower Mapping** 

Component Description: Inv 947-05 Tower

mapping

UL20180712jgv2 50% to WCWJ 50%

to WJXT

**Amount:** \$3,687.50

Component Description: Inv

FL952GRA1422873 WCWJ Climbing

Inspection

UL20180605jgv2 50% to WCWJ 50%

to WJXT

**Amount:** \$1,531.25

## **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 Justificatio
Outside Professional Services	\$729,715.00	\$714,880.00		\$372,121.81	
First Priority Filing Window Engineering Study for New Channel Assignment and Antenna Development	\$7,000.00	\$7,000.00	Required for Unable to Construct Stations	\$7,000.00	N/A
Other Legal Services	\$10,000.00	\$10,000.00	Other Legal Services related to the DTV Repack	\$5,599.31	N/A

Other Engineering Services	\$282,120.00	\$282,120.00	Fewer Project Management "PM" tasks are required & Other Engineering Services "OES" are required, therefore the PM total has been reduced to 850 hrs (\$127,500 at \$150/hr), & a new OES category has been created & funded with the money removed from PM.	\$282,120.00	N/A
Osborn Engineering Main Transmitter Facility	\$8,590.00	\$8,590.00	Shared cost with WJXT.	N/A	N/A
Osborn Engineering Examination of Interim Site	\$51,710.00	\$51,710.00	Shared cost with WJXT. See attached Osborn Engineering quote.	N/A	N/A
Intermod Study at Interim Site	\$500.00	\$500.00	See attached InSite Tower LLC quote for required study. Shared cost with WJXT.	N/A	N/A

Additional Field Engineering Service, 45 Days	\$90,000.00	\$90,000.00	N/A	\$27,610.00	N/A
RF Exposure Measurements	\$21,050.00	\$10,000.00	Shared expense with WJXT	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	\$550.00	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$1,500.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$3,000.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$11,885.00	See attached Invoices and Quotes	\$11,885.00	N/A

Project management of the transition	\$134,300.00	\$127,500.00	Fewer Project Management "PM" tasks are required & Outside Engineering Services "OES" are required, therefore the PM total has been reduced to 850 hrs (\$127,500 at \$150/hr), & a new OES category has been created & funded with the money removed from PM.	\$25,857.50	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$7,000.00	N/A
Environmental Impact Study	\$2,420.00	\$2,420.00	Shared cost with WJXT	N/A	N/A
Geotechnical Report	\$2,035.00	\$2,035.00	Shared cost with WJXT	N/A	N/A
Topographic Survey	\$870.00	\$870.00	Shared cost with WJXT	N/A	N/A
Sub-total	\$729,715.00	\$714,880.00	N/A	\$372,121.81	N/A
Total for all	\$9,897,973.53	\$7,622,464.63	N/A	\$4,968,250.43	N/A

Actual Information Description	File Name	
First Priority Filing Window Engineering Study for New Channel Assignment and Antenna Development	Component Description: Amount:	KGA 947-16 v190502pmv1 \$7,000.00
Other Legal Services	Component Description:	Covington inv #60780136 Various Legal
	Amount:	UL20190221jgv2 \$135.00
	Component Description:	Covington inv #60774445 Various Legal UL20181022jgv1
	Amount:	\$1,246.26
	Component Description:	Covington inv #60780135 Various Legal UL20181019jgv1
	Amount:	\$1,872.22
	Component Description:	Covington inv #60790156 Various Legal
	Amount:	UL20181023jgv1 \$62.10
	Component Description:	Covington inv #60780136 Various Legal UL20181022jgv1
	Amount:	\$247.50

Component Description: Covington inv

#60816783 Various

Legal

UL20181030jgv1

**Amount:** \$130.50

Component Description: Covington inv

#60793199 Various

Legal

UL20181023jgv1

**Amount:** \$149.47

Component Description: Covington inv

#60812706 Various

Legal

UL20181024jgv1

**Amount:** \$309.70

Component Description: Covington inv

#60836456 Various Legal thru 190131 UL20181030jgv1

**Amount:** \$1,694.06

Other Engineering Services

Component Description: KGA inv #947-112

Other Eng Srvcs UL20181113jgv1

**Amount:** \$54,625.00

Component Description: KGA 947-146

v190507pmv1

**Amount:** \$14,450.00

Component Description: KGA 947-50

v190503pmv1

**Amount:** \$2,425.00

**Component Description:** KGA 947-100

v190503pmv1

Amount:

\$450.00

Component Description: KGA 947-64

v190503pmv1

**Amount:** \$36,645.00

Component Description: KGA 947-19

v190503pmv1

**Amount:** \$5,400.00

Component Description: KGA 947-17

v190502pmv1

**Amount:** \$2,800.00

Component Description: KGA inv #947-77

Actual Cost Invs

UL20181109jgv1

**Amount:** \$750.00

Component Description: KGA 947-161

v190507pmv1

**Amount:** \$300.00

Component Description: KGA 947-87

v190503pmv1

**Amount:** \$120,300.00

Component Description: KGA 947-19

v190503pmv1

**Amount:** \$750.00

Component Description: KGA 947-145

v190507pmv1

**Amount:** \$12,325.00

KGA 947-19 **Component Description:** 

v190503pmv1

Amount: \$750.00

KGA 947-147 **Component Description:** 

v190507pmv1

Amount: \$22,575.00

**Component Description:** KGA 947-19

v190503pmv1

**Amount:** \$3,000.00

**Component Description:** KGA 947-144

v190507pmv1

Amount: \$4,575.00

**Component Description:** KGA 947-19

v190503pmv1

\$750.00

Osborn Engineering Main

Transmitter Facility

Information not provided.

Amount:

Osborn Engineering Examination of Interim Site Information not provided.

Intermod Study at Interim

Site

Information not provided.

Additional Field

Engineering Service, 45

Days

**Component Description:** 

KGA 947-19

v190503pmv1 Amount:

\$500.00

**Component Description:** 

KGA 947-67 v190503pmv1

Amount:

\$3,800.00

**Component Description:** KGA 947-73

v190503pmv1

**Amount:** \$1,350.00

Component Description: KGA 947-44

v190503pmv1

**Amount:** \$1,800.00

Component Description: KGA 947-43

v190503pmv1

**Amount:** \$4,050.00

Component Description: KGA 947-52

v190503pmv1

**Amount:** \$2,700.00

Component Description: KGA 947-93

v190503pmv1

**Amount:** \$2,700.00

Component Description: KGA 947-45

v190503pmv1

**Amount:** \$1,800.00

Component Description: KGA 947-68

v190503pmv1

**Amount:** \$1,350.00

Component Description: KGA 947-47

v190503pmv1

**Amount:** \$2,160.00

Component Description: KGA 947-98

v190503pmv1

**Amount:** \$2,700.00

	Component Description: Amount:	KGA 947-46 v190503pmv1 \$2,700.00
RF Exposure Measurements	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Component Description: Amount:	KGA 947-72 v190503pmv1 \$550.00
ASR modification (prepare FCC Form 854)	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Component Description: Amount:	KGA 947-90 v190503pmv1 \$1,500.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	KGA 947-22 v190502pmv1 \$3,000.00
Address transition timing and coordination issues w/other stations and wireless	Information not provided.	

Prepare and or review reimbursement form

Component Description: KGA 947-156

v190507pmv1

**Amount:** \$725.00

Component Description: KGA 947-125

v190507pmv1

**Amount:** \$250.00

Component Description: KGA 947-166

v190507pmv1

**Amount:** \$1,232.50

Component Description: KGA inv #947-77

Actual Cost Invs UL20190329jgv2

**Amount:** \$750.00

Component Description: KGA 947-12

v190502pmv1

**Amount:** \$2,500.00

Component Description: KGA 947-123

v190507pmv1

**Amount:** \$700.00

Component Description: KGA 947-106

v190503pmv1

**Amount:** \$2,677.50

Component Description: KGA 947-124

v190507pmv1

**Amount:** \$2,775.00

Component Description: KGA 947-122

v190507pmv1

**Amount:** \$275.00

Project management of the transition

Component Description: Inv 947-31 WCWJ

PM 387 2017 Q4 UL20180621jgv1

**Amount:** \$300.00

Component Description: KGA inv #947-23

Project

Management UL20180726jgv1 50% to WCWJ 50%

to WJXT

**Amount:** \$2,257.50

Component Description: KGA 947-32

v190502pmv1

**Amount:** \$300.00

Component Description: KGA 947-54

v190503pmv1

**Amount:** \$300.00

**Component Description:** KGA inv #947-108

Form 387 2018 Q3

UL20181109jgv1

**Amount:** \$300.00

Component Description: KGA 947-19

v190503pmv1

**Amount:** \$22,100.00

Component Description: KGA 947-79

v190503pmv1

**Amount:** \$300.00

Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	KGA 947-19 v190503pmv1 \$7,000.00
Environmental Impact Study	Information not provided.	
Geotechnical Report	Information not provided.	
Topographic Survey	Information not provided.	

# **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 C
Other Expenses	\$217,701.13	\$217,146.13		\$16,842.35	
STL System	\$43,762.88	\$43,762.88	STL required at interim site. See attached STL quotes from Vernick Technology, Inc. and Data Flow Communications. Costs are \$87,525.75 (\$51,930.75 + \$35,595 - see attached quotes). Shared cost for WCWJ and WJXT is \$43,762.75.	N/A	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$42,169.50	\$42,169.50	See attached Rohde & Schwarz Quote Number 190379.0 (WCWJ Interim Decom)	\$2,173.50	N/A
Non-zoning permits	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Local Zoning	\$25,000.00	\$25,000.00	N/A	N/A	N/A

FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Sales Tax	\$8,023.75	\$8,023.75	Sales tax on any purchases where it is charged will be added to this component, with the cost adjusted upward accordingly.	\$8,023.75	N/A
Develop and air announcement of upcoming channel change	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Storage	\$25,000.00	\$25,000.00	N/A	\$6,645.10	N/A
Sub-total	\$217,701.13	\$217,146.13	N/A	\$16,842.35	N/A
Total for all systems	\$9,897,973.53	\$7,622,464.63	N/A	\$4,968,250.43	N/A

### Components

Actual Information Description	File Name
STL System	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.

Disposal Costs (for equipment and other		MOM Pro	
waste, net of any salvage	Component Description:	WCWJ R&S inv #9500083843	
value)			
		Dumpster UL20180725jgv1	
	Amount:	\$1,123.50	
	Amount.	φ1,123.30	
	Component Description:	WCWJ Interim	
		Dumpster, Storage,	
		Plywood & Parallel	
		RC Interface	
		(Quote & Invoices)	
	Amount:	\$1,050.00	
Non-zoning permits	Information not provided.		
Local Zoning	Information not provided.		
FCC Filing Fees - Special Temporary Authorization	Information not provided.		
request			
DTV Medical Facility Notification	Information not provided.		
Sales Tax			
	<b>Component Description:</b>	WCWJ R&S inv	
		#9500083890	
		Interim Electrical	
		sales tax	
		UL20180731jgv1	
	Amount:	\$7,145.50	
	Component Description:	WCWJ Interim	
		Dumpster, Storage,	
		Plywood & Parallel	
		RC Interface	
		(Quote & Invoices)	
	Amount:	\$878.25	
Develop and air Information not provided.			
announcement of			
upcoming channel change			

Equipment Storage		
	Component Description:	WCWJ R&S inv
		#9500083842
		Storage container
		UL20180723jgv1
	Amount:	\$995.10
	Component Description:	WCWJ Interim
		Dumpster, Storage
		Plywood & Parallel
		RC Interface
		(Quote & Invoices)
	Amount:	\$5,650.00

# Cost Information

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$9,897,973.53	\$7,622,464.63	\$4,968,250.43

Reimbursem	entestiatus	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

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. William T Godfrey , Jr. . Consulting Engineers

05/09/2019

#### **Attachments**