

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: File	53905 00000	Service: DTV	Call Sign:	WYFF	Channel: 30 (UHF)
Number:					
FRN: 00	01565050	Date	10/15		
		Submitted:	/2019		

Applicant Name, Type, and Contact Information

Applicant Information

Applicant	Address	Phone	Email	Applicant Type
WYFF HEARST TELEVISION INC. Doing Business As: WYFF HEARST TELEVISION INC.	P.O. BOX 1800 RALEIGH, NC 27602 United States	+1 (919) 839- 0300	mprak@brookspierce. com	Corporation

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Contact			
Contact Information	Applicant	Address	Phone Email	
	The Preparer is same as the reimbursement contact.			

Broadcaster	Question	Response
Information		
and		
Transition		
Plan		

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.	No
Briefly describe transition plan	See attached transition plan document

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

Auxiliary		ormation		
Transmitter	Section	Question	Response	
	Existing Transmitter Description	Type of change	Purchase New	
		Use	Auxiliary (Backup)	
		Description of Use	backup to main tx	
		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	CD3300P3	
		Year	2002	
		Туре	Inductive Output Tube	
		IOT Power Type	Three	
		Power Capacity	60 kW	

Auxiliary	New Transmitter Costs				
Transmitter	Section	Question	Response		
	New Transmitter	Use	Auxiliary (Backup)		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	Yes		
		Manufacturer			
		Model	ULXTE-100		
		Transmitter Type	Solid State		
		Solid State Cooling	Liquid Cooled		
		Solid State Power capacity	62.9 kW		
		Justification for New Transmitter	Existing IOT transmitter cannot be converted to post- transition channel, see GatesAir EOL and HTV IOT to Solid-State Justification statements. An IOT replacement is more expensive than proposed SS transmitter. See attached Comark IOT Transmitter quote.		

Auxiliary	Other Transmitter Costs		
Transmitter	Section	Question	Response
	Electrical Service	Service Entrance (3 phases 800A 208V)	No
		Switchgear (industrial 800 amp)	No
		Transformer (480V)	Yes
		Power	300 kVA
		Rigid Conduit and Wiring	No
		Size	N/A
		Length	N/A
		Other Electrical Service	Yes
		Description	Electrical installation for Auxiliary /Backup transmitter
	HVAC Service	Does the replacement transmitter require HVAC Service?	No
		Туре	N/A
		Size	N/A
		Other Size	N/A
	Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
		Size	N/A
	Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
		Is a channel 14 Mask Filer needed?	N/A
		Is additional field engineering time needed?	N/A
		Number of Days	N/A

Other Transmitter Cost Not Listed

Auxiliary Transmitter

Name	Description
Change Orders	changes to transmitter order
RF Accessories	miscellaneous RF components
Electrical Accessories	Manufacturer reqired surge protection
Transmitter shipping	transmitter shipping
de-install	remove old transmitter to make room for new
Transmitter installation incidentals	equipment and other items required for transmitter installation

Primary	Existing Transmitter Information			
Transmitter	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	CD3260P2	
		Year	2008	
		Туре	OwnedN/AN/ANoYesCD3260P2	
		IOT Power Type	Тwo	
		Power Capacity	60 kW	

Existing Transmitter Information

Primary	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Primary (Main)	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Manufacturer		
		Model	ULXTE-100	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	62.9 kW	
		Justification for New Transmitter	Existing IOT transmitter cannot be converted to post- transition channel, see GatesAir EOL and HTV IOT to Solid-State Justification statements. An IOT replacement is more expensive than proposed SS transmitter. See attached Comark IOT Transmitter quote.	

Primary	Other Transmitter Costs			
Transmitter	Section	Question	Response	
	Electrical Service	Service Entrance (3 phases 800A 208V)	No	
		Switchgear (industrial 800 amp)	No	
		Transformer (480V)	Yes	
		Power	300 kVA	
		Rigid Conduit and Wiring	No	
		Size	N/A	
		Length	N/A	
		Other Electrical Service	Yes	
		Description	Electrical installation for new main transmitter	
	HVAC Service	Does the replacement transmitter require HVAC Service?	No	
		Туре	N/A	
		Size	N/A	
		Other Size	N/A	
	Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No	
		Size	N/A	
	Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A	
		Is a channel 14 Mask Filer needed?	N/A	
		Is additional field engineering time needed?	N/A	
		Number of Days	N/A	

Primary	Other Transmitter Cost Not Listed		
Transmitter	Name	Description	
	RF Accessories	Waveguide switches, RF load, miscellaneous RF components	
	Transmitter Installation Incidentals	additional items needed for transmitter installation	
	Change Orders	changes to transmitter order	
	Electical accessories	Manufacturer required surge protection	
	Transmitter shipping	transmitter shipping	

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Auxiliary	Add Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Auxiliary (Backup)	
		Description of Use	backup	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is this antenna currently shared with any other stations?	No	
		Is this antenna directional?	No	
		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	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)	1000.0 kW	

Manufacturer	
Model	TFU- 24JSC-R04
Year	2008

uxiliary	New Antenna Costs	New Antenna Costs				
Antenna	Section	Question	Response			
	New Antenna Description	Use	Auxiliary (Backup)			
		Description of Use	emergency backup			
		Change Type	Purchase New			
		Is this a request for upgraded equipment?	No			
		Ownership	Owned			
		Owner	N/A			
		Is antenna shared?	No			
		Is antenna directional?	No			
		Will antenna be located on or in close proximity to an antenna farm?	No			
	New Antenna Manufacturer and Types	Class	Full Power			
		Mounting	Side 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)	1000.0 kW			
		Manufacturer				

Model	TFU-24JSC- 4 04 D30
Year	2018
Justification for New Antenna	Current antenna is channel specific (36) and cannot be retuned. Replacemen antenna required for new channel (30).

Auxiliary Other Antenna Costs

/ axinal y	
Antenna	

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
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	Yes
	transmission line and antenna?	

Auxiliary Antenna

Other Antenna Cost Not Listed

Name	Description
Antenna Shipping	antenna shipping
Custom length line section	Custom transmission line section required for installation
sales tax	SC state sales tax

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?	No	
		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	Not in Stack	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	1000.0 kW	

Manufacturer	
Model	TFU- 26GTH-R- 04
Year	2009

Antenna	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?	No
		Ownership	Owned
		Owner	N/A
		Is antenna shared?	No
		Is antenna directional?	No
		Will antenna be located on or in close proximity to an antenna farm?	No
	New Antenna Manufacturer and Types	Class	Full Power
		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)	884.0 kW
		Manufacturer	

Model	TFU-24GTH- R 04 D30
Year	2019
Justification for New Antenna	Current antenna is channel specific (36) and cannot be retuned. Replacement required for new channel (30).

Primary Other Antenna Costs

Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
		Туре	
		Number of channels supported	N/A
		Frequencies of channels supported	N/A
		Frequency	N/A
		Do you need a combiner output splitter /switcher for dual feed lines?	N/A
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
		Broadband or Single Channel?	Broadband
		Feed Line Size	6 1/8 inches inches
	Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
	Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No

Sweep Test	Do you require the sweep testing of	Yes
	transmission line and antenna?	

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Antenna Shipping	antenna shipping
Custom length line piece	custom length transmission line required for installation
Sales Tax	antenna sales tax

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Existing Transmission Line Primary Existing Transmission

mission	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?	No
		Is Transmission Line in operating condition?	Yes
	Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	Broadband
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	950 feet per run

Other Transmission Line Expenses Not Listed Primary Other Transmission Line Description

Existing Transmission Line Auxiliary Transmis

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Transmissio	Section	Question	Response
	Existing Transmission Line Description	Type of change	Utilize Existing
		Use	Auxiliary (Backup)
		Description of Use	line to backup antenna
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is the existing transmission line shared with another station or stations?	No
		Is Transmission Line in operating condition?	Yes
	Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	650 feet per run

Auxiliary	Other Transmission Line Expenses Not Listed		
Transmissio	nName	Description	

Line sweep	test line for use on post transition channel

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

marv	Existing	Tower
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Primary	Existing Tower			
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?	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? No	No	
	Existing Tower Structure	Do you have a tower registration number?	Yes	
	Registration	ASR Number	1052729	
	Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	35° 06' 43.0" N-	
		Longitude (NAD83)	082° 36' 23.0" W-	
		Overall Structure Height	862.85 feet	
		Support Structure Height	808.39 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	3085.92 feet	

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WYFF Hearst Television Inc.
Date Constructed	08/19/2009

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility IDCall SignService34390WFBC-FMFM

Other Types of Users

Users

Commercial 2way

Ham Radio

Public Safety

Primary Tower Modification Costs

Tower

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:	Serious Reinforcements needed

Primary Tower Section

wer	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
Power line relocation	Electrical line relocation prerequisite for tower modficiations
Tower Consulting	tower consulting and tower project management

Outside	Section	Question	Response
Professional	Services Costs 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	Yes
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	Yes
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes
		Quantity	1
		Do you have Distributed Transmission System engineering services?	N/A
		Critical Facility	N/A
		Terrain-Shielded Facility	N/A
	Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
	Services	For Auxiliary Facility	Yes
	-	For Main Facility	Yes
		Prepare and file Form FCC License to Cover Application	Yes
		For Auxiliary Facility	Yes
		For Main Facility	Yes
			-

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	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	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Other Professional Services Expenses Not Listed

Professional	Services Costs	Description
	Transmitter Site Survey	Transmitter planning survey & transmitter building drawings
	Non-Catalog legal expenses	Non-Catalog expenses for legal advice and services, including financial/reimbursement review, transition reporting, transition procedures, and other transition-related issues

Other	Section	Question	Response
Expenses	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	No
		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?	No
		Does this relocation require Equipment Storage?	Yes
		Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
		Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses Not Listed

Other	Other Expenses Not Listed	
Expenses	Ses Name Description	Description
	Contract Labor	labor directly related to station channel change

Transmitters

Cost Information

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 ULXTE-100	\$1,959,031.92	\$1,939,271.90		\$1,939,271.90	
Transmitter Installation Incidentals	\$5,867.59	\$5,867.59	see Sunbelt invoices	\$5,867.59	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$17,039.98	From GatesAir transmitter quote	\$17,039.98	N/A
RF Accessories	\$24,990.98	\$24,990.98	RF components required for transmitter operation. Section C in GatesAir transmitter quote.	\$24,990.98	N/A
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	\$1,590,620.23	\$1,590,620.23	Transmitter, mask filter, installation & proof. Estimated cost adjusted due to misapplied down payments between main and aux.	\$1,590,620.23	N/A

shipping shippingSaleShipping cost per GatesAir transmitter quote. See Quote attached to transmitter cost.N/AElectical accessories\$3,884.98S3,884.98manufacturer required surge protection\$3,884.98N/AOther Electrical istallation for new main transmitter\$259,325.00Extensive electrical modification and equipment required to convert from 480v to 208v. See attached quotes\$259,325.00N/AAuxiliary Transmitter LLXTE-100\$2,091,26.60\$2,084,066.60\$2,092,000\$2084,066.60Transmitter installation incidentals\$4,500.00\$4,500.00estimated additional transmitter installation costs\$4,394.89N/ATransmitter 3 phase (480 v - 300)\$3,680.00\$11,740.00From GatesAir transmitter\$11,740.00N/A	-	\$20,243.14	\$20,243.14	change order Q-	\$20,243.14	N/A
accessoriesSecond Second S		\$17,300.00	\$17,300.00	shipping cost per GatesAir transmitter quote. See Quote attached to transmitter	\$17,300.00	N/A
Electrical Service: Electrical installation for new main transmitterelectrical modification and equipment replacement required to convert from 480v to 208v. See attached quotes.electrical modification and equipment replacementAuxiliary Transmitter 		\$3,884.98	\$3,884.98	required surge	\$3,884.98	N/A
Transmitter ULXTE-100\$4,500.00estimated additional transmitter 	Electrical Service: Electrical installation for new main	\$259,325.00	\$259,325.00	electrical modification and equipment replacement required to convert from 480v to 208v. See attached	\$259,325.00	N/A
installation incidentals Transformer 3 phase /480v - 300	Auxiliary Transmitter ULXTE-100	\$2,109,126.60	\$2,084,066.60		\$2,010,049.43	
3 phaseGatesAir/480v - 300transmitter	installation	\$4,500.00	\$4,500.00	additional transmitter installation	\$4,394.89	N/A
	3 phase /480v - 300	\$36,800.00	\$11,740.00	GatesAir transmitter	\$11,740.00	N/A

UHF - Liquid Cooled Solid State Transmitter 62.9 kW	\$1,628,793.76	\$1,628,793.76	Quote for comparable transmitter from our transmitter vendor. Sections A, B & E of attached quote. Transmitter, mask filter, installation & proof.	\$1,596,915.66	N/A
Other Electrical Service: Electrical installation for Auxiliary /Backup transmitter	\$255,325.00	\$255,325.00	Extensive electrical modification and equipment replacement required to convert from 480v to 208v. See attached quotes.	\$255,325.00	N/A
de-install	\$22,660.35	\$22,660.35	de-install per GA quote	\$22,660.35	N/A
RF Accessories	\$134,862.51	\$134,862.51	RF components required for transmitter operation per GatesAir auxiliary transmitter quote.	\$134,862.51	N/A
Change Orders	\$5,000.00	\$5,000.00	estimate of change orders	(\$33,104.91)	N/A
Electrical Accessories	\$3,884.98	\$3,884.98	manufacturer required surge protection	\$3,884.98	N/A

Transmitter shipping	\$17,300.00	\$17,300.00	shipping cost per GatesAir transmitter quote	\$13,370.95	N/A
Sub-total	\$4,068,158.52	\$4,023,338.50	N/A	\$3,949,321.33	N/A
Total for all systems	\$6,025,488.22	\$5,581,352.45	N/A	\$5,371,020.65	N/A

Components

Actual Information Description	File Name	
Transmitter Installation Incidentals	Component Description: Amount:	WYFF transmitter 1 installation equipment rental 2 \$911.90
	Component Description: Amount:	WYFF transmitter 1 installation equipment rental 1 \$4,955.69
Transformer 3 phase/480v - 300 KVA	Component Description: Amount:	WYFF transmitter 1 transformers \$17,039.98
RF Accessories	Component Description: Amount:	WYFF transmitter 1 RF accessories \$24,990.98

UHF - Liquid Cooled Solid State Transmitter 62.9 kW	Component Description:	WYFF transmitter 1 delivery
	Amount:	\$515,431.24
	Component Description:	WYFF Main (1) transmitter prior to shipment
	Amount:	\$549,118.69
	Component Description:	Main transmitter 1st deposit
	Amount:	\$187,518.44
	Component Description:	Main transmitter 2nd deposit
	Amount:	\$338,551.86
Change Orders	Component Description:	WYFF transmitter
		1 Change Order Q-79651
	Amount:	\$20,243.14
Transmitter shipping	Component Description:	WYFF transmitter
		1 freight
	Amount:	\$17,300.00
Electical accessories	Component Description:	WYFF transmitter
	Component Description.	1 surge protectors
	Amount:	\$3,884.98

Other Electrical Service: Electrical installation for new main transmitter	Component Description:	WYFF main transmitter electrical
	Amount:	installation 2 \$127,225.00
	Component Description:	WYFF electrical design for new main transmitter
	Amount:	\$4,875.00
	Component Description:	WYFF main transmitter electrical
	Amount:	installation 3 \$63,612.50
	Component Description:	WYFF main transmitter electrical installation down payment
	Amount:	\$63,612.50
Transmitter installation incidentals	Component Description:	WYFF equipment rental for transmitter
	Amount:	installation \$4,394.89
Transformer 3 phase/480v - 300 KVA	Component Description:	WYFF transmitter
	Amount:	electrical transformer \$11,740.00

UHF - Liquid Cooled Solid State Transmitter 62.9 kW	Component Description: Amount:	Aux transmitter 2nd deposit \$338,551.85
	Component Description:	WYFF transmitter installation and proof - FCC definition of "transmitter" is transmitter, mask filter and installation
	Amount:	\$119,965.44
	Component Description:	WYFF transmitter 2 prior to shipment
	Amount:	\$596,738.25
	Component Description:	WYFF transmitter and mask filters - FCC definition of "transmitter" is transmitter, mask filter and installation
	Amount:	\$363,564.92
	Component Description:	Aux transmitter 1st deposit
	Amount:	\$178,095.20

Other Electrical Service: Electrical installation for	Component Description:	WYFF transmitter
Auxiliary/Backup transmitter		2 electrical
		installation 2
	Amount:	\$187,837.50
	Component Description:	WYFF electrical
		design for
		auxiliary
		transmitter
	Amount:	\$4,875.00
	Component Description:	WYFF transmitter
		2 installation
		electrical payment 1
	Amount:	\$62,612.50
de-install		
	Component Description:	WYFF transmitter
		de-install
	Amount:	\$22,660.35
RF Accessories		
	Component Description:	WYFF transmitter
		RF accessories
	Amount:	\$134,862.51

Change Orders		
	Component Description:	WYFF transmitter change order 3 Q- 79337
	Amount:	(\$47.17)
	Component Description:	WYFF transmitter change order 1 Q- 77705
	Amount:	(\$39,458.61)
	Component Description:	WYFF transmitter change order 2 Q- 79170
	Amount:	\$6,400.87
Electrical Accessories		
	Component Description:	WYFF transmitter electrical surge suppressors
	Amount:	\$3,884.98
Transmitter shipping		
	Component Description:	WYFF transmitter shipping
	Amount:	\$13,370.95

Antennas

Cost Information

			Estimated		
	Predetermined	Estimated	Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Primary Antenna TFU- 24GTH-R 04 D30	\$267,430.00	\$219,319.00		\$217,736.50	
Sweep test of existing antenna	\$6,730.00	\$0.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$0.00	N/A	N/A	N/A
Custom length line piece	\$0.00	\$0.00	custom transmitter line section required for antenna operation per Dielectric quote	N/A	N/A
Sales Tax	\$0.00	\$0.00	estimated antenna sales tax based on South Carolina state sales tax rate of 6%	N/A	N/A

Antenna Shipping	\$0.00	\$0.00	antenna shipping per vendor invoice	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$219,319.00	N/A	\$217,736.50	N/A
Auxiliary Antenna TFU-24JSC- 4 04 D30	\$208,753.10	\$178,873.10		\$160,985.80	
sales tax	\$0.00	\$0.00	estimated antenna sales tax based on South Carolina state sales tax rate of 6%	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$0.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, horizontally	\$178,873.10	\$178,873.10	Antenna cost per Dielectric quote	\$160,985.80	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	N/A	N/A	N/A
Antenna Shipping	\$0.00	\$0.00	shipping per Dielectric quote attached	N/A	N/A
Custom length line section	\$0.00	\$0.00	custom transmission line section required for antenna operation per Dielectric quote	N/A	N/A
Sub-total	\$476,183.10	\$398,192.10	N/A	\$378,722.30	N/A
Total for all systems	\$6,025,488.22	\$5,581,352.45	N/A	\$5,371,020.65	N/A

Actual Information Description	File Name
Sweep test of existing antenna	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Custom length line piece	Information not provided.
Sales Tax	Information not provided.
Antenna Shipping	Information not provided.

UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally	Component Description:	WYFF main antenna elbow
polarized	Amount:	complex \$6,502.40
	Component Description:	WYFF main
	Amount:	antenna sweep \$6,400.00
	Component Description:	WYFF main
	Amount:	antenna shipping \$7,447.00
	Component Description:	WYFF Dielectric Main Antenna Payments 1 and
	Amount:	2 equals 45% \$98,693.55
	Component Description:	WYFF main antenna 45%
	Amount:	prior to ship \$98,693.55
sales tax	Information not provided.	
Sweep test of existing antenna	Information not provided.	

UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, horizontally polarized	Component Description:	WYFF Dielectric Auxiliary Antenna payment 10% down and 35% with order equals 45% of items total 178873.10
	Amount:	\$80,492.90
	Component Description: Amount:	WYFF auxiliary antenna 45% payment prior to ship \$80,492.90
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Antenna Shipping	Information not provided.	
Custom length line section	Information not provided.	

Transmission Line

Cost Information

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	\$1,500.00	\$1,500.00		\$1,500.00	
Line sweep	\$1,500.00	\$1,500.00	test line for operation on post transition channel	\$1,500.00	N/A
Auxiliary Transmission Line	\$3,000.00	\$3,000.00		\$3,000.00	
Line sweep	\$3,000.00	\$3,000.00	test auxiliary transmission line for operation on post transition channel	\$3,000.00	N/A
Sub-total	\$4,500.00	\$4,500.00	N/A	\$4,500.00	N/A
Total for all systems	\$6,025,488.22	\$5,581,352.45	N/A	\$5,371,020.65	N/A

Actual Information Description	File Name	
Line sweep		
	Component Description:	WYFF main
		transmission line
		sweep
	Amount:	\$1,500.00

Line sweep		
	Component Description:	WYFF auxiliary
		transmission line
		sweep and report
	Amount:	\$3,000.00

Tower Equipment and Rigging Costs

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatio
Primary Tower TOWER	\$1,316,061.14	\$1,002,511.37		\$973,429.70	
Tall Tower (greater than 500')	\$210,500.00	\$282,254.50	Antenna services per proposal and change order	\$254,134.75	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$668,130.73	See attached TCI tower modification quote, weather days invoices and change order 3 and other tower mod invoices	\$668,130.73	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$24,865.00	TCI and Bunnell- Lammons quotes provided	\$24,865.00	N/A
Tower Consulting	\$3,750.00	\$3,750.00	tower consulting estimate - quote attached	\$2,788.00	N/A

Power line relocation	\$23,511.14	\$23,511.14	Relocation of electrical lines is a prerequisite for tower modifications. See attached quote.	\$23,511.22	Not sure why the invoice is 8 cents more than the quote.
Sub-total	\$1,316,061.14	\$1,002,511.37	N/A	\$973,429.70	N/A
Total for all systems	\$6,025,488.22	\$5,581,352.45	N/A	\$5,371,020.65	N/A

Actual Information Description	File Name	
Tall Tower (greater than 500')	Component Description: Amount:	WYFF antenna services 2 \$88,635.62
	Component Description:	WYFF main antenna services 3 rev
	Amount:	\$60,515.88
	Component Description:	WYFF antenna services 50% deposit
	Amount:	\$104,983.25
Serious tower reinforcement/modifications		
	Component Description:	WYFF tower crew weather days 1
	Amount:	\$23,575.00

Component Description: Amount:	WYFF tower site and guy wire clearing. Required for tower modifications including guy wire replacements. \$20,250.00
Component Description: Amount:	WYFF three guy wire anchor fence modifications \$4,266.00
Component Description: Amount:	WYFF tower modification permit \$2,554.73
Component Description:	Tower modification 50% initial payment less deposit. See attached quote "TCI-17-014B - WYFF Greenville SC - Mod 10.12.17. pdf". Also see "WYFF TCI down payment explanation.pdf". \$243,530.00
Component Description: Amount:	WYFF tower modification completion \$148,765.00
Component Description: Amount:	WYFF tower crew weather days 2 \$22,425.00

Component Description: Amount:	WYFF credit memo for duplicate reimbursement. Entered as per instructions from E&Y Jay Warden. (\$54,000.00)
Component Description:	Tower modification 25% mobilizations payment. See attached quote "TCI-17-014B - WYFF Greenville SC - Mod 10.12.17. pdf"
Amount:	\$148,765.00
Component Description:	WYFF portion of TCI tower modifications deposit. This and TCI invoice 8242 comprise the 50% down payment per quote payment terms. \$54,000.00
Component Description:	WYFF TCI MOU tower mod deposit. See attached MOU "TCI MOU 8-28-17 TCI.PDF" for support. Also see "WYFF TCI down
Amount:	payment explanation.pdf" \$54,000.00

Tower mapping for an undocumented/poorly	Component Description:	WYFF tower
documented tower and preparation of documentation necessary for tower load study	Amount:	mapping and feasibility analysis 2 \$9,140.00
	Component Description:	WYFF tower mapping and feasibility analysis 1
	Amount:	\$9,140.00
	Component Description:	WYFF tower geotechnical exploration
	Amount:	\$6,585.00
Tower Consulting		
	Component Description:	WYFF tower
	Amount:	consulting \$2,788.00
Power line relocation		
	Component Description:	Duke Energy invoice for power
		line relocation.
		Supporting quote provided.
	Amount:	\$23,511.22

Outside Professional Services

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cc Justificat
Outside Professional Services	\$101,491.00	\$98,276.02		\$39,727.01	
Non-Catalog legal expenses	\$20,000.00	\$20,000.00	Non-Catalog expenses for legal advice and services, including financial /reimbursement review, transition reporting, transition procedures, and other transition- related issues	\$10,575.02	N/A
Transmitter Site Survey	\$21,836.00	\$21,836.00	transmitter site survey per attached quote	\$21,836.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,239.36	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

Perform engineering study for new	\$7,360.00	\$7,000.00	N/A	\$650.00	N/A
channel					
assignment					
and antenna					
development					
Prepare	\$3,155.00	\$3,000.00	N/A	\$1,875.00	N/A
engineering					
section of FCC					
Form 2100					
(main),					
Construction					
Permit					
Application					
RF Consulting	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Engineer					
Fees- Aux					
Antenna:					
Prepare					
engineering					
section of FCC					
Form 2100,					
Construction					
Permit					
Application					
Prepare	\$1,580.00	\$1,500.00	N/A	N/A	N/A
engineering					
section of FCC					
Form 2100					
(main),					
License to					
Cover					
Application					
RF Consulting	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Engineer					
Fees- Aux					
Antenna:					
Prepare					
engineering					
section of FCC					
Form 2100,					
1 0111 2 1 0 0;					
License to					

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	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	\$2,551.63	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,690.02	see invoice	\$0.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Sub-total	\$101,491.00	\$98,276.02	N/A	\$39,727.01	N/A
Total for all systems	\$6,025,488.22	\$5,581,352.45	N/A	\$5,371,020.65	N/A

Actual Information Description	File Name	
Non-Catalog legal expenses		
	Component Description:	WYFF non-catalog
	component Description.	legal 1
	Amount:	\$6,885.00
	Component Description:	WYFF non-catalog
		legal 2
	Amount:	\$3,690.02
Transmitter Site Survey		
	Component Description:	WYFF GatesAir
		Site Survey
	Amount:	\$21,836.00
Prepare and or review		
reimbursement form	Component Description:	WYFF Prepare an
		/or review
		reimbursement
		Form 399-2
	Amount:	\$300.06
	Component Description:	WYFF Prepare an
		/or review
		reimbursement
		Form 399
	Amount:	\$1,939.30
Address transition timing	Information not provided.	
and coordination issues w/		
other stations and wireless		

Perform engineering study for new channel assignment and antenna development	Component Description:	WYFF RF consulting - engineering study
	Amount:	for new channel \$275.00
	Component Description: Amount:	WYFF RF consulting - engineering study for new channel 2 \$375.00
		<i>Q(10.00)</i>
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	WYFF RF consulting - CP engineering prep \$1,875.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare request for Special	Information not provided.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	WYFF Prepare and File FCC Form 2100, Construction
	Amount:	Permit Application \$1,497.10
	Component Description:	WYFF Prepare and File FCC Form 2100, Construction Permit Application 2
	Amount:	\$1,054.53
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
RF Exposure Measurements	Information not provided.	

Other Expenses

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$59,094.46	\$54,534.46		\$25,320.31	
Equipment Storage	\$30,500.00	\$30,500.00	Estimate for 1 year of antenna storage. See attached Dielectric document.	\$10,848.45	N/A
DTV Medical Facility Notification	\$11,550.00	\$7,000.00	N/A	\$4,268.80	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)	\$5,000.00	\$5,000.00	estimate for disposal costs due to transmitter installations and removals	\$3,005.60	N/A
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	Attorney review to ensure FCC compliance	N/A	N/A

MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	Attorney assistance in coordinating MVPD notification and notification service	\$2,988.00	N/A
Contract Labor	\$4,209.46	\$4,209.46	per invoice	\$4,209.46	N/A
Sub-total	\$59,094.46	\$54,534.46	N/A	\$25,320.31	N/A
Total for all systems	\$6,025,488.22	\$5,581,352.45	N/A	\$5,371,020.65	N/A

Actual Information Description	File Name	
Equipment Storage	Component Description: Amount:	WYFF transmitter 1 local storage and delivery \$3,745.50
	Component Description: Amount:	WYFF transmitter 2 local storage and delivery \$7,102.95
DTV Medical Facility Notification	Component Description: Amount:	WYFF medical notification letters \$4,268.80
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	

Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	WYFF waste disposal 3 \$1,082.00
	Component Description: Amount:	WYFF waste disposal 1 \$1,286.85
	Component Description: Amount:	WYFF waste disposal 2 \$636.75
Develop and air announcement of upcoming channel change	Information not provided.	
MVPD Notification of Channel Change	Component Description: Amount:	WYFF MVPD notification letters \$2,988.00
Contract Labor	Component Description: Amount:	WYFF accounting labor \$4,209.46

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$6,025,488.22	\$5,581,352.45	\$5,371,020.65	

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	Yes
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

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.	
		 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. 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).
- 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.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	John Drain Hearst Television SVP Chief Financial Officer 10/15/2019

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).	
		 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).
- 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.	Douglas Durkee Hearst Television Manager of Spectrum Repack
	10/15/2019

Attachments