

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility 53905 Service: DTV Call WYFF Channel: 30 (UHF)

Sign:

File **0000026820** 

Number:

ID:

FRN: **0001565050** Date **02/16** 

Submitted: /2019

# Applicant Information

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

#### **Preparer Contact Name and Information**

Applicant	Address	Phone	Email

The Preparer is same as the reimbursement contact.

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.	No
Briefly describe transition plan	See attached transition plan document

#### **Transmitters**

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

# **Existing Transmitter Information**

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

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-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.

# **Other Transmitter Costs**

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**

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

# **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	CD3260P2
	Year	2008
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 kW

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-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.

#### **Other Transmitter Costs**

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

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

Name	Description
Transmitter shipping	transmitter shipping
Old trasmitter removal	remove existing transmitter
RF Accessories	Waveguide switches, RF load, miscellaneous RF components
Electical accessories	Manufacturer required surge protection
de-install	remove old transmitter to make room for new

#### **Antennas**

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

#### **Add Antenna Information**

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	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)	1000.0 kW

Manufacturer	
Model	TFU- 24JSC-R04
Year	2008

#### **New Antenna Costs**

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	Class	Full Power
Manufacturer and Types	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. Replacement antenna required for new channel (30).

#### **Other Antenna Costs**

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

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

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

#### **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?	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	Class	Full Power
Manufacturer and Types	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).

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	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 transmission line and antenna?	Yes
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#### **Other Antenna Cost Not Listed**

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

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

# Primary Transmission

# **Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	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

# **Primary**

# Other Transmission Line Expenses Not Listed

Transmission	n Laine	Description
	Line sweep	check line for use on post transition channel

# Auxiliary Transmission

#### **Existing Transmission Line**

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	Manufacturer	Dielectric
Line Manufacturer and Type	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 Transmission

# Other Transmission Line Expenses Not Listed

on Line	Description
Line sweep	test line for use on post transition channel

# Tower Equipment And Rigging Costs

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

#### Primary Tower

# **Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	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
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 fee

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 ID	Call Sign	Service	
34390	WFBC-FM	FM	

# Other Types of Users

Users
Commercial 2way
Ham Radio
Public Safety

#### Primary Tower

#### **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:	Serious Reinforcements needed

# Primary Tower

# **Tower Rigging Costs**

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

#### Primary Tower

#### **Other Tower Expenses Not Listed**

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

#### Outside Professional

Section	Question	Response
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 Professional

# Other Professional Services Expenses Not Listed

al 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 Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	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

**Expenses** Information not provided.

# **Cost Information**

#### **Transmitters**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE-100	\$2,077,180.48	\$2,052,120.48		\$1,080,063.99	
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	\$1,623,992.36	\$1,623,992.36	Quote for comparable transmitter from our transmitter vendor. Sections A, B & E of attached quote. Transmitter, mask filter, installation & proof.	\$1,075,188.99	N/A
de-install	\$25,000.00	\$25,000.00	estimated cost of old transmitter removal	N/A	N/A
Electical accessories	\$3,884.98	\$3,884.98	manufacturer required surge protection	N/A	N/A
RF Accessories	\$86,457.29	\$86,457.29	RF components required for transmitter operation. Section C in GatesAir transmitter quote.	N/A	N/A

Electrical Accessories	\$3,884.98	\$3,884.98	manufacturer required surge protection	\$3,884.98	N/A
Auxiliary Transmitter ULXTE-100	\$2,109,126.60	\$2,084,066.60		\$2,010,049.43	
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$11,740.00	From GatesAir transmitter quote	N/A	N/A
Other Electrical Service: Electrical installation for new main transmitter	\$259,325.00	\$259,325.00	Extensive electrical modification and equipment replacement required to convert from 480v to 208v. See attached quotes.	\$4,875.00	N/A
Transmitter shipping	\$17,300.00	\$17,300.00	Transmitter shipping cost per GatesAir transmitter quote. See Quote attached to transmitter cost.	N/A	N/A
trasmitter removal	\$24,420.85	\$24,420.85	Must remove transmitter to make room for replacement. Section F in GatesAir transmitter quote. Quote attached to transmitter cost.	N/A	N/A

de-install	\$22,660.35	\$22,660.35	de-install per GA quote	\$22,660.35	N/A
Change Orders	\$5,000.00	\$5,000.00	estimate of change orders	(\$33,104.91)	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
Transmitter shipping	\$17,300.00	\$17,300.00	shipping cost per GatesAir transmitter quote	\$13,370.95	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
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$11,740.00	From GatesAir transmitter quote	\$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
Transmitter installation incidentals	\$4,500.00	\$4,500.00	estimated additional transmitter installation costs	\$4,394.89	N/A
Sub-total	\$4,186,307.08	\$4,136,187.08	N/A	\$3,090,113.42	N/A
Total for all systems	\$6,145,928.32	\$5,639,095.57	N/A	\$4,146,831.63	N/A

# Components

Actual Information Description	File Name	
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	Component Description: Amount:	WYFF Main (1) transmitter prior to shipment \$549,118.69
	Component Description: Amount:	Main transmitter 1st deposit \$187,518.44
	Component Description: Amount:	Main transmitter 2nd deposit \$338,551.86

de-install	Information not provided.	
Electical accessories	Information not provided.	
RF Accessories	Information not provided.	
Old trasmitter removal	Information not provided.	
Transmitter shipping	Information not provided.	
Other Electrical Service: Electrical installation for new main transmitter	Component Description: Amount:	WYFF electrical design for new main transmitter \$4,875.00
Transformer 3 phase/480v - 300 KVA	Information not provided.	
Electrical Accessories	Component Description: Amount:	WYFF transmitter electrical surge suppressors \$3,884.98
de-install	Component Description:	WYFF transmitter de-install \$22,660.35

	Component Description:	WYFF transmitter
	Component Description.	change order 3 Q-
		79337
	Amount:	(\$47.17)
	Amount.	( <del>4+</del> 1.11)
	Component Description:	WYFF transmitter
		change order 2 Q-
		79170
	Amount:	\$6,400.87
	Component Description:	WYFF transmitter
		change order 1 Q-
		77705
	Amount:	(\$39,458.61)
RF Accessories		
	Component Description:	WYFF transmitter
		RF accessories
	Amount:	\$134,862.51
ransmitter shipping		
	Component Description:	WYFF transmitter
		shipping
	Amount:	\$13,370.95

Other Electrical Service: Electrical installation for	Component Description:	WYFF transmitter
Auxiliary/Backup transmitter	Component Description.	2 electrical
		installation 2
	Amount:	\$187,837.50
	Component Description:	WYFF transmitter
		2 installation
		electrical payment
	Amount:	1 \$62,612.50
	Amount.	ψυΖ,υ ι Ζ. υυ
	Component Description:	WYFF electrical
		design for
		auxiliary
		transmitter
	Amount:	\$4,875.00
Transformer 3 phase/480v -		
300 KVA	Component Description:	WYFF transmitter
	Component Description.	electrical
		transformer
	Amount:	\$11,740.00

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

Transmitter installation incidentals

Component Description: WYFF equipment

rental for transmitter installation

**Amount:** \$4,394.89

#### **Antennas**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TFU- 24GTH-R 04 D30	\$289,619.00	\$232,479.00		\$98,693.55	
Antenna Shipping	\$7,447.00	\$7,447.00	antenna shipping per vendor quote	N/A	N/A
Custom length line piece	\$1,583.00	\$1,583.00	custom transmitter line section required for antenna operation per Dielectric quote	N/A	N/A
Sales Tax	\$13,159.00	\$13,159.00	estimated antenna sales tax based on South Carolina state sales tax rate of 6%	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$10,298.00	N/A	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$193,592.00	N/A	\$98,693.55	N/A
Auxiliary Antenna FU-24JSC- 04 D30	\$195,565.10	\$189,605.10		\$80,492.90	
sales tax	\$10,732.00	\$10,732.00	estimated antenna sales tax based on South Carolina state sales tax rate of 6%	N/A	N/A
Custom length line section	\$1,582.50	\$1,582.50	custom transmission line section required for antenna operation per Dielectric quote	N/A	N/A
Antenna Shipping	\$6,057.00	\$6,057.00	shipping per Dielectric quote attached	N/A	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$17,520.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, horizontally polarized	\$147,313.60	\$147,313.60	Antenna cost per Dielectric quote	\$80,492.90	N/A
Sub-total	\$485,184.10	\$422,084.10	N/A	\$179,186.45	N/A
Total for all systems	\$6,145,928.32	\$5,639,095.57	N/A	\$4,146,831.63	N/A

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

UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	Component Description:	WYFF Dielectric Main Antenna Payments 1 and 2 equals 45%
	Amount:	\$98,693.55
sales tax	Information not provided.	
Custom length line section	Information not provided.	
Antenna Shipping	Information not provided.	
Side mount brackets for high power antennas (if not included in antenna base cost)	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:  Amount:	WYFF Dielectric Auxiliary Antenna payment 10% down and 35% with order equals 45% of items total 178873.10 \$80,492.90

#### **Transmission Line**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$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	\$6,145,928.32	\$5,639,095.57	N/A	\$4,146,831.63	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**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Primary Tower TOWER	\$1,316,061.14	\$930,223.37		\$824,278.20	
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.

Tall Tower	\$210,500.00	\$209,966.50	Antenna	\$104,983.25	N/A
(greater than			services see		
500')			TCI-17-014C		
			- WYFF		
			Greenville		
			SC - Ant.pdf		
Sub-total	\$1,316,061.14	\$930,223.37	N/A	\$824,278.20	N/A
	<b>00.445.000.00</b>	<b>#</b> F 000 005 F <b>7</b>	N1/A	<b>#</b> 4.440.004.00	N1/A
Total for all	\$6,145,928.32	\$5,639,095.57	N/A	\$4,146,831.63	N/A
systems					

Components		
Actual Information Description	File Name	
Serious tower reinforcement/modifications	Component Description:	WYFF portion of TCI tower modifications deposit. This and TCI invoice 8242 comprise the 50% down payment per quote payment terms.
	Amount:	\$54,000.00
	Component Description:	WYFF tower crew weather days 1
	Amount:	\$23,575.00
	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".
	Amount:	\$243,530.00

Component Description: WYFF tower crew

weather days 2

**Amount:** \$22,425.00

Component Description: WYFF three guy

wire anchor fence

modifications

**Amount:** \$4,266.00

Component Description: WYFF credit memo

for duplicate reimbursement. Entered as per instructions from E&Y Jay Warden.

**Amount:** (\$54,000.00)

Component Description: WYFF tower

modification completion

**Amount:** \$148,765.00

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 tower site

and guy wire

clearing. Required

for tower modifications

including guy wire

replacements.

**Amount:** \$20,250.00

Component Description: WYFF tower

modification permit

Amount:

\$2,554.73

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"

payment

explanation.pdf"

**Amount:** \$54,000.00

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study

Component Description:

WYFF tower mapping and

feasibility analysis 2

\$9,140.00

**Component Description:** 

Amount:

Amount:

WYFF tower geotechnical

exploration \$6,585.00

**Component Description:** 

WYFF tower mapping and

feasibility analysis 1

**Amount:** \$9,140.00

**Tower Consulting** 

Component Description: WYFF tower

consulting

**Amount:** \$2,788.00

Power line relocation		
	Component Description:	Duke Energy
		invoice for power
		line relocation.
		Supporting quote
		provided.
	Amount:	\$23,511.22
Tall Taylor (greater than		
Tall Tower (greater than 500')		
	Component Description:	WYFF antenna
		services 50%
		deposit

#### **Outside Professional Services**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co
Outside Professional Services	\$101,491.00	\$98,276.02		\$39,727.01	
Transmitter Site Survey	\$21,836.00	\$21,836.00	transmitter site survey per attached quote	\$21,836.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,690.02	see invoice	\$0.00	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 - 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), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,551.63	N/A

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,875.00	N/A

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$650.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
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
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	\$2,500.00	N/A	\$2,239.36	N/A
Sub-total	\$101,491.00	\$98,276.02	N/A	\$39,727.01	N/A
Total for all systems	\$6,145,928.32	\$5,639,095.57	N/A	\$4,146,831.63	N/A
					_

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

T		
Transmitter Site Survey	Component Description: Amount:	WYFF GatesAir Site Survey \$21,836.00
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 - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:  Amount:	WYFF Prepare and File FCC Form 2100, Construction Permit Application 2 \$1,054.53
	Component Description:	WYFF Prepare and File FCC Form 2100, Construction Permit Application
	Amount:	\$1,497.10
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

legal 2 Amount: \$3,690.02			
section of FCC Form 2100 (main), Construction Permit Application  Perform engineering study for new channel assignment and antenna development  Component Description:  Component Description:  WYFF RF consulting - engineering study for new channel assignment and antenna development  Component Description:  WYFF RF consulting - engineering study for new channel \$275.00  Component Description:  WYFF RF consulting - engineering study for new channel 2 \$375.00  RF Exposure Measurements  Information not provided.  Component Description:  WYFF non-catalog legal 2 Amount:  \$3,690.02  Component Description:  WYFF non-catalog legal 1 \$6,885.00  Address transition timing and coordination issues w/	Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit	Information not provided.	
for new channel assignment and antenna development  Component Description:  WYFF RF consulting - engineering study for new channel \$275.00  Component Description:  WYFF RF consulting - engineering study for new channel \$275.00  Amount:  WYFF RF consulting - engineering study for new channel 2 \$375.00  RF Exposure Measurements  Non-Catalog legal expenses  Component Description:  WYFF non-catalog legal 2 Amount:  \$3,690.02  Component Description:  WYFF non-catalog legal 1 Amount:  \$6,885.00  Address transition timing and coordination issues w/	section of FCC Form 2100 (main), Construction Permit		consulting - CP engineering prep
Consulting - engineering study for new channel 2 \$375.00  RF Exposure Measurements  Non-Catalog legal expenses  Component Description: WYFF non-catalog legal 2 Amount: \$3,690.02  Component Description: WYFF non-catalog legal 1 Amount: \$6,885.00  Address transition timing and coordination issues w/	for new channel assignment and antenna		consulting - engineering study for new channel
Measurements  Non-Catalog legal expenses  Component Description: WYFF non-catalog legal 2 Amount: \$3,690.02  Component Description: WYFF non-catalog legal 1 Amount: \$6,885.00  Address transition timing and coordination issues w/			consulting - engineering study for new channel 2
Component Description:  Amount:  Component Description:  WYFF non-catalog legal 2  WYFF non-catalog legal 1  Amount:  WYFF non-catalog legal 1  Amount:  \$6,885.00  Address transition timing and coordination issues w/	•	Information not provided.	
Amount: legal 1 \$6,885.00  Address transition timing and coordination issues w/	Non-Catalog legal expenses		
and coordination issues w/			=
	and coordination issues w/	Information not provided.	

Prepare and or review reimbursement form

Component Description: WYFF Prepare and

/or review

reimbursement

Form 399-2

**Amount:** \$300.06

Component Description: WYFF Prepare and

/or review

reimbursement

Form 399

**Amount:** \$1,939.30

#### **Other Expenses**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$52,385.00	\$47,825.00		\$9,026.55	
MVPD Notification of Channel Change	\$2,500.00	\$2,500.00	Attorney assistance in coordinating MVPD notification	N/A	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
Equipment Storage	\$30,500.00	\$30,500.00	Estimate for 1 year of antenna storage. See attached Dielectric document.	\$7,102.95	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	\$1,923.60	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$7,000.00	N/A	N/A	N/A
Sub-total	\$52,385.00	\$47,825.00	N/A	\$9,026.55	N/A
Total for all systems	\$6,145,928.32	\$5,639,095.57	N/A	\$4,146,831.63	N/A

Actual Information		
Description	File Name	
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage		
	Component Description:	WYFF transmitter 2 local storage and delivery
	Amount:	\$7,102.95
Disposal Costs (for		
equipment and other waste,	Component Description:	WYFF waste
net of any salvage value)		disposal 2
	Amount:	\$636.75
	Component Description:	WYFF waste
		disposal 1
	Amount:	\$1,286.85
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Information not provided.	

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$6,145,928.32	\$5,639,095.57	\$4,146,831.63

Reimbursem	entestatus	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. John Drain Hearst Television SVP Chief Financial Officer

02/16/2019

Section Question Response

# Submission of Actual Cost Documentation Statements

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

- 1. The Authorized
  Person signing
  below certifies and
  represents that he
  /she is authorized to
  submit this TV
  Broadcaster
  Relocation Fund
  Reimbursement
  Form on behalf of
  the above-named
  entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Douglas
Durkee
Hearst
Television
Manager of
Spectrum
Repack

02/16/2019

#### **Attachments**