

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: File Number:	53465 00000	Service: DTV 26735	Call Sign:	WKCF	Channel: 23 (UHF)
FRN: 00	02538445	Date Submitted:	02/07 /2019		

Applicant Name, Type, and Contact Information

Applicant Information

ation	Applicant	Address	Phone	Email	Applicant Type
	HEARST PROPERTIES INC. Doing Business As: HEARST PROPERTIES INC.	Mark J. Prak C/O BROOKS, PIERCE ET AL. 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 Preparer Contact Name and Information

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.	Yes
	Briefly describe transition plan	see attached document

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

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	DCX-2H		
		Year	2002		
		Туре	Inductive Output Tube		
		IOT Power Type	Тwo		
		Power Capacity	45 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-80	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	50.1 kW	
		Justification for New Transmitter	Existing IOT txmtr cannot be converted to post- transition channel, see Comark Re-tune statement. An IOT replacement is more expensive than proposed SS txmtr. See attached Comark IOT Transmitter quote.	

Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	4 inches
	Length	150.0 feet
	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?	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	
	Sales Tax	transmitter sales tax	
	Change Order 1	change to copper plumbing kits	
	Transmitter insallation incidentals	equipment rentals and additional supplies needed for transmitter installation	

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Change Order 2	change to 8-pole mask filters
Transmitter de-install	remove old transmitter
Electrical Accessories	Surge protection required by transmitter manufacturer
Shipping	Transmitter shipping
RF Accessories	Additional RF components required for transmitter operatoin

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

Antenna	Existing Antenna Information				
	Section	Question	Response		
	Existing Antenna Description	Type of change	Purchase New		
		Antenna Use	Purchase		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is the existing antenna shared with another station or stations?	No		
	Site Is the existing antenna shared with another station or stations? Is the existing antenna directional? Is antenna in operating condition? Is antenna located on or in close proximity to an antenna farm?	Yes			
		Is antenna in operating condition?	Yes		
			Yes		
	Existing Antenna	Class	Full Power		
	Manufacturer and Type	Mounting	Top Mount		
		Antenna position in stack	Not in Stack		
		Polarization	Horizontal		
		Туре			
		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- 24GTH S180 DC
Year	2001

Primary	New Antenna Costs			
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?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna	Class	Full Power	
	Manufacturer and Types	Mounting	NoOwnedN/ANoYesYes	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	 N/A Purchase New No Owned N/A N/A Yes Yes Yes Yes Slotted Coaxial N/A N/A N/A N/A N/A N/A N/A N/A N/A 	
		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		
			I	

Model	TFU-24GIH RS180
Year	2019
Justification for New Antenna	Current antenna is channel specific and cannot be used on post- transition channel. Antenna must be replaced.

Other Antenna Costs Primarv

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Antenna	
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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?	Single Channel
	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

Primary
AntennaOther Antenna Cost Not ListedInformation not provided.

Interim	New Antenna Costs				
Antenna	Section	Question	Response		
	New Antenna Description	Use	Interim		
		Description of Use	N/A		
		Change Type	Lease New		
		Ownership	Leased		
		Owner	American Tower Corp.		
		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 Type	Mounting	Side Mount		
		Antenna position in stack	Not in Stack		
		Polarization	Elliptical		
		Туре	Broadband Slot		
		Number of Stations Supported	4		
		Number of Panels/Bays	24		
		Lower Limit	470.00 MHz		
		Upper Limit	680.00 MHz		
		Design power capacity in use	39.0 %		
		Other Antenna Type	N/A		
		ERP: (Effective Radiated Power)	1000.0 kW		
		Manufacturer			
		Model	TFU-24WB /VP-1-R S230		

Year	2019
Justification for New Antenna	WKCF has no auxiliary antenna. Interim antenna needed while main antenna and transmission line are replaced.

Other Antenna Costs

Interim Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	4
	Frequencies of channels supported	Upper and lower frequency
	Frequency	488.0 MHz - 608.0 MHz
	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?	В
	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	Yes
	transmission line and antenna?	

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
Combiner Connection	transmission line components and labor to connect transmitter to interim antenna combiner
Combiner Installation	WKCF portion of combiner installation

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

Primary	Existing Transmission Line			
Transmissio	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	1850 feet per run	

Primary	New Transmission Line			
Transmissio	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?	No	
		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	1850 feet per run	
		Justification for New Transmission Line	Current transmission line segment length is not compatible with post- transition channel and must be replaced.	

Other Transmission Line Expenses Not Listed Transmission

Interim	New Transmission Line			
Transmissio	n Line Section	Question	Response	
	New Transmission Line Costs	Use	Interim	
		Description of Use	N/A	
		Change Type	Lease New	
		Туре	Rigid	
		Diameter	8 3/16 inches	
		Segment Length	Broadband	
		Other Segment Length		
		Number of parallel runs	1	
		Length	1525 feet per run	
		Justification for New Transmission Line	line needed for interim antenna	

Other Transmission Line Expenses Not Listed Transmission

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

Existing Tower

Primary	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower	Type of change	Modify Existing	
	Description	Tower Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Leased	
		Is this tower consider Complex?	Candelabra	
		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?	Unknown	
	Existing Tower	Do you have a tower registration number?	Yes	
	Structure Registration	ASR Number	1212124	
	Coordinates (NAD83 (Latitude (NAD83)	28° 35' 12.6" N-	
	North American Datum of 1983))	Longitude (NAD83)	081° 04' 57.5" W-	
		Overall Structure Height	1682.07 feet	
		Support Structure Height	1574.13 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	66.93 feet	
		Ground Elevation Above Mean Sea Level	66.93 feet	

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Tower, LLC
Date Constructed	03/18/2002

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
5802	WVEN-TV	DTV
60018	WACX	DTV
9881	WTGL	DTV
24582	WHLV-TV	DTV

Other Types of Users

Users

Tower

WOFT-LD

Primary Tower Modification Costs

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

Tower Rigging Costs

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

Primary Tower

Primary Tower

Other Tower Expenses Not Listed			
Name	Description		
Tower Project Management	(10) hours on Modification project management and (10) hours for RF installation project management for a total of ten (10) days,		
Ground and Building A-E Permit Drawing Package	The generation of a permitting drawing package for one (1) broadcasters /customers.		
Tower Permit Drawing Package	The generation of a permitting drawing package for one (1) broadcasters /customers.		

Outside Professional	Section	Question	Response
	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	760
		Explanation	On site management of transmitter installation, line-antenna replacement, and tower work.
	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 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	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside	Other Professional Services Expenses	s Not Listed
Professiona	I Services Costs	Description
	RF System Test	Testing of the combiner to ensure all frequencies are tuned for optimal patterns per attached ATC documentation.

Site Coordination Meeting	Site coordination meetings with all broadcasters, contractors and vendors involved with the site project.
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	Yes
		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	Yes
	Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
		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 Not Listed

Other

Expenses	Name	Description
	ATC Tax	Tax on ATC provided equipment and services
	ATC one-time tower rental	ATC one-time tower rental during market repack period per attached ATC documentation

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-80	\$1,650,472.40	\$1,611,022.40		\$1,426,507.71	
RF Accessories	\$76,222.30	\$76,222.30	Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote	\$76,222.30	N/A
Shipping	\$13,500.00	\$13,500.00	transmitter shipping per attached GatesAir quote	\$0.00	N/A
Electrical Accessories	\$13,430.49	\$13,430.49	Transmitter manufacturer required surge protection and 300KVA transformer per attached GatesAir quote	\$13,430.49	N/A
Transmitter de-install	\$23,058.00	\$23,058.00	removal of old transmitter	\$5,790.00	N/A
Change Order 2	\$22,885.61	\$22,885.61	8-pole mask filters	\$22,885.61	N/A

Transmitter insallation incidentals	\$5,000.00	\$5,000.00	equipment rental, additional supplies and services required for transmitter installation	\$1,689.00	N/A
UHF - Liquid Cooled Solid State Transmitter 50.1 kW	\$1,297,531.50	\$1,297,531.50	GatesAir quote sections A, B & E. This is the transmitter, mask filter, installation and proof per the FCC "transmitter" definition. Also see attached document for transmitter size justification.	\$1,215,332.75	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$0.00	included in Electrical Accessories	N/A	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$15,150.00	\$14,400.00	N/A	N/A	N/A
Sales Tax	\$97,753.00	\$97,753.00	transmitter sales tax per attached GatesAir quote	\$80,216.06	N/A
Change Order 1	\$10,941.50	\$10,941.50	copper plumbing kits	\$10,941.50	N/A

Sub-total	\$1,650,472.40	\$1,611,022.40	N/A	\$1,426,507.71	N/A
Total for all systems	\$4,059,673.81	\$3,322,937.43	N/A	\$1,921,371.75	N/A

Components

Actual Information Description	File Name	
RF Accessories	Component Description: Amount:	WKCF transmitter RF accessories \$76,222.30
Shipping	Information not provided.	
Electrical Accessories	Component Description: Amount:	WKCF transmitter electrical accessories \$13,430.49
Transmitter de-install	Component Description: Amount:	transmitter removal to provide space for repack transmitter \$5,790.00
Change Order 2	Component Description: Amount:	WKCF transmitter CO2 \$22,885.61
Transmitter insallation incidentals	Component Description: Amount:	WKCF transmitter installation lift rental \$1,689.00

UHF - Liquid Cooled Solid State Transmitter 50.1 kW	Component Description	WKCF transmitter
	Component Description:	one-third prior to
		shipping. Invoice
		with supporting
		documentation.
	Amount:	\$481,216.30
	Component Description:	Transmitter 2nd
		deposit
	Amount:	\$264,187.87
	Component Description:	WKCF transmitter 4
	Amount:	\$318,904.14
	Component Description:	Transmitter 1st
		deposit
	Amount:	\$151,024.44
Switchgear - industrial 800 amp	Information not provided.	
Transformer 3 phase/480v - 300 KVA	Information not provided.	
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Sales Tax		
	Component Description:	WKCF transmitter
		sales tax 1
	Amount:	\$80,216.06
Change Order 1		
	Component Description:	WKCF transmitter CO1
	Amount:	\$10,941.50

Antennas

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
Interim Antenna TFU-24WB /VP-1-R S230	\$204,732.00	\$167,152.00		\$41,788.00	
Combiner Installation	\$2,775.00	\$2,775.00	WKCF portion of combiner installation per attached ATC documentation: WKCF Orlando Bithlo 282644 Repack Cost Estimates 6-19- 20181.pdf	\$693.75	N/A
Combiner Connection	\$39,660.00	\$39,660.00	cost per ATC documentation	\$9,915.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$5,400.00	N/A	\$1,350.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$57,150.00	see WKCF Orlando Bithlo 282644 Repack Cost Estimates 6-19- 20181.pdf	\$14,287.50	N/A

Power, Side Mount, basic slot antenna, 24 bay, 1000 kW input, directional, elliptically or circularly polarizedof interim antenna, Primary S266,030.00of interim attached Bithio 282644 Estimates 6-19- 20181.pdfN/ASweep test of existing antenna\$6,730.00\$4,500.00N/A\$1,125.00N/APrimary Antenna TFU-24GIH- R\$180\$266,030.00\$253,100.00N/A\$1,125.00N/AUHF - High power Top Mount (200- 1000 kW), One station antenna\$247,000.00\$235,000.00N/A\$186,999.75N/ASweep test of existing antenna\$266,030.00\$253,100.00N/A\$186,999.75N/ASweep test of existing antenna\$266,030.00\$253,000.00N/A\$186,999.75N/AElbow complex, single channel, at antenna\$12,300.00\$11,700.00N/A\$0.00N/AElbow complex, single channel, at antenna\$12,300.00\$11,700.00N/A\$0.00N/AFile redimenter redimenter antenna\$12,300.00\$11,700.00N/A\$0.00N/A						
of existing antenna Primary Antenna FU-24GIH- RS180 UHF - High Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized Sweep test S6,730.00 \$6,400.00 N/A \$0.00 N/A	Power, Side Mount, basic slot antenna, 24 bay,, 1000 kW input, directional,, elliptically or circularly	\$57,667.00	\$57,667.00	of interim antenna per attached revised ATC documentation: WKCF Orlando Bithlo 282644 Repack Cost Estimates 6-19-	\$14,416.75	N/A
Antenna FFU-24GIH- RS180Station Station antenna, horizontally polarizedS247,000.00 S235,000.00N/A\$186,999.75N/AWie Top Mount (200- 1000 kW), One station antenna, horizontally polarized\$6,730.00\$6,400.00N/A\$0.00N/ASweep test of existing antenna\$6,730.00\$6,400.00N/A\$0.00N/AElbow complex, single channel, at antenna iput, per 6 1/8. feedline (if needed)\$11,700.00N/A\$0.00N/A	of existing	\$6,730.00	\$4,500.00	N/A	\$1,125.00	N/A
Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized\$6,730.00\$6,400.00N/A\$0.00N/ASweep test of existing antenna\$6,730.00\$6,400.00N/A\$0.00N/AElbow complex, single channel, at antenna input, per 6 1/8. teedline (if needed)\$12,300.00\$11,700.00N/A\$0.00N/A	Primary Antenna TFU-24GIH- RS180	\$266,030.00	\$253,100.00		\$186,999.75	
of existing antenna Elbow \$12,300.00 \$11,700.00 N/A \$0.00 N/A complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Power Top Mount (200- 1000 kW), One station antenna, horizontally	\$247,000.00	\$235,000.00	N/A	\$186,999.75	N/A
complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	of existing	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A
Sub-total \$470,762.00 \$420,252.00 N/A \$228,787.75 N/A	complex, single channel, at antenna input, per 6 1/8. feedline (if	\$12,300.00	\$11,700.00	N/A	\$0.00	N/A
	Sub-total	\$470,762.00	\$420,252.00	N/A	\$228,787.75	N/A

Total for	\$4,059,673.81	\$3,322,937.43	N/A	\$1,921,371.75	N/A
all					
systems					

Components

Actual Information Description	File Name	
Combiner Installation	Component Description: Amount:	WKCF combiner installation milestone 1 \$693.75
Combiner Connection	Component Description: Amount:	WKCF combiner connection milestone 1 \$9,915.00
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	WKCF elbow complex milestone 1 \$1,350.00
New combiner, cost per channel (without antenna)	Component Description: Amount:	WKCF combiner milestone 1 \$14,287.50
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 1000 kW input, directional,, elliptically or circularly polarized	Component Description: Amount:	WKCF interim antenna milestone 1 \$14,416.75

antenna	Component Description:	WKCF sweep te milestone 1
	Amount:	\$1,125.00
UHF - High Power Top		
Mount (200-1000 kW), One station antenna, horizontally	Component Description:	Dielectric WKCF
polarized		Main Antenna;
polarized		9.19.2017;
		\$186,999.75
		payments 1&2 -
		45%
	Amount:	\$186,999.75
Sweep test of existing antenna	Information not provided.	
Elbow complex, single	Information not provided.	
channel, at antenna input,		
per 6 1/8. feedline (if		
needed)		

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 Cos Justificatio
Interim Transmission Line	\$608,475.00	\$164,700.00		\$41,175.00	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$608,475.00	\$164,700.00	per attached ATC documentation: WKCF Orlando Bithlo 282644 Repack Cost Estimates 6-19- 20181.pdf	\$41,175.00	N/A
Primary Transmission Line	\$373,700.00	\$355,200.00		\$132,934.50	
Rigid Transmission Line - copper, 6 1/8"	\$373,700.00	\$355,200.00	N/A	\$132,934.50	N/A
Sub-total	\$982,175.00	\$519,900.00	N/A	\$174,109.50	N/A
Total for all systems	\$4,059,673.81	\$3,322,937.43	N/A	\$1,921,371.75	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 8 3/16" broadband	Component Description:	WKCF transmission line milestone 1
	Amount:	\$41,175.00

Rigid Transmission Line - copper, 6 1/8"	Component Description:	WKCF Dielectric transmission line payments 1&2 -
	Amount:	45%; \$132,934.50 \$132,934.50

Tower Equipment and Rigging Costs

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 Justificatior
Primary Tower GTOWER	\$610,900.00	\$443,075.82		\$31,175.82	
Tower Project Management	\$2,500.00	\$2,500.00	per attached ATC documentation	\$625.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$17,500.00	N/A	\$4,375.00	N/A
Tower Permit Drawing Package	\$4,700.00	\$4,700.00	per attached ATC documentation	N/A	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$13,675.82	per updated ATC documentation with tax	\$13,675.82	а
Ground and Building A-E Permit Drawing Package	\$4,700.00	\$4,700.00	per attached ATC documentation	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	see attached tower rigging explanation	\$12,500.00	N/A
Sub-total	\$610,900.00	\$443,075.82	N/A	\$31,175.82	N/A

Total for all	\$4,059,673.81	\$3,322,937.43	N/A	\$1,921,371.75	N/A
systems					

Components

Actual Information Description	File Name	
Tower Project Management	Component Description:	WKCF tower project management milestone 1
	Amount:	\$625.00
Minor tower reinforcement /modifications	Component Description:	WKCF tower modifications
	Amount:	milestone 1 \$4,375.00
Tower Permit Drawing Package	Information not provided.	
Structural engineering tower load study for a documented tower with candelabra	Component Description:	WKCF tower structural analysis
	Amount:	\$4,888.00
	Component Description:	WKCF tower mapping
	Amount:	\$8,787.82
Ground and Building A-E Permit Drawing Package	Information not provided.	
Complex Tower (includes, for example, those with candelabras and/or stacked	Component Description:	WKCF tower work milestone 1
antennas)	Amount:	\$12,500.00

Outside Professional Services

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 Cc Justificat
Outside Professional Services	\$228,348.00	\$213,235.80		\$53,079.56	
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	\$6,102.22	N/A
Transmitter Site Survey	\$20,600.00	\$20,600.00	Transmitter planning survey & transmitter building drawings	\$20,600.00	N/A
Site Coordination Meeting	\$1,000.00	\$1,000.00	per attached ATC documentation	\$250.00	N/A

RF System Test	\$3,333.00	\$3,333.00	Testing of the combiner to ensure all frequencies are tuned for optimal patterns per attached ATC documentation: WKCF Orlando Bithlo 282644 Repack Cost Estimates 6-19- 20181.pdf.	\$833.25	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$15,967.80	see associated invoices	\$15,967.80	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,891.62	N/A

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,247.17	N/A
Project management of the transition	\$120,080.00	\$100,000.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$625.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,550.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,012.50	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,050.00	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, License to Cover Application	\$1,580.00	\$1,535.00	N/A	N/A	N/A
Sub-total	\$228,348.00	\$213,235.80	N/A	\$53,079.56	N/A
Total for all systems	\$4,059,673.81	\$3,322,937.43	N/A	\$1,921,371.75	N/A

Components

Actual Information Description	File Name	
Non-Catalog legal expenses		
	Component Description:	WKCF non-catalog legal 2
	Amount:	\$3,690.02
	Component Description:	WKCF non-catalog
		legal 1
	Amount:	\$2,412.20
Transmitter Site Survey		
	Component Description:	WKCF GatesAir
		Site survey
	Amount:	\$20,600.00

Site Coordination Meeting		
	Component Description:	WKCF site coordination mtng
		milestone 1
	Amount:	\$250.00
RF System Test		
	Component Description:	WKCF interim RF
		system test
		milestone 1
	Amount:	\$833.25
RF Exposure	Information not provided.	
Measurements		
Attorney Fees - Prepare	Information not provided.	
and File request for Special		
Temporary Authorization		
Attorney Fees - Negotiation of lease and other matters		
for shared locations	Component Description:	WKCF legal for
	Amount:	lease negotiations \$348.75
		* • •••• •
	Component Description:	WKCF legal for
		lease negotiations
	Amount:	\$6,835.50
	Component Description:	WKCF legal for
	Amount:	lease negotiations \$8,783.55
		<i>40,</i>
Attorney Fees -Prepare	Information not provided.	
and File FCC Form 2100		
(main), License to Cover Application		

and File FCC Form 2100 (main), Construction Permit Application	Component Description:	WKCF Prepare and File FCC For 2100, Constructio
	Amount:	Permit Application \$1,054.52
	Component Description:	WKCF Prepare and File FCC For 2100, Constructio
	Amount:	Permit Application \$837.10
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare and or review reimbursement form	Component Description:	WKCF Prepare and /or review reimbursement
	Amount:	Form 399 2 \$300.07
	Component Description:	WKCF Prepare an /or review reimbursement Form 399
	Amount:	\$947.10
	Information not provided.	
Project management of the transition		
Address transition timing and coordination issues w/ other stations and wireless	Component Description:	WKCF transition coordination milestone 1

Perform engineering study for new channel assignment and antenna development	Component Description:	WKCF interim antenna development
	Amount:	milestone 1 \$1,250.00
	Component Description:	WKCF engineering study for new
	Amount:	channel assignmen \$125.00
	Component Description:	engineering study for new channel
	Amount:	assignment \$1,375.00
	Component Description:	engineering study for new channel assignment
	Amount:	\$800.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prepare engineering section of FCC Form 2100, Construction
	Amount:	Permit Application \$2,012.50
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	Information not provided.	

RF Consulting Engineer	Information not provided.
Fees- Aux Antenna:	
Prepare engineering	
section of FCC Form 2100,	
License to Cover	
Application	

Other Expenses

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 Co Justificati
Other Expenses	\$117,016.41	\$115,451.41		\$7,711.41	
ATC Tax	\$6,586.41	\$6,586.41	ATC invoice	\$6,586.41	N/A
ATC one-time tower rental	\$57,600.00	\$57,600.00	ATC one-time tower rental during market repack period per attached ATC documentation.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$10,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Local Zoning	\$750.00	\$750.00	per attached ATC documentation	N/A	N/A
Equipment Delivery and Handling Charges	\$4,500.00	\$4,500.00	per attached ATC documentation: WKCF Orlando Bithlo 282644 Repack Cost Estimates 6-19- 20181.pdf	\$1,125.00	N/A

Equipment Storage	\$30,500.00	\$30,500.00	Estimate for 1 year of antenna storage. See attached Dielectric document.	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
MVPD Notification of Channel Change	\$2,500.00	\$2,500.00	Attorney assistance in coordinating MVPD notification	N/A	N/A
Sub-total	\$117,016.41	\$115,451.41	N/A	\$7,711.41	N/A
Total for all systems	\$4,059,673.81	\$3,322,937.43	N/A	\$1,921,371.75	N/A

Components

Actual Information Description	File Name	
ATC Tax		
	Component Description:	WKCF sales tax for ATC invoice milestone 1
	Amount:	\$6,586.41
ATC one-time tower rental	Information not provided.	
DTV Medical Facility Notification	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	

Local Zoning	Information not provided.	
Equipment Delivery and Handling Charges	Component Description: Amount:	WKCF interin delivery and handling milestone 1 \$1,125.00
Equipment Storage	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$4,059,673.81	\$3,322,937.43	\$1,921,371.75	

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		 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 02/07/2019

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
	02/07/2019

Attachments