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

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **71297** | Service: **DTV** | Call Sign: **WCSC-TV** | Channel: **19 (UHF)**

File Number: **0000024799**

FRN: **0018223693** | Date Submitted: **08/18/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC Doing Business As: WCSC	4370 PEACHTREE ROAD, NE ATLANTA, GA 30319 United States	+1 (843) 402-5555	allfcclms@gray.tv	Limited Liability Company

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
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.	Yes
Briefly describe transition plan	Install interim antenna and connect to existing line Install new 7" EIA tx line and connect to existing antenna Will require new combiner for WCSC and WGWG. WGWG is not repacked.

Transmitters

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

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Retune Existing
	Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	Harris
	Model	UAX-2000AT
	Year	2012

	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.5 kW

Auxiliary Transmitter

Retuning Transmitter Costs

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	3 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A

	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Power CD
	Year	2014
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTE-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	30.1 kW
	Justification for New Transmitter	The cost of rental main transmitter coupled with the cost to retune the existing main transmitter is more expensive than the purchase of a comparable solid state transmitter. Quotes attached.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical panel, conduit and wire
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	200.0 square feet
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels	10
	Design power capacity in use	40.0 %
	Lower Limit	470.00 MHz

Upper Limit	690.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	1000.0 kW
Manufacturer	Dielectric
Model	TUP-C3-10-1
Year	2003

Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
21536	WGWG

Primary Antenna

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel
	Frequency	N/A

Enter a list of RF channel numbers.

RF Channel Number
34
19

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Combiner installation	Installation of new combiner.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	2
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz

Upper Limit	686.00 MHz
Design power capacity in use	40.0 %
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	1000.0 kW
Manufacturer	
Model	TFU-WB16
Year	2019
Justification for New Antenna	Interim antenna for use while new transmission line is installed and connected to existing panel antenna.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	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 an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1920 feet per run

Facility ID's and Call Signs of all stations with whom the transmission line is shared.

Facility ID	Call Sign
21536	WGWG

Primary Transmission Line

New Transmission Line

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
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1920 feet per run

	Justification for New Transmission Line	Existing line is not true broadband but has selected cut sections to make the line work on current digital channel 47 and analog channel 5. Will not work on channel 19. Sweep data and comments attached. Existing line to serve as interim.

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Nitrogen	Tanks to pressurize new line
Primary Transmission Line - Other Expenses	Other costs associated with transmission line

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	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1051231
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	32° 55' 29.0" N-
	Longitude (NAD83)	079° 41' 57.0" W-
	Overall Structure Height	1999.98 feet
	Support Structure Height	1999.98 feet
	Ground Elevation Above Mean Sea Level (AMSL)	16.08 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WCSC, LLC
Date Constructed	10/07/2009

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
60039	WIWF	FM
61005	WITV	DTV
21536	WGWG	DTV
60950	WSCI	FM

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:	No 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

Information not provided.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	595
	Explanation	WCSC-TV requires the aid of outside project management services in order to fulfill the requirements of the repack transition.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes

	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	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	No
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	1
	Justification	RF system analysis

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

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	No
	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)?	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

Other Expenses Not Listed

Name	Description
Security	Site Security to deter copper theft
Internal Corporate Project Management	Raycom Media Corp Project management

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-50	**$1,048,823.58**	**$1,072,882.89**		**$995,941.64**	
Other -- Building Addition Size: 200.0	***$2,492.00***	$2,492.00	minor ductwork demolition to allow for new RF system installation. Invoice attached	$2,492.00	N/A
Other Electrical Service: Electrical panel, conduit and wire	***$24,331.58***	$24,331.58	Heat Exchanger disconnect panels, new 480v disconnect, new 400 amp distribution panel. Quote attached Invoices received	$24,331.58	a
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	$947,000.00	$974,759.31	Quote attached	$968,689.06	N/A
Transformer 3 phase /480v - 300 KVA	$36,800.00	$35,000.00	N/A	$0.00	N/A

Switchgear - industrial 800 amp	$38,200.00	$36,300.00	N/A	$429.00	N/A
Auxiliary Transmitter UAX-2000AT	**$109,355.00**	**$12,254.02**		**$12,254.02**	
UHF and VHF - minor banding issues	$105,200.00	$12,254.02	GateAir Invoice US0315882	$12,254.02	N/A
3 kW mask filter	$4,155.00	$0.00	included in retune quote attached	$0.00	N/A
Sub-total	$1,158,178.58	$1,085,136.91	N/A	$1,008,195.66	N/A
Total for all systems	$2,569,857.95	$2,190,630.28	N/A	$1,512,974.66	N/A

Components

Actual Information Description	File Name
Other -- Building Addition Size: 200.0	**Component Description:** Duct Work **Amount:** $2,492.00

Other Electrical Service: Electrical panel, conduit and wire	**Component Description:** **Amount:**	Union, Cast Copper, 1-1/2" Tube, CXC $219.05
	Component Description: **Amount:**	Installed new Channel 2 Tower Transmitter Panel $23,922.00
	Component Description: **Amount:**	Clevis Hanger Adjustable Pipe $190.53
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	**Component Description:** **Amount:**	1/3 of Liquid Cooled Solid state transmitter due prior to shipment $319,229.69
	Component Description: **Amount:**	15% of Liquid Cooled Solid State Transmitter $143,653.36
	Component Description: **Amount:**	ULXTE-50 Per quote $97,475.93
	Component Description: **Amount:**	UXLTE-50 Transmitter $408,330.08
Transformer 3 phase/480v - 300 KVA	Information not provided.	

Switchgear - industrial 800 amp	**Component Description:** **Amount:**	Copper Strap $429.00
UHF and VHF - minor banding issues	**Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:**	Channel Change, Quote GA-00020216 11,092.44 Low Pass Filter, Quote Q-77296 $9,480.91 15% of channel change and proof $1,663.87 Channel Change UAX-2000 per quote $1,109.24
3 kW mask filter	Information not provided.	

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-WB16	**$130,120.70**	**$129,790.70**		**$115,242.78**	
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$3,000.00	Quote attached
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 1000 kW input, directional,, horizontally polarized	***$123,390.70***	$123,390.70	Quote 63001 attached	$112,242.78	Quote: 123,390.7 Invoice Total: 111,290.92
Primary Antenna TUP-C3-10-1	**$105,930.00**	**$21,400.00**		**$1,730.00**	
Combiner installation	***$15,000.00***	$15,000.00	N/A	$1,730.00	N/A
New combiner, cost per channel (without antenna)	$84,200.00	$0.00	Included in TX line quote 67003 attached	$0.00	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$0.00	N/A
Sub-total	$236,050.70	$151,190.70	N/A	$116,972.78	N/A

Total for all systems	$2,569,857.95	$2,190,630.28	N/A	$1,512,974.66	N/A

Components

Actual Information Description	File Name	
Sweep test of existing antenna	**Component Description:** **Amount:**	RF sweep testing of two coax transmission lines $3,000.00
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 1000 kW input, directional,, horizontally polarized	**Component Description:** **Amount:**	T/L 6-75 EIA Length up to 5' fixed flg 1 end/ swivel flg 1 end $951.86
	Component Description: **Amount:**	10% Balance Due $18,747.89
	Component Description: **Amount:**	interim antenna $30,847.68
	Component Description: **Amount:**	interim antenna $61,695.35

Combiner installation	**Component Description:** **Amount:** **Component Description:** **Amount:**	Connect coax output of WGWG-TV transmitter into WCSC-TVs new 2-station RF combiner $1,730.00 Electrical Testing $7,362.25
New combiner, cost per channel (without antenna)	Information not provided.	
Sweep test of existing antenna	**Component Description:** **Amount:**	Engineering Services $2,709.04

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	**$640,326.75**	**$415,235.75**		**$69,739.28**	
Primary Transmission Line - Other Expenses	***$199.53***	$199.53	Please see WCSC Primary Transmission Line - Other Expenses Budget Justification Letter	N/A	N/A
Rigid Transmission Line - copper, 7 3 /16" broadband	$639,360.00	$414,269.00	Quote 67003: 390,816.00 C /O: 2/8/18: 10,015.00 cut sections C/O: 1/23 /18: 13,438.00 cut sections Net: 414,269	$69,106.04	N/A
Nitrogen	***$767.22***	$767.22	see Estimated Cost Justification WCSC-310-Primary Transmission Line - Nitrogen v0	$633.24	N/A
Sub-total	$640,326.75	$415,235.75	N/A	$69,739.28	N/A
Total for all systems	$2,569,857.95	$2,190,630.28	N/A	$1,512,974.66	N/A

Components

Actual Information Description	File Name
Primary Transmission Line - Other Expenses	Information not provided.
Rigid Transmission Line - copper, 7 3/16" broadband	**Component Description:** Elbow, Anchor, Flange quote with change orders attached **Amount:** $8,795.40 **Component Description:** Rigid Transmission Line **Amount:** $21,229.11 **Component Description:** Cylinder Rental (acetylene, nitrogen, oxygen, propane) **Amount:** $48.85 **Component Description:** Reducer, Flange, etc **Amount:** $4,271.33 **Component Description:** Oxygen, Acetylene **Amount:** $150.68 **Component Description:** Rigid Transmission Line 10% Balance Due **Amount:** $39,081.53 **Component Description:** Interim Antenna **Amount:** N/A

	Component Description:	Rigid Transmission Line
	Amount:	$14,769.15
	Component Description:	Interim Antenna
	Amount:	N/A
Nitrogen	**Component Description:**	WCSC-310-Primary Transmission Line - Nitrogen
	Amount:	$133.98
	Component Description:	Nitrogen Industrial 300
	Amount:	$234.62
	Component Description:	Nitrogen industrial 300
	Amount:	$199.31
	Component Description:	Nitrogen Industrial 300
	Amount:	$199.31

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	**$236,800.00**	**$248,600.00**		**$193,100.00**	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	$26,300.00	$18,600.00	Per invoices received	$13,100.00	There is a pre-determined cost that is more than the invoice.
Tall Tower (greater than 500')	$210,500.00	$230,000.00	Per Tower King II proposal C-18-001 (uploaded to LMS)	$180,000.00	N/A
Sub-total	$236,800.00	$248,600.00	N/A	$193,100.00	N/A
Total for all systems	$2,569,857.95	$2,190,630.28	N/A	$1,512,974.66	N/A

Components

Actual Information Description	File Name

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	**Component Description:** **Amount:**	Feasibility Structural Analysis $7,600.00
	Component Description: **Amount:**	WCSC's portion of tower mapping services $5,500.00
	Component Description: **Amount:**	Tower Service - Mapping of WCSC Facility ID # 71297 $5,500.00
Tall Tower (greater than 500')	**Component Description:** **Amount:**	Down payment /mobilization for WCSC $50,000.00
	Component Description: **Amount:**	Completion of Phase 1a of WCSC $130,000.00

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	**$203,660.00**	**$203,425.00**		**$69,407.91**	
Comprehensive coverage verification via field study, if needed	$84,200.00	$80,000.00	N/A	$0.00	N/A
Additional Field Engineering Service, 1 Days	***$0.00***	$0.00	not required	$0.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,500.00	N/A	$868.73	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	$0.00	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,500.00	N/A	$0.00	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$0.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$7,654.66	Estimated cost to be added.
Project management of the transition	$94,010.00	$99,675.00	Please see the attached Widelity quote.	$60,884.52	N/A
Sub-total	$203,660.00	$203,425.00	N/A	$69,407.91	N/A
Total for all systems	$2,569,857.95	$2,190,630.28	N/A	$1,512,974.66	N/A

Components

Actual Information Description	File Name
Comprehensive coverage verification via field study, if needed	Information not provided.
Additional Field Engineering Service, 1 Days	Information not provided.

Attorney Fees - Prepare and File request for Special Temporary Authorization	**Component Description:** **Amount:**	Professional legal services $868.73
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	

Perform engineering study for new channel assignment and antenna development	**Component Description:**	WCSC-530-RF Eng - Engineering Study for New Channel Assignment
	Amount:	$5,279.66
	Component Description:	Engineering study work new channel and antenna development
	Amount:	$125.00
	Component Description:	Engineering study and preparation of engineering portion of FCC Form 2100
	Amount:	$2,250.00
Project management of the transition	**Component Description:**	Project Management
	Amount:	$2,147.65
	Component Description:	Project Management
	Amount:	$3,320.65
	Component Description:	Project Management LMS 387 Q1 Progress Report - Robert E Thurber, 15 mins @ $154.00/hr
	Amount:	$77.00

Component Description: Project Management
Amount: $2,403.80

Component Description: Project Management
Amount: $1,515.65

Component Description: Project Management
Amount: $2,734.60

Component Description: Project Management
Amount: $2,081.25

Component Description: Project Management
Amount: $2,965.95

Component Description: Project Management
Amount: $174.53

Component Description: Project Management
Amount: $3,097.45

Component Description: Project Management
Amount: $112.93

Component Description: Project Management
Amount: $74.43

Component Description: Project Management
Amount: $2,064.80

Component Description: Project Management
Amount: $66.73

Component Description: Project Management
Amount: $1,979.65

Component Description: Project Management
Amount: $25.66

Component Description: Project Management
Amount: $2,950.55

Component Description: Project Management
Amount: $2,531.70

Component Description: Project Management
Amount: $385.01

Component Description: Project Management
Amount: $2,447.25

Component Description: Project Management
Amount: $3,960.35

Component Description:	Project Management
Amount:	$3,240.75
Component Description:	Project Management
Amount:	$2,491.20
Component Description:	Project Management
Amount:	$2,212.45
Component Description:	Project Management
Amount:	$2,269.50
Component Description:	Project Management
Amount:	$3,583.85
Component Description:	Project Management
Amount:	$2,430.70
Component Description:	Project Management
Amount:	$136.03
Component Description:	Project Management
Amount:	$2,540.90
Component Description:	Project management
Amount:	$4,861.55

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificati
Other Expenses	**$94,841.92**	**$87,041.92**		**$55,559.03**	
MVPD Notification of Channel Change	***$0.00***	$0.00	N/A	$0.00	N/A
DTV Medical Facility Notification	$11,550.00	$3,750.00	Group quote attached	$3,750.00	N/A
Equipment Delivery and Handling Charges	***$18,369.92***	$18,369.92	On site forklift rental Per invoice received	$18,369.92	N/A
Equipment Storage	***$20,000.00***	$20,000.00	Estimate for Dielectric on site antenna storage Dielectric letter attached	$0.00	N/A
Develop and air announcement of upcoming channel change	***$2,850.00***	$2,850.00	estimate for on air rescan announcement production. Quote attached	$0.00	N/A
Security	***$7,072.00***	$7,072.00	Hours and cost verification attached with initial quote	$7,072.00	N/A

Internal Corporate Project Management	***$35,000.00***	$35,000.00	Estimated internal labor cost Detailed spreadsheet will be attached for each invoice	$26,367.11	N/A
Sub-total	$94,841.92	$87,041.92	N/A	$55,559.03	N/A
Total for all systems	$2,569,857.95	$2,190,630.28	N/A	$1,512,974.66	N/A

Components

Actual Information Description	**File Name**
MVPD Notification of Channel Change	Information not provided.
DTV Medical Facility Notification	**Component Description:** Medical Notifiaction **Amount:** $3,750.00

Equipment Delivery and Handling Charges	**Component Description:** **Amount:**	Shooting Boom Forklift $3,040.34
	Component Description: **Amount:**	Shooting Boom Forklift Rental $4,772.33
	Component Description: **Amount:**	Shooting Boom Forklift $5,013.32
	Component Description: **Amount:**	Shooting Boom Forklift $5,463.00
	Component Description: **Amount:**	Diesel $80.93
Equipment Storage	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Security	**Component Description:** **Amount:**	Security $2,992.00
	Component Description: **Amount:**	Security $4,080.00
Internal Corporate Project Management	**Component Description:** **Amount:**	Internal Project Management See attachment for details $26,367.11

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$2,569,857.95	$2,190,630.28	$1,512,974.66

Reimbursement Status

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

Certification

Section	Question	Response
Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Robert Folliard , III .** *Assistant Secretary* 08/18/2020

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Robert Folliard , III .** *Assistant Secretary* 08/18/2020

Attachments