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: **71645** | Service: **DTV** | Call Sign: **WLJT-DT** | Channel: **27 (UHF)**

File Number: **0000028599**

FRN: **0001773761** | Date Submitted: **09/05/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WEST TENNESSEE PUBLIC TV COUNCIL, INC	MONICA REESE P.O. BOX 966 MARTIN, TN 38237 United States	+1 (731) 881-7561	MREESE@WLJT.ORG	Not-for-Profit

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
Roy P Stype , III . *Consulting Engineer* *Carl E. Smith Consulting Engineers*	PO Box 807 Bath, OH 44210 United States	+1 (330) 659-4440	rstype@aol.com

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Build Ch 27 repack transmitter in adjacent room. Transition current Ch 47 transmitter into spare sidemount Ch 47 antenna, build new Ch 27 top mount antenna out to patch, transition to new Ch 27 antenna.

Transmitters

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	DHD45P2
	Year	2002
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	5.5 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	UAXTE-24
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	14.4 kW
	Justification for New Transmitter	The manufacturer of the existing transmitter advises that the transmitter cannot be re-tuned to the assigned channel. Limited parts availability.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes

	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Electrical to HVAC.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	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 Transmitter

Other Transmitter Cost Not Listed

Name	Description
HVAC Ice Shield	Protects HVAC from falling ice

Antennas

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

Auxiliary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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)	195.0 kW

Manufacturer	
Model	JA/MS-AL-16
Year	2008

Auxiliary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Backup replacement of ch 47 sidemount
	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?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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)	142.0 kW

Manufacturer	
Model	JA/MS-16 /27 THO
Year	2017
Justification for New Antenna	Replaces sidemount CH 47 backup antenna with sidemount CH 27

Auxiliary 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 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

Auxiliary Antenna

Other Antenna Cost Not Listed

Information not provided.

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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)	285.0 kW

Manufacturer	
Model	JA/MS-32 /47 THO
Year	2013

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	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?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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)	142.0 kW
	Manufacturer	

Model	JA/MS-24 /27
Year	2018
Justification for New Antenna	Cannot be retuned from RF 47 to Rf 27

Primary 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 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 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	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
	Type	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	510 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Auxiliary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	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	Andrew
	Type	Flexible Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	480 feet per run

Auxiliary Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

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?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	35° 42' 12.0" N-
	Longitude (NAD83)	088° 36' 10.0" W-
	Overall Structure Height	499.01 feet
	Support Structure Height	432.74 feet
	Ground Elevation Above Mean Sea Level (AMSL)	667.97 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WEST TENNESSEE PUBLIC TV COUNCIL INC
Date Constructed	01/01/1966

Primary Tower

Tower Modification Costs

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

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	95
	Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	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	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	No
	Additional Field Engineering Service	Yes

Number of Days	10
Justification	It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services.

Outside Professional 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	Yes
	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?	No
	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

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 UAXTE-24	**$872,816.45**	**$692,653.95**		**$647,137.55**	
HVAC Ice Shield	***$13,000.00***	$13,000.00	N/A	$0.00	N/A
RF Consulting Engineer	$5,260.00	$5,000.00	N/A	$0.00	N/A
25 Ton system	$91,500.00	$87,000.00	N/A	$59,685.00	N/A
Other Electrical Service: Electrical to HVAC.	***$52,200.00***	$52,200.00	Electrical invoices exceeded initial estimates. An unexpected invoice from South West Electric found in form 399 line item "Service entrance 3 phase/800 amp/208 volt", threw our electrical cost split out of balance.	$52,200.00	additional electrical work required with demolish of old transmitter for new

3" Rigid Conduit and Wiring (Cost per foot)	$5,200.00	$4,900.00	N/A	$4,800.00	N/A
UHF - Air Cooled Solid State Transmitter 14.4 kW	***$463,556.45***	$463,556.45	Actual invoice from Gates Air included exhaust system that the initial estimate did not include. This is the final and complete value of invoices from Gates Air.	$463,556.45	Problems with 2nd installment in FCC reimbursement system. I was instructed to add an additional component. Missing change orders have been added to the final payment pdf.
Service entrance 3 phase/800 amp/208 volt	$14,400.00	$13,700.00	N/A	$13,698.60	N/A
Switchgear - industrial 800 amp	$38,200.00	$36,300.00	N/A	$36,200.00	N/A
Channel 14 Mask Filter	$189,500.00	$16,997.50	***System Notice: Estimate adjusted and locked because line has been superseded. ***	$16,997.50	N/A
Sub-total	$872,816.45	$692,653.95	N/A	$647,137.55	N/A
Total for all systems	$1,653,181.45	$1,301,243.12	N/A	$1,044,079.24	N/A

Components

Actual Information Description	File Name
HVAC Ice Shield	Information not provided.
RF Consulting Engineer	Information not provided.
25 Ton system	**Component Description:** Damper motor to direct air exhaust away from transmitter. **Amount:** $1,700.00 **Component Description:** cooling/adders for transmitter **Amount:** $57,985.00
Other Electrical Service: Electrical to HVAC.	**Component Description:** electrical to HVAC and labor **Amount:** $32,200.00 **Component Description:** electrical & labor for transmitter **Amount:** $20,000.00 **Component Description:** electrical to transmitter and labor **Amount:** $20,000.00
3" Rigid Conduit and Wiring (Cost per foot)	**Component Description:** 3" rigid conduit & wiring, 60 ft @ $80 /ft **Amount:** $4,800.00

UHF - Air Cooled Solid State Transmitter 14.4 kW	**Component Description:**	final payment for transmitter. Change orders included in pdf. Transmitter Total $463,556.45 WLJT has received $310,872.80 Left to be reimbursed $152,683.65
	Amount:	$152,683.65
	Component Description:	1/3 down payment on transmitter
	Amount:	$155,436.40
	Component Description:	2nd payment due for transmitter shipment
	Amount:	$155,436.40
Service entrance 3 phase /800 amp/208 volt	**Component Description:**	pole installation & primary run-service entrance, transmitter site
	Amount:	$6,898.60
	Component Description:	concrete pad, pad mount transformer to rest upon, labor
	Amount:	$6,800.00
Switchgear - industrial 800 amp	**Component Description:**	Switchgear-industrial 800 amp and labor
	Amount:	$36,200.00

Channel 14 Mask Filter	**Component Description:** **Amount:**	1/2 payment on mask filter $16,997.50

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	Ac Ju
Primary Antenna JA /MS-24/27	**$253,730.00**	**$167,295.33**		**$167,295.33**	
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	$247,000.00	$160,895.33	The original estimate was just a best guess, the actual cost was higher than expected. See attached FCC Ant Letter. pdf, Warmus_invoice_1_17676. pdf, Warmus_2_17729. pdf, Warmus_Contract.pdf	$160,895.33	
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$6,400.00	
Auxiliary Antenna JA /MS-16/27 THO	**$185,530.00**	**$46,776.42**		**$46,776.42**	
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$6,400.00	

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	$89,400.00	$21,556.42	***System Notice: Estimate adjusted and locked because line has been superseded.***	$21,556.42
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	$89,400.00	$18,820.00	***System Notice: Estimate adjusted and locked because line has been superseded.***	$18,820.00
Sub-total	$439,260.00	$214,071.75	N/A	$214,071.75
Total for all systems	$1,653,181.45	$1,301,243.12	N/A	$1,044,079.24

Components

Actual Information Description	File Name

UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	**Component Description:** **Amount:**	final payment on antenna and shipping $91,682.83
	Component Description: **Amount:**	1/2 payment on main antenna $69,212.50
Sweep test of existing antenna	**Component Description:** **Amount:**	Sweep testing for Main antenna $6,400.00
Sweep test of existing antenna	**Component Description:** **Amount:**	Sweep testing of Auxiliary Antenna $6,400.00
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	**Component Description:** **Amount:**	final payment for auxiliary antenna and shipping $21,556.42
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	**Component Description:** **Amount:**	50% payment of auxiliary antenna $18,820.00

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	**$0.00**	**$0.00**		**$0.00**	
Auxiliary Transmission Line	**$0.00**	**$0.00**		**$0.00**	
Sub-total	$0.00	$0.00	N/A	$0.00	N/A
Total for all systems	$1,653,181.45	$1,301,243.12	N/A	$1,044,079.24	N/A

Components

Information not provided.

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	**$254,800.00**	**$310,900.00**		**$159,900.00**	
Short Tower (less than 500')	$84,200.00	$148,900.00	Carl E Smith tower crew had to make two separate trips to rig our 499 ft tower to complete the work required to replace our Primary and Auxiliary antennas.	$148,900.00	Carl E Smith tower crew had to make two separate trips to rig our 499 ft tower to complete the work required to replace our Primary and Auxiliary antennas.
Minor tower reinforcement /modifications	$158,000.00	$150,000.00	N/A	N/A	N/A
Structural engineering tower load study for well documented tower	$12,600.00	$12,000.00	N/A	$11,000.00	N/A
Sub-total	$254,800.00	$310,900.00	N/A	$159,900.00	N/A
Total for all systems	$1,653,181.45	$1,301,243.12	N/A	$1,044,079.24	N/A

Components

Actual Information Description	File Name	
Short Tower (less than 500')	**Component Description:** **Amount:** **Component Description:** **Amount:**	This is the portion of this invoice that applies to rigging and labor related to the primary antenna. Sweep testing($6,400) is withheld from this request to be placed in the another location inside the antenna cost section. $88,440.00 This is the portion of this invoice that applies to rigging and labor related to the auxiliary antenna. Sweep testing($6,400) is withheld from this request to be placed in the another location inside the antenna cost section $60,460.00
Minor tower reinforcement /modifications	Information not provided.	

Structural engineering tower load study for well documented tower	**Component Description:**	Rigorous structural analysis for changes from Ch 14 to Ch 27 and issue report
	Amount:	$5,500.00
	Component Description:	Structural Study on WLJT-TV tower for proposed new antenna /transmission line alterations as required per FCC Repack Directive
	Amount:	$5,500.00

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	**$68,615.00**	**$68,117.42**		**$18,680.79**	
Additional Field Engineering Service, 10 Days	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,500.00	N/A	$390.00	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	$600.00	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	$390.00	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	$1,379.04	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$1,250.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,100.00	N/A	$7,053.08	Actual invoices slightly highe than initial estimate.
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$3,200.00	Actual invoices have come in higher and unexpected issues arose that required more attention.	$3,110.00	N/A
Project management of the transition	$15,010.00	$14,250.00	N/A	$191.25	N/A
Prepare and or review reimbursement form	$2,630.00	$4,317.42	Form 399 has needed to be updated extra times from the initial filing due to unforeseen changes.	$4,317.42	Due to issue with filing the form 399 and reimburseme issues, talkin with the FCC reimburseme department t work out issues, working with the lawyer to make sure filed properly
Sub-total	$68,615.00	$68,117.42	N/A	$18,680.79	N/A

Total for all systems	$1,653,181.45	$1,301,243.12	N/A	$1,044,079.24	N/A

Components

Actual Information Description	File Name
Additional Field Engineering Service, 10 Days	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	**Component Description:** STA Application **Amount:** $390.00
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	**Component Description:** Aux Antenna License for new Channel Assignment **Amount:** $510.00 **Component Description:** Email of Aux License **Amount:** $90.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** review and proposal for revision of draft Schedule A repack construction permit application **Amount:** $390.00
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.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	**Component Description:** **Amount:**	Invoice for completing the engineering section of the CP for the aux antenna. $1,379.04
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	Consolations for CP license prep and filing. $1,250.00
Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:** **Component Description:** **Amount:**	Consolations about signal strength regarding post repack channel assignment. $3,712.50 Preparation of app for construction permit, provide assistance with form 399 and phone /email liaison in regards to above $3,340.58

Address transition timing and coordination issues w/ other stations and wireless	**Component Description:**	Consolations concerning repack.
	Amount:	$1,100.00
	Component Description:	PSA suggested scrip and scope of equipment testing period.
	Amount:	$570.00
	Component Description:	Moving from phase 8 to phase 0
	Amount:	$810.00
	Component Description:	change to phase 0 from 8
	Amount:	$630.00
Project management of the transition	**Component Description:**	quarterly transition plan progress report
	Amount:	$60.00
	Component Description:	Transition progress report review, filing, certification
	Amount:	$131.25
Prepare and or review reimbursement form	**Component Description:**	reimbursement /transition progress report
	Amount:	$129.00
	Component Description:	399 filing, and quarterly progress report filing
	Amount:	$600.42

Component Description:	Reimbursement questions
Amount:	$60.00
Component Description:	Review of Form 399
Amount:	$355.00
Component Description:	Revised copy to include missing information requested by FCC reviewer. Amendment of WLJT Form 399 filing to add additional documentation which was requested by the FCC staff in regards to HVAC modifications.
Amount:	$1,475.00
Component Description:	calls regarding form 399, item entries, LMS, breakdown, help desk problems, reimbursement issues
Amount:	$1,290.00
Component Description:	Review of Schedule 399 and telephone call
Amount:	$240.00

Component Description:	memo regarding initial reimbursement allocation and permissible documentation of cost
Amount:	$78.00
Component Description:	possible repack arrangement with T-Mobile consultation
Amount:	$90.00

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 Cost Justification
Other Expenses	**$17,690.00**	**$15,500.00**		**$4,289.15**	
MVPD Notification of Channel Change	***$1,000.00***	$1,000.00	N/A	$2,023.90	The estimated cost was just an estimate. We thought everything would be lumped together with DTV medical which has $11,000 budgeted.
Develop and air announcement of upcoming channel change	***$1,000.00***	$1,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	***$2,500.00***	$2,500.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$0.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	$335.00	$0.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	$2,265.25	N/A
FCC Filing Fees - Form 2100 minor change CP application	$1,110.00	$0.00	N/A	N/A	N/A
Sub-total	$17,690.00	$15,500.00	N/A	$4,289.15	N/A
Total for all systems	$1,653,181.45	$1,301,243.12	N/A	$1,044,079.24	N/A

Components

Actual Information Description	File Name	
MVPD Notification of Channel Change	**Component Description:** **Amount:** **Component Description:** **Amount:**	MVPD Notification Services $1,813.90 research and report on channel assignment, memo regarding 2nd filing window for alternate channel $210.00
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Delivery and Handling Charges	Information not provided.	

FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	**Component Description:** **Amount:**	DTV notification services for medical facilities $2,265.25
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$1,653,181.45	$1,301,243.12	$1,044,079.24

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.	**Kenneth Robinson** *Director of Engineering* 09/05/2019

Attachments