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: **2495** | Service: **DTV** | Call Sign: **KVEW** | Channel: **27 (UHF)**

File Number: **0000028222**

FRN: **0001575497** | Date Submitted: **04/23/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
APPLE VALLEY BROADCASTING, INC. Doing Business as: Apple Valley Broadcasting, Inc. Doing Business As: APPLE VALLEY BROADCASTING, INC.	Tim A. Anderson 500 W Boone Ave Spokane, WA 99201 United States	+1 (509) 324-4000	Tima@kxly.com	Corporation

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
Tim A Anderson *Corporate Director of Engineering* *Morgan Murphy Media*	Tim A. Anderson 500 West Boone Avenue Spokane, WA 99201 United States	+1 (509) 324-4000	Tima@kxly.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	Strengthen existing single tower. Mount temporary side-mount Ch 44 digital antenna and feedline to tower. Remove existing Ch 44 top mount antenna and replace with Ch 27 top mount. Prewire and plumb new Ch 27 transmitter and cut over to new Ch 27 ops.

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	Diamond CD
	Year	2003
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	7.25 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?	Yes
	Manufacturer	
	Model	ULXTE-20
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	12.9 kW
	Justification for New Transmitter	Existing transmitter cannot be retuned to Repack channel.

Primary 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	Yes

	Description	Modifications to breaker panels and addition of a three phase AC surge suppressor. Existing generator outputs 480 volts. Replacement 208 volt 3 phase generator necessary for Ch 27 Repack transmitter.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	Other
	Other Size	6 tons
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	100.0 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

Name	Description
ULXTE-20	Invoice GO10004855-1

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	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)	160.0 kW

Manufacturer	
Model	TFU-30GTH-R04
Year	2009

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?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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)	160.0 kW
	Manufacturer	

Model	TFU-30GTH /VP R 04
Year	2018
Justification for New Antenna	Existing Ch 44 antenna is not retuneable to Ch 27 Repack frequency. The ordered antenna is an FCC-defined upsell with addition of an ATSC 3.0 vertical transmission component. Elliptical upsell and basic H pol comparative antenna quotations are attached.

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	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 Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	300 feet per run

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	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	100 feet per run
	Justification for New Transmission Line	Repack project requires additional in-building transmission runs to and from new transmitter, existing tower feeds and RF patching assembly.

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description

4 Port RF Patch Panel	Necessary to reroute transmitters between temporary side mount existing channel and new repack channel main antenna.
90 degree 3 inch Elbows	New elbows will be necessary to direct transmission line into new mask filter, RF patch and transmitter.
Dummy Load	Necessary to commission hew transmitter offline prior to the channel transition date.

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?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1263786
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	46° 06' 11.4" N-
	Longitude (NAD83)	119° 08' 00.6" W-
	Overall Structure Height	271.98 feet
	Support Structure Height	220.14 feet
	Ground Elevation Above Mean Sea Level (AMSL)	2129.90 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	APPLE VALLEY BROADCASTING, INC.
Date Constructed	10/08/2008

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

Name	Description
Tower reinforcements	Existing tower will need new structural members added to support increased weight and length of new Ch 27 Repack antenna.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	40
	Explanation	Tower structural engineering, on-site inspection, calculations and bound report of required modifications due to increased weight and wind load of Ch 27 antenna. Three days of on-site antenna change out tower modification management.
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	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No

Number of Days	N/A
Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Electrical Engineer	Design, documentation and seal for Washington State Labor and Industries construction permit. Needed for transmitter building wiring modifications.
Communication Engineer	Hatfield and Dawson Engineering, Seattle, WA will assist in many areas in the preparation and implementation of this Repack rechanneling process.
Structural Engineer	TEC Engineering, Seattle, WA will assist in the upsizing of the current tower to meet the increased weight and length of the new Ch 27 antenna.

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	Yes
	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)?	Yes
	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
Ch 26 Stringent Digital Mask Filter	Licensed KNDU Ch 26 1st Adjacent full power station operates using a standard 4 pole full service mask filter. A full power stringent 8 pole mask will be added to that facility to protect KVEW current coverage area post repack. Includes labor.

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-20	**$704,964.50**	**$580,464.50**		**$452,671.73**	
Other -- Building Addition Size: 100.0	***$1,500.00***	$1,500.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	$494,500.00	$370,000.00	Quoted cost of transmitter sizing for comparable ATSC 1.0 operation. Station purchasing transmitter upsell capable of ATSC 3.0 operation and will expense the difference.	$244,479.04	Change payment date from 4/2/2018 to 2/16/2018. See attached explanation of broadcaster upsell expense coverage certification.
Other -- HVAC Service Type: C Size: 6 (Other)	***$12,000.00***	$12,000.00	N/A	$11,586.53	N/A

ULXTE-20	***$124,964.50***	$124,964.50	Re-submittal of invoice and supporting electronic funds transfer, PO and quote # Q-73920 not yet reimbursed by FCC for the KVEW-TV Gatesair ULXTE-20 Ch 27 transmitter. Posted Jan. 28, 2019.	$124,964.50	2/11/2019 re-submitted Gatesair GO10004855-1 invoice not yet reimbursed by the FCC for Repack Ch 27 transmitter.
Other Electrical Service: Modifications to breaker panels and addition of a three phase AC surge suppressor. Existing generator outputs 480 volts. Replacement 208 volt 3 phase generator necessary for Ch 27 Repack transmitter.	***$72,000.00***	$72,000.00	Local County PUD required unforeseen additional underground wiring and above ground transformers to approve and certify this project.	$71,641.66	As shown on attached FCC variance form, this project required extra labor and due to local Benton Co. PUD new transformer and underground wiring to meet current electrical codes. Tax was added.
Sub-total	$704,964.50	$580,464.50	N/A	$452,671.73	N/A
Total for all systems	$1,491,429.50	$1,170,355.71	N/A	$929,168.05	N/A

Components

Actual Information Description	File Name
Other -- Building Addition Size: 100.0	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	**Component Description:** Transmitter installation, proofing, shipping and tax. **Amount:** $43,248.54 **Component Description:** Station down payment to vendor for replacement transmitter. **Amount:** $124,964.50 **Component Description:** Final transmitter balance payment due station minus the KVEW ATSC 3.0 upgrade cost. Variance sheet attached. **Amount:** $76,266.00 **Component Description:** Gatesair KVEW Ch 27 Repack transmitter 2 of 3 invoices - prior to ship. **Amount:** $124,964.50
Other -- HVAC Service Type: C Size:6 (Other)	**Component Description:** 100% invoicing for HVAC upgrades necessary for Repack transmission plant. **Amount:** $11,586.53

ULXTE-20	**Component Description:**	Outstanding Invoice GO10004855-1 for Ch 27 Repack transmitter. Dated 1/22/2018. Includes cover sheet.
	Amount:	$124,964.50
Other Electrical Service: Modifications to breaker panels and addition of a three phase AC surge suppressor. Existing generator outputs 480 volts. Replacement 208 volt 3 phase generator necessary for Ch 27 Repack transmitter.	**Component Description:**	Payment to Sierra Electric for required 3 Phase 208 volt service metering, generator, and PUD required wiring.
	Amount:	$64,854.16
	Component Description:	Progress payment Sierra Electric for new feeds, panels, generator set
	Amount:	$6,787.50

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	Actual Cost Justification
Primary Antenna TFU-30GTH /VP R 04	**$296,230.00**	**$340,036.21**		**$334,510.56**	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$335,036.21	Cost quote shown is for a direct replacement Ch 27 Dielectric TFU H Pol-only ATSC 1.0 antenna. Station will expense the upsell difference for an elliptical version.	$334,510.56	N/A
Sweep test of existing antenna	$6,730.00	$5,000.00	N/A	N/A	N/A
Sub-total	$296,230.00	$340,036.21	N/A	$334,510.56	N/A
Total for all systems	$1,491,429.50	$1,170,355.71	N/A	$929,168.05	N/A

Components

Actual Information Description	File Name

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:** **Amount:**	Dielectric Ch 27 Repack antenna shipping and storage invoice. $20,544.75
	Component Description: **Amount:**	Gatesair / Dielectric Ch 27 Repack antenna - progress payment 2 of 3 - prior to ship $117,795.87
	Component Description: **Amount:**	Down payment with order to vendor. First of three payments. $117,795.87
	Component Description: **Amount:**	Final antenna payment reimbursement due KVEW upon removal of upgrade amount as shown in variance attachment. $78,374.07
Sweep test of existing antenna	Information not provided.	

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	**$19,150.00**	**$23,840.00**		**$17,094.22**	
Dummy Load	***$14,900.00***	$14,900.00	Necessary to commission new Repack transmitter prior to cut-over with minimal public outage time.	$14,891.33	N/A
90 degree 3 inch Elbows	***$2,250.00***	$2,250.00	Job site transmission line routing more complex than anticipated. Required (4) 90 degree elbows.	$2,202.89	N/A
4 Port RF Patch Panel	***$2,000.00***	$2,000.00	N/A	$0.00	N/A
Rigid Transmission Line - copper, 3 1/8"	$0.00	$4,690.00	Necessary to internally replumb the RF output of the new and existing transmitters into the RF patch panel and dummy load.	N/A	N/A

Sub-total	$19,150.00	$23,840.00	N/A	$17,094.22	N/A
Total for all systems	$1,491,429.50	$1,170,355.71	N/A	$929,168.05	N/A

Components

Actual Information Description	File Name	
Dummy Load	**Component Description:** **Amount:** **Component Description:** **Amount:**	04/23/2019 Resubmittal of BSW Invoice covering required transmitter 25kW dummy load for off-line testing of new components prior to Market Rescan date. This submittal includes the BSW quotation. $14,891.33 BSW - Altronic Air Cooled Dummy Load for Digital Television testing-correction to invoice addressing_02_22_19 $14,891.33
90 degree 3 inch Elbows	**Component Description:** **Amount:**	(4) Myat 3-1/8" flanged transmission line elbows - resubmission of invoice with corrected addressing_02_22_19 $2,202.89

4 Port RF Patch Panel	**Component Description:** **Amount:**	3 Port 3-1/8" 3 Port RF Patch Panel - resubmission of corrected invoice addressing_02_22_19 $1,944.54
Rigid Transmission Line - copper, 3 1/8"	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	**$257,300.00**	**$106,450.00**		**$98,731.00**	
Structural engineering tower load study for well documented tower	$12,600.00	$11,950.00	On site engineering monitoring necessary during tower modifications due to sloping terrain at tower site.	$17,650.00	Early estimated cost was based upon more minor structural tower modifications Final quote and invoicing included design of additional bracing, on-site inspections and special additional temporary rigging calculations. These were safety requirements
Short Tower (less than 500')	$84,200.00	$82,000.00	Weather delays and additional tower reinforcements necessary at the time of erection.	$81,081.00	Tower wiring weather delays and additional structural tower bracing required.

Minor tower reinforcement /modifications	$158,000.00	$10,000.00	Minor hardware upgrades or replacements necessary during change out of top mounted antennas.	N/A	N/A
Tower reinforcements	***$2,500.00***	$2,500.00	N/A	N/A	N/A
Sub-total	$257,300.00	$106,450.00	N/A	$98,731.00	N/A
Total for all systems	$1,491,429.50	$1,170,355.71	N/A	$929,168.05	N/A

Components

Actual Information Description	**File Name**

Structural engineering tower load study for well documented tower	**Component Description:**	KVEW-TV Repack Tower Engineering Company - tower studies and planning, invoice 2726 with completed variance sheet.
	Amount:	$5,000.00
	Component Description:	KVEW-TV Repack Tower Engineering Company - tower studies and planning invoice Final 2725.
	Amount:	$7,110.00
	Component Description:	N/A
	Amount:	N/A
	Component Description:	KVEW-TV Repack Tower Engineering Company - tower studies and planning, invoice 2489.
	Amount:	$5,500.00
	Component Description:	KVEW-TV Repack Tower Engineering Company tower studies and planning, invoice 2546.
	Amount:	$5,040.00

Short Tower (less than 500')	**Component Description:** **Amount:**	Tower reinforcements, Repack Ch 27 replacement for existing Ch 44 antenna and guy re-tensioning. $81,081.00
Minor tower reinforcement /modifications	Information not provided.	
Tower reinforcements	Information not provided.	

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	**$151,355.00**	**$63,700.00**		**$0.00**	
Structural Engineer	***$5,000.00***	$5,000.00	N/A	$0.00	The KVEW tower had unanticipate structural modificatior needed in the antenn change ou process.
Communication Engineer	***$0.00***	$0.00	N/A	N/A	N/A
Electrical Engineer	***$2,500.00***	$2,500.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	$84,200.00	$23,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$225.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	$2,105.00	$225.00	N/A	N/A	N/A

Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	$10,520.00	$0.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	$4,210.00	$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,000.00	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	$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	$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$1,500.00	N/A	$0.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$2,000.00	N/A	N/A	N/A

Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$1,500.00	Engineering time and Per Diem to meet with Ch 26 engineering staff and coordinate installation of new Ch 26 stringent mask filter at their facility.	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	N/A	N/A
Project management of the transition	$6,320.00	$6,000.00	Manufacture's on-site engineering to assist in assembly, configuring, commissioning and collection of data for final proof of performance on Repack channel.	N/A	N/A
Sub-total	$151,355.00	$63,700.00	N/A	$0.00	N/A
Total for all systems	$1,491,429.50	$1,170,355.71	N/A	$929,168.05	N/A

Components

Actual Information Description	File Name

Structural Engineer	**Component Description:** TEC tower structural engineering progress payment #1 **Amount:** $5,500.00 **Component Description:** TEC tower structural engineering analysis and reports - progress invoice #2 **Amount:** $5,040.00 **Component Description:** Delete this request. It was applied for in the Tower Equipment and Rigging Costs section. **Amount:** ($5,040.00) **Component Description:** Delete this request. It was applied for in the Tower Equipment and Rigging Costs section. **Amount:** ($5,500.00)
Communication Engineer	Information not provided.
Electrical Engineer	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.

ASR modification (prepare FCC Form 854)	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
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	Information not provided.

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	H&D Engineers - KVEW Repack progress invoice #6 $956.25
Perform engineering study for new channel assignment and antenna development	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Information not provided.	

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	**$62,430.00**	**$55,865.00**		**$26,160.54**	
Ch 26 Stringent Digital Mask Filter	***$28,000.00***	$28,000.00	Necessary 8 pole Stringent Full Service Mask Filter upgrade for KNDU Ch 26 4 pole full service mask facility to preserve the current coverage area of repacked KVEW at Ch 27. Includes installation.	$26,160.54	N/A
MVPD Notification of Channel Change	***$1,800.00***	$1,800.00	Local newspaper publication notifications.	N/A	N/A
Develop and air announcement of upcoming channel change	***$10,350.00***	$10,350.00	Production of spot, $350. Airtime for 300 - 30 second announcements, $10,000.	N/A	N/A

Equipment Storage	***$3,000.00***	$3,000.00	Antenna manufacturer completed assembly of antenna prior to the date of available tower crews. Station studio and transmitter site do not have large enough secure areas to store vulnerable equipment on-site. Antenna securely stored near manufacturer.	N/A	N/A
Equipment Delivery and Handling Charges	***$6,200.00***	$6,200.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$500.00***	$500.00	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
DTV Medical Facility Notification	$11,550.00	$5,000.00	Labor, survey, call back, develop addressing for mailings. Logging and tracking outreach.	N/A	N/A

FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A
Non-zoning permits	***$500.00***	$500.00	Electrical rewiring permitting at transmitter site required by state.	N/A	N/A
Sub-total	$62,430.00	$55,865.00	N/A	$26,160.54	N/A
Total for all systems	$1,491,429.50	$1,170,355.71	N/A	$929,168.05	N/A

Components

Actual Information	
Description	**File Name**

Ch 26 Stringent Digital Mask Filter	**Component Description:** **Amount:**	Down payment with order for 8 pole critical full service mask filter. First of three invoices. $7,943.31
	Component Description: **Amount:**	Payment - Adjacent Channel Mask Filter $7,943.31
	Component Description: **Amount:**	Gatesair mask filter invoice payment request. $10,273.92
	Component Description: **Amount:**	KVEW Adjacent Channel Digital Mask Filter - Final Progress Payment $10,273.92
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Information not provided.	
Equipment Delivery and Handling Charges	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	

DTV Medical Facility Notification	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Non-zoning permits	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$1,491,429.50	$1,170,355.71	$929,168.05

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.	**TIM A ANDERSON** *Corp. Director of Engineering* 04/23/2019

Attachments