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: **18753** | Service: **DTV** | Call Sign: **WVIZ** | Channel: **35 (UHF)**

File Number: **0000027479**

FRN: **0005277538** | Date Submitted: **11/08/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
IDEASTREAM Doing Business As: IDEASTREAM	KEVIN E. MARTIN IDEA CENTER 1375 EUCLID AVENUE CLEVELAND, OH 44115 United States	+1 (216) 916-6455	kevin.martin@ideastream.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
Jerrold Francis Wareham *Repack Coordinator ideastream*	JERRY WAREHAM IDEA CENTER 1375 EUCLID AVENUE CLEVELAND, OH 44115 United States	+1 (216) 916-6120	jerry.wareham@ideastream.org

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	WVIZ must replace its main antenna and transmitter in order to move it its new channel. It will need to install interim facilities in order to be able to replace the main facility. See attached narrative.

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	Innovator
	Year	2009
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	15 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	ULXTE40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	23 kW
	Justification for New Transmitter	The new transmitter is required because higher TPO for higher ERP to replicate the current signal on the new channel. The replication transmitter is the ULXTE30 (invoice attached). The ULXTE40 is an upgrade to achieve maximization (invoice attached)

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	Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor.
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

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Transmitter Site Suvey	Survey of transmitter site to determine exact facility needs
Switch	Switch, cable and controller for new transmitter and dummy load Dielectric Switch Quote Attached
Dummy Load	New dummy load required for new transmitter see attached quote from Bird
Bypass Switch	To provide electrical engineering services for new electrical circuits that need to be added to allow simultaneous operation of the transmitters to maintain service on the original channel during the test period. Osborn Engineering Quote Attached

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?	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	Top Mount
	Antenna position in stack	Top
	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)	150.0 kW

Manufacturer	
Model	TFU-10GTH-RC170
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?	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	Top
	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)	181.0 kW
	Manufacturer	

	Model	TFU-10GTH-R C170 SP
	Year	2019
	Justification for New Antenna	Existing main antenna is a coaxial slot antenna that is channel specific and cannot be reused on the new channel.

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.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	
	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 Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	40.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	150.0 kW
	Manufacturer	
	Model	TFU-8WB-R
	Year	2019

	Justification for New Antenna	WVIZ needs an interim antenna for operation . while it replaces the primary antenna Dielectric Quote Attached

Interim Antenna

Other Antenna Costs

Section	Question	Response
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?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1207 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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1207 feet per run
	Justification for New Transmission Line	Current transmission line has 19.5" segment lengths which will not work for the WVIZ assigned repack Ch. 35. See attached quote.

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Flexible Air
	Diameter	4 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	1000 feet per run
	Justification for New Transmission Line	WVIZ will need an interim transmission line for operation while it replaces its primary transmission line. Dielectric quote attached.

Interim 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?	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?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1265403
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 23' 09.9" N-
	Longitude (NAD83)	081° 41' 20.7" W-
	Overall Structure Height	912.06 feet
	Support Structure Height	912.06 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1040.01 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	6600 Broadview LLC
Date Constructed	06/05/2009

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
73195	WKYC	DTV

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

	Other Tower Expenses Not Listed
Primary Tower	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	160
	Explanation	Project manager needed to manage all work required coordinate vendor and contractor specification development, selection of list for bid solicitation, bid evaluation, vendor /contractor selection /contracting and contract enforcement. See Osborn estimate.
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	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	No

Number of Days	N/A
Justification	N/A

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	Yes
	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)?	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
Employee Time	Time needed by ideastream employees to work on the transition to a new channel.

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 ULXTE40	**$1,020,637.04**	**$860,460.20**		**$441,945.10**	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	$947,000.00	$786,823.16	N/A	$423,285.06	N/A
Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor.	***$15,700.00***	$15,700.00	See attached electrical quote.	N/A	N/A
Switch	***$19,712.00***	$19,712.00	New switch needed for new transmitter and dummy load. Dielectric Quote Attached.	N/A	N/A
Transmitter Site Suvey	***$8,000.00***	$8,000.00	Survey of transmitter site to determine needs	N/A	N/A

Bypass Switch	***$11,565.00***	$11,565.00	WVIZ is not able to connect the new transmitter to the existing Bypass Switch during the interim period between transmitter changes with the existing. Osborn Engineering Quote Attached	N/A	N/A
Dummy Load	***$18,660.04***	$18,660.04	New dummy load required for new transmitter see quote from Bird attached.	$18,660.04	N/A
Sub-total	$1,020,637.04	$860,460.20	N/A	$441,945.10	N/A
Total for all systems	$2,302,662.79	$1,982,931.21	N/A	$801,350.18	N/A

Components

Actual Information Description	File Name

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	**Component Description:** **Amount:** **Component Description:** **Amount:**	One third down payment for transmitter required for replication (total $634,927.60). The additional cost for maximization (total $151,895.56) also attached as JW3004459VI is not reimbursable. $211,642.53 One third second payment for transmitter required for replication (total $634,927.60). The additional cost for maximization (total $151,895.56) second payment of one third invoice also attached is not reimbursable. Quote also attached. $211,642.53
Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor.	Information not provided.	
Switch	Information not provided.	
Transmitter Site Suvey	Information not provided.	
Bypass Switch	Information not provided.	

Dummy Load	**Component Description:** **Amount:**	New Dummy Load Invoice for $18,660.04 attached along with quote. $18,660.04

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-8WB-R	**$96,130.00**	**$51,325.00**		**$40,432.50**	
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	$89,400.00	$44,925.00	Dielectric Quote for Interim Antenna attached	$40,432.50	N/A
Primary Antenna TFU-10GTH-R C170 SP	**$296,230.00**	**$199,536.00**		**$86,911.20**	

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$193,136.00	Quoted cost of antenna from the manufacturer with the upgrade cost related to vertical polarization removed from the overall cost. See attached quote.	$86,911.20	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
Sub-total	$392,360.00	$250,861.00	N/A	$127,343.70	N/A
Total for all systems	$2,302,662.79	$1,982,931.21	N/A	$801,350.18	N/A

Components

Actual Information Description	File Name
Sweep test of existing antenna	Information not provided.

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	**Component Description:** **Amount:** **Component Description:** **Amount:**	See attached Cover Letter. Reimbursement sought for down payment of the Interim Antenna portion of the invoice $20,216.25 See attached cover letter. Reimbursement is sought for the second payment related to the Interim Antenna $20,216.25
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:** **Amount:**	See attached Cover Letter. Reimbursement requested for first payment for amount related to Main Antenna Antenna $67,726.80 Mounting $ 8,798.40 Feed Through $ 7,225.20 Elbow Complex $ 3,160.80 Total $86,911.20 $86,911.20
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
Interim Transmission Line	**$74,000.00**	**$59,448.26**		**$53,503.44**	
Flexible Air Transmission Line - dielectric, 4"	$74,000.00	$59,448.26	Dielectric Quote attached. Line $53,048.26 Sweep $ 6,400.00 Total $59,448.26	$53,503.44	N/A
Primary Transmission Line	**$243,814.00**	**$259,200.00**		**$80,125.65**	
Rigid Transmission Line - copper, 6 1/8"	$243,814.00	$259,200.00	N/A	$80,125.65	N/A
Sub-total	$317,814.00	$318,648.26	N/A	$133,629.09	N/A
Total for all systems	$2,302,662.79	$1,982,931.21	N/A	$801,350.18	N/A

Components

Actual Information Description	File Name

Flexible Air Transmission Line - dielectric, 4"	**Component Description:**	See attached Cover Letter. Reimbursement requested for down payment of the amount related to the Interim Transmission Line. Line $23,871.72 Sweep $ 2,880.00 Total $26,751.72
	Amount:	$26,751.72
	Component Description:	See attached cover letter. Reimbursement is requested for second payment of amount related to interim transmission line. Line $23,871.72 Sweep $ 2,880.00 Total $26,751.72
	Amount:	$26,751.72
Rigid Transmission Line - copper, 6 1/8"	**Component Description:**	See attached Cover Letter. Reimbursement is requested for down payment of amount related to the Main Transmission Line Line $74,759.96 TLSCR'S $ 2,485.69 Sweep $ 2,880.00 Total $80,125.65
	Amount:	$80,125.65

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	**$381,100.00**	**$362,000.00**		**$0.00**	
Structural engineering tower load study for well documented tower	$12,600.00	$12,000.00	N/A	N/A	N/A
Tall Tower (greater than 500')	$210,500.00	$200,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	$158,000.00	$150,000.00	N/A	N/A	N/A
Sub-total	$381,100.00	$362,000.00	N/A	$0.00	N/A
Total for all systems	$2,302,662.79	$1,982,931.21	N/A	$801,350.18	N/A

Components

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 Justificatior
Outside Professional Services	**$55,990.00**	**$56,750.00**		**$23,664.25**	
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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	$1,366.00	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$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

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$900.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$900.00	N/A
Project management of the transition	$25,280.00	$23,000.00	Osborn Engineering Estimate attached. $21,000 Time $ 2,000 Reimbursable $23,000 Total	$14,250.00	N/A
Prepare and or review reimbursement form	$2,630.00	$7,500.00	Required to revise and resubmit Form 399 at the request of the FCC and respond to multiple requests for additional information and documentation regarding reimbursement requests	$6,248.25	Required to revise and resubmit 399 at the request of the FCC
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	N/A	N/A

Sub-total	$55,990.00	$56,750.00	N/A	$23,664.25	N/A
Total for all systems	$2,302,662.79	$1,982,931.21	N/A	$801,350.18	N/A

Components

Actual Information Description	File Name
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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** Legal Services on 6-7-2017 $117 Review of public notice & email to client 6-20-2017 $117 Review draft construction permit modification appliecation and associated emails **Amount:** $234.00 **Component Description:** Legal Services on 7-24-2017 $195 Review of CP authorizations **Amount:** $195.00

Component Description:	See attached cover letter. $296.50 is the amount of this invoice related to Outside Professional Services Attorney Fees Prepare and File FCC Form 2100 (main) Construction Permit.
Amount:	$296.50
Component Description:	See attached cover letter. $39 is the portion of this invoice related to Outside Professional Services Attorney Fees Prepare and File FCC Form 2100 (main) Construction Permit.
Amount:	$39.00
Component Description:	See attached cover letter. $328.50 is the portion of this invoice related to Outside Professional Services Attorney Fees Prepare and File FCC Form 2100 (main) Construction Permit.
Amount:	$328.50

	Component Description:	Legal Services on 5-3-2017 $117 email exchanges with consulting engineer regarding FCC release of TV study update
	Amount:	$117.00
	Component Description:	Includes revised cover letter correcting typo in amount of cost as requested. Legal Services 9-27-2017 $78 Memo to client reports due for CP holders and second filing window notice
	Amount:	$78.00
	Component Description:	Legal Services on 2-10-2017 $78 email exchange with client regarding channel change
	Amount:	$78.00
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	**Component Description:**	Prepare CP Application for WVIZ 6.0
	Amount:	$900.00

Perform engineering study for new channel assignment and antenna development	**Component Description:**	WVIZ - Review of Proposed Dielectric Antenna Pattern and Subsequently Revised Pattern. Conference Call to Discuss Status and Options 3.0 $450.00
	Amount:	$450.00
	Component Description:	WVIZ Repack Call and Data Review 1.5 $225.00
	Amount:	$225.00
	Component Description:	WVIZ Assignment - Review of Population Loss, Preliminary Antenna Comparison (TUA-C4-08) and Potential Interfering Stations 1.5 $225.00
	Amount:	$225.00

Project management of the transition	**Component Description:**	Second invoice for Project Management per Osborn Engineering estimate attached.
	Amount:	$915.00
	Component Description:	Initial invoice for Project Management Services per Osborn Engineering with estimate attached.
	Amount:	$8,400.00
	Component Description:	Third payment for Project Management per Osborn Engineering estimate previously submitted.
	Amount:	$2,610.00
	Component Description:	Repack Project Management Services
	Amount:	$2,325.00
Prepare and or review reimbursement form	**Component Description:**	Review of and Reponse to WVIZ 399 Questions .5 $75.00
	Amount:	$75.00

Component Description:	Legal Services on 8-4-2017 $117 Rev of 399 revision request 8-7-2017 $117 Rev add documentation 8-11-2017 $41.25 File amended 399 8-11-2017 $312 Review amended 399 8-17-2017 $117 Resp client regard CORES
Amount:	$704.25
Component Description:	Review and categorize past invoices to provide information required for reimbursement Invoice reissued to include Tax ID and who did the work
Amount:	$75.00
Component Description:	See attached Cover Letter Prepare and or Review Reimbursement
Amount:	$186.00
Component Description:	See attached cover letter. $273.00 is the portion of this invoice relating to Prepare and or Review Reimbursement Form
Amount:	$273.00

Component Description:	See attached cover letter. $195.00 is the amount of this invoice related to Prepare and or Review Reimbursement Form
Amount:	$195.00
Component Description:	See attached Cover Letter Prepare and or Review Reimbusement
Amount:	$604.50
Component Description:	See attached cover letter. $558 is the amount of this invoice related to Prepare and or Review Reimbursement form
Amount:	$558.00
Component Description:	-Help Prepare 399 1.0 $150.00 - Review of 399 1.0 $150.00 - 399 Narrative Review and Conference Call 2.0 $300.00 - 399 Questions1.0 $150.00
Amount:	$750.00

Component Description:	Legal Services on 5-2-2017 Review of Widelity catalog with client
Amount:	$156.00
Component Description:	- Preliminary Widelity Cost Spreadsheet for WVIZ 1.0 $150.00
Amount:	$150.00
Component Description:	6-14-2017 $195 Resp to client re reimbursement 6-19-2017 $117 Resp to client re 399 6-20-2017 $195 Review Draft Reimburse App 6-28-2017 $624 Review 399 narr conf call & follow up
Amount:	$1,131.00
Component Description:	Legal Services on 7-5-2017 $117 Resp to client re empl. time reimb 7-6-2017 $156 Review empl. time exhibit 7-10-2017 $49.50 File forms 7-10-2017 $468 Rev final 399 and confirm to file
Amount:	$790.50

	Component Description: **Amount:**	Review of FCC Requested 399 Changes, Conference Call and Preparation 4.0 $600 Services provided by engineer Benjamin Pidek $600.00
Address transition timing and coordination issues w/ other stations and wireless	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 Cost Justification
Other Expenses	**$134,761.75**	**$134,211.75**		**$74,768.04**	
Develop and air announcement of upcoming channel change	***$5,000.00***	$5,000.00	N/A	N/A	N/A
Equipment Storage	***$5,000.00***	$5,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	***$23,800.00***	$23,800.00	Shipping and offloading for transmitter and main and interim antennas and transmission lines. See attached quotes.	$4,185.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$5,000.00***	$5,000.00	N/A	N/A	N/A
Non-zoning permits	***$1,000.00***	$1,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	N/A	N/A

Employee Time	***$82,411.75***	$82,411.75	Employee Time Estimate Updated 8-21-18.pdf	$70,583.04	N/A
MVPD Notification of Channel Change	***$1,000.00***	$1,000.00	N/A	N/A	N/A
Sub-total	$134,761.75	$134,211.75	N/A	$74,768.04	N/A
Total for all systems	$2,302,662.79	$1,982,931.21	N/A	$801,350.18	N/A

Components

Actual Information Description	File Name	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Information not provided.	
Equipment Delivery and Handling Charges	**Component Description:** **Amount:**	See attached cover letter. Reimbursement is requested for the down payment of the amount related to Equipment Delivery and Handling Main Antenna and Transmission Line $4,185.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	Information not provided.	

DTV Medical Facility Notification	Information not provided.	
Employee Time	**Component Description:** **Amount:** **Component Description:** **Amount:**	See attached cover letter. This invoice is for the period 10-1-2017 through 9-30-2018. Attached is detailed labor rate calculation for the period along with individual hours and pay stubs. Also attached is a revised estimate for the project. $41,872.54 Invoice as requested, summary of hours to be reimbursed by position, labor rate calculation, individual time records, paystubs for the first date and last date for which reimbursement is requested. $28,710.50
MVPD Notification of Channel Change	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$2,302,662.79	$1,982,931.21	$801,350.18

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.	**Jerrold Wareham** *Repack Coordinator* 11/08/2018

Attachments