



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **70419** | Service: **DCA** | Call **WBXN-CD** | Channel: **36 (UHF)** |  
ID:  
File **0000028062**  
Number:  
FRN: **0013697719** | Date **05/07**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>BELO TV, INC.</b>	Denise Branson, Sr. Paralegal TEGNA Inc. 8350 Broad Street, Suite 2000 Tysons, VA 22102 United States	+1 (703) 873-6606	dbranson@TEGNA.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
<b>Gary Davis</b> <i>Regional Head of Technology and Operations</i> <i>TEGNA, Inc.</i>	Gary Davis 8350 Broad Street Suite 2000 Tysons, VA 22102 United States	+1 (404) 873-9199	gadavis@tegna.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		Change WBXN antenna and transmitter to new assignment

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	MX1501U
	Year	2013
	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	UAXTE-3R23
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.8 kW
	Justification for New Transmitter	Current transmitter manufacturer is out of business. Transmitter cannot be re-tuned.

**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	Yes
	Size	2 inches
	Length	100.0 feet
	Other Electrical Service	Yes

	Description	Additional electrical services required for transmitter installation.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
Interior RF	Interior RF

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Class A
	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) .....	4.0 kW

Manufacturer	
Model	PSILP24BF
Year	2004

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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	Class A
	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) .....	5.92 kW
	Manufacturer	

Model	TFU-12DSB-R-P300BNT
Year	2019
Justification for New Antenna	Licensed side-mount antenna cannot be re-tuned for new post-transition frequency and must be replaced.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	
	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	3 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes

<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

<b>Name</b>	<b>Description</b>
<b>Shipping</b>	\$5,400
<b>Side Mount Brackets</b>	Side Mount Brackets
<b>Reducer</b>	Reducer
<b>Weather Days</b>	Weather Days
<b>Adapter</b>	Adapter

**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	Flexible Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	950 feet per run

Primary  
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
TX Line Sweep	Sweep required to verify post-transition channel measures well on existing line.

**Tower Equipment And Rigging Costs**

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

**Primary Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	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	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1220144
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	29° 54' 22.9" N-
	Longitude (NAD83)	090° 02' 22.1" W-
	Overall Structure Height	1047.89 feet
	Support Structure Height	1047.89 feet
	Ground Elevation Above Mean Sea Level (AMSL)	0.98 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WWL-TV, Inc.
Date Constructed	12/14/2001

**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
74192	WWL-TV	DTV

#### Other Types of Users

Users
WWL TV

#### Primary Tower

#### Tower Modification Costs

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

#### Primary Tower

#### Tower Rigging Costs

Section	Question	Response
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<b>Tower Rigging Costs</b>	Complex Tower	N/A
<b>Helicopter Services Required</b>	Are helicopter services required?	No

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.



**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	155
	Explanation	Fewer PM tasks are needed & OES & 399 work are needed, so the PM total has been reduced to \$150x155hrs (\$23250), a new OES component has been created & funded with part of the \$ removed from PM, & "Prepare & or review reimbursement form" has been increased
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes

Number of Days	5
Justification	\$2,500 per site visit including expenses x 5 days. It is necessary to survey the site, plan the equipment, develop specifications for purchasing, & oversee multiple vendor RF projects. Station does not have available personnel trained in such services.

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

Name	Description
<b>Other Legal Services</b>	Other Legal Services related to the DTV Repack
<b>Other Engineering Services</b>	Other Engineering Services related to the DTV Repack

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	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
Internal Labor	Local and Corporate 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
<b>Primary Transmitter UAXTE-3R23</b>	<b>\$157,570.00</b>	<b>\$120,138.53</b>		<b>\$92,638.53</b>	
Interior RF	<i>\$3,970.00</i>	\$3,970.00	See attached invoices and quote	\$3,970.00	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$88,668.53	See attached / uploaded PDF file titled Gates US0333304 v200130jgv1. pdf"	\$88,668.53	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$2,500.00	N/A	N/A	N/A
Other Electrical Service: Additional electrical services required for transmitter installation.	<i>\$25,000.00</i>	\$25,000.00	Additional electrical services required for transmitter installation.	N/A	N/A
<b>Sub-total</b>	<b>\$157,570.00</b>	<b>\$120,138.53</b>	<b>N/A</b>	<b>\$92,638.53</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$1,225,695.50</b>	<b>\$832,369.53</b>	<b>N/A</b>	<b>\$244,568.25</b>	<b>N/A</b>

### Components

Actual Information	
Description	File Name
Interior RF	<b>Component Description:</b> Osborn 35822 V200423pmv1 <b>Amount:</b> \$663.60
	<b>Component Description:</b> Osborn 35407 V200423pmv1 <b>Amount:</b> \$2,601.60
	<b>Component Description:</b> Osborn 36548 v200513pmv2 <b>Amount:</b> \$704.80
	<b>Component Description:</b> Inv JW30004452-1 WBXN Primary Transmitter 1 3rd dp UL20180719jg v1 <b>Amount:</b> \$26,466.96
	<b>Component Description:</b> Gates US0333304 v200714pmv2 <b>Amount:</b> \$48,968.09
	<b>Component Description:</b> Gates inv #JW30004452-1A Primary Transmitter pmt 2 UL20190416jgv3 <b>Amount:</b> \$13,233.48
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Other Electrical Service: Additional electrical services required for transmitter installation.	Information not provided.

## Cost Information

### Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Antenna TFU-12DSB-R-P300BNT</b>	<b>\$68,704.00</b>	<b>\$94,468.00</b>		<b>\$89,068.00</b>	
Adapter	<i>\$546.00</i>	\$546.00	N/A	\$546.00	N/A
Weather Days	<i>\$15,000.00</i>	\$15,000.00	N/A	\$15,000.00	N/A
Reducer	<i>\$378.00</i>	\$378.00	N/A	\$378.00	N/A
Side Mount Brackets	<i>\$6,750.00</i>	\$6,750.00	N/A	\$6,750.00	N/A
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$1,152.00	N/A	\$1,152.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Per Widely estimate	\$6,400.00	N/A
UHF - Lower Power Side Mount, Class A One Station antenna -- basic	\$26,300.00	\$58,842.00	Required peanut pattern IS NOT an off-the-shelf antenna. See attached / uploaded PDF titled "FDH SIN000484 v200423pmv1".	\$58,842.00	N/A



Shipping	\$5,400.00	\$5,400.00	N/A	N/A	N/A
<b>Sub-total</b>	\$68,704.00	\$94,468.00	N/A	\$89,068.00	N/A
<b>Total for all systems</b>	\$1,225,695.50	\$832,369.53	N/A	\$244,568.25	N/A

Components

Actual Information	
Description	File Name
Adapter	<div> <div>Component Description:</div> <div>Die MAN01183 v190808pmv1</div> </div>
	<div> <div>Amount:</div> <div>\$245.70</div> </div>
	<div> <div>Component Description:</div> <div>Die MAN00920 v190723pmv1</div> </div>
	<div> <div>Amount:</div> <div>\$245.70</div> </div>
	<div> <div>Component Description:</div> <div>Die 553018 v190808pmv1</div> </div>
	<div> <div>Amount:</div> <div>\$54.60</div> </div>
Weather Days	<div> <div>Component Description:</div> <div>FDH SIN005411 v210507pmv2</div> </div>
	<div> <div>Amount:</div> <div>\$15,000.00</div> </div>

Reducer	<table> <tr> <td data-bbox="691 87 1085 358"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1085 87 1428 358"> Die MAN01183 v190808pmv1 \$170.10 </td></tr> <tr> <td data-bbox="691 358 1085 627"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1085 358 1428 627"> Die MAN00920 v190723pmv1 \$170.10 </td></tr> <tr> <td data-bbox="691 627 1085 784"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1085 627 1428 784"> Die 553018 v190808pmv1 \$37.80 </td></tr> </table>	<b>Component Description:</b>  <b>Amount:</b>	Die MAN01183 v190808pmv1 \$170.10	<b>Component Description:</b>  <b>Amount:</b>	Die MAN00920 v190723pmv1 \$170.10	<b>Component Description:</b>  <b>Amount:</b>	Die 553018 v190808pmv1 \$37.80
<b>Component Description:</b>  <b>Amount:</b>	Die MAN01183 v190808pmv1 \$170.10						
<b>Component Description:</b>  <b>Amount:</b>	Die MAN00920 v190723pmv1 \$170.10						
<b>Component Description:</b>  <b>Amount:</b>	Die 553018 v190808pmv1 \$37.80						
Side Mount Brackets	<table> <tr> <td data-bbox="691 784 1085 1052"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1085 784 1428 1052"> Die MAN01183 v190808pmv1 \$3,037.50 </td></tr> <tr> <td data-bbox="691 1052 1085 1321"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1085 1052 1428 1321"> Die MAN00920 v190723pmv1 \$3,037.50 </td></tr> <tr> <td data-bbox="691 1321 1085 1467"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1085 1321 1428 1467"> Die 553018 v190808pmv1 \$675.00 </td></tr> </table>	<b>Component Description:</b>  <b>Amount:</b>	Die MAN01183 v190808pmv1 \$3,037.50	<b>Component Description:</b>  <b>Amount:</b>	Die MAN00920 v190723pmv1 \$3,037.50	<b>Component Description:</b>  <b>Amount:</b>	Die 553018 v190808pmv1 \$675.00
<b>Component Description:</b>  <b>Amount:</b>	Die MAN01183 v190808pmv1 \$3,037.50						
<b>Component Description:</b>  <b>Amount:</b>	Die MAN00920 v190723pmv1 \$3,037.50						
<b>Component Description:</b>  <b>Amount:</b>	Die 553018 v190808pmv1 \$675.00						

Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	<div> <b>Component Description:</b> Die MAN01183 v190808pmv1           </div> <div> <b>Amount:</b> \$518.40           </div>
	<div> <b>Component Description:</b> Die MAN00920 v190723pmv1           </div> <div> <b>Amount:</b> \$518.40           </div>
	<div> <b>Component Description:</b> Die 553018 v190808pmv1           </div> <div> <b>Amount:</b> \$115.20           </div>
Sweep test of existing antenna	<div> <b>Component Description:</b> Die 763047 v200515pmvv1           </div> <div> <b>Amount:</b> \$640.00           </div>
	<div> <b>Component Description:</b> Die MAN01183 v190808pmv1           </div> <div> <b>Amount:</b> \$2,880.00           </div>
	<div> <b>Component Description:</b> Die MAN00920 v190723pmv1           </div> <div> <b>Amount:</b> \$2,880.00           </div>

UHF - Lower Power Side Mount, Class A One Station antenna -- basic	<table> <tr> <td data-bbox="707 174 1015 208"><b>Component Description:</b></td><td data-bbox="1147 174 1342 246">FDH SIN002485 v200626pmv1</td></tr> <tr> <td data-bbox="707 257 815 291"><b>Amount:</b></td><td data-bbox="1147 257 1267 291">\$7,000.50</td></tr> <tr> <td data-bbox="707 398 1015 432"><b>Component Description:</b></td><td data-bbox="1147 398 1329 470">Die MAN01183 v190808pmv1</td></tr> <tr> <td data-bbox="707 481 815 515"><b>Amount:</b></td><td data-bbox="1147 481 1283 515">\$20,178.45</td></tr> <tr> <td data-bbox="707 622 1015 656"><b>Component Description:</b></td><td data-bbox="1147 622 1329 694">Die MAN00920 v190723pmv1</td></tr> <tr> <td data-bbox="707 705 815 739"><b>Amount:</b></td><td data-bbox="1147 705 1283 739">\$20,178.45</td></tr> <tr> <td data-bbox="707 846 1015 880"><b>Component Description:</b></td><td data-bbox="1147 846 1313 918">Die 553018 v190808pmv1</td></tr> <tr> <td data-bbox="707 929 815 963"><b>Amount:</b></td><td data-bbox="1147 929 1267 963">\$4,484.10</td></tr> <tr> <td data-bbox="707 1070 1015 1104"><b>Component Description:</b></td><td data-bbox="1147 1070 1342 1142">FDH SIN000484 v200423pmv1</td></tr> <tr> <td data-bbox="707 1153 815 1187"><b>Amount:</b></td><td data-bbox="1147 1153 1267 1187">\$7,000.50</td></tr> </table>	<b>Component Description:</b>	FDH SIN002485 v200626pmv1	<b>Amount:</b>	\$7,000.50	<b>Component Description:</b>	Die MAN01183 v190808pmv1	<b>Amount:</b>	\$20,178.45	<b>Component Description:</b>	Die MAN00920 v190723pmv1	<b>Amount:</b>	\$20,178.45	<b>Component Description:</b>	Die 553018 v190808pmv1	<b>Amount:</b>	\$4,484.10	<b>Component Description:</b>	FDH SIN000484 v200423pmv1	<b>Amount:</b>	\$7,000.50
<b>Component Description:</b>	FDH SIN002485 v200626pmv1																				
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<b>Amount:</b>	\$7,000.50																				
Shipping	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	\$6,400.00	\$6,400.00		\$0.00	
TX Line Sweep	<i>\$6,400.00</i>	\$6,400.00	N/A	N/A	N/A
Sub-total	\$6,400.00	\$6,400.00	N/A	\$0.00	N/A
Total for all systems	\$1,225,695.50	\$832,369.53	N/A	\$244,568.25	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	\$657,800.00	\$312,500.00		\$0.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$12,500.00	Shared expense with WWL	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$200,000.00	Shared expense with WWL	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$100,000.00	Shared expense with WWL	N/A	N/A
Sub-total	\$657,800.00	\$312,500.00	N/A	\$0.00	N/A
Total for all systems	\$1,225,695.50	\$832,369.53	N/A	\$244,568.25	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 Justification
<b>Outside Professional Services</b>	<b>\$205,587.50</b>	<b>\$169,834.00</b>		<b>\$47,776.01</b>	
Other Engineering Services	<i>\$14,217.50</i>	\$14,217.50	Engineering services not included in any other Form 399 OPS section	\$14,217.50	N/A
Other Legal Services	<i>\$10,000.00</i>	\$10,000.00	Other Legal Services related to the DTV Repack	\$424.09	N/A
Additional Field Engineering Service, 5 Days	<i>\$12,500.00</i>	\$12,500.00	\$2,500 per site visit including expenses x 5 days. It is necessary to survey the site, plan the equipment, develop specifications for purchasing, & oversee multiple vendor RF projects. Station does not have available personnel trained in such services.	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A

Comprehensive coverage verification via field study, if needed	\$84,200.00	\$20,000.00	Add to WWL test.	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	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	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	N/A	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	\$675.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Prepare and or review reimbursement form	\$2,630.00	\$13,866.50	Fewer PM tasks are needed & OES & 399 work are needed, so the PM total has been reduced to \$150x155hrs (\$23250), a new OES component has been created & funded with part of the \$ removed from PM, & "Prepare & or review reimbursement form" has been increased	\$13,866.50	N/A
Project management of the transition	\$24,490.00	\$45,000.00	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399s. Station does not have available personnel or personnel trained in project management for such complex projects.	\$18,592.92	N/A
<b>Sub-total</b>	\$205,587.50	\$169,834.00	N/A	\$47,776.01	N/A

<b>Total for all systems</b>	\$1,225,695.50	\$832,369.53	N/A	\$244,568.25	N/A
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## Components

Actual Information	
Description	File Name
Other Engineering Services	
	<b>Component Description:</b> MSW 7322
	v210329jgv2
	<b>Amount:</b> \$6,625.00
	<b>Component Description:</b> Osborn 38619
	v200714pmv1
	<b>Amount:</b> \$727.50
	<b>Component Description:</b> Osborn 37036
	v210406pmv1
	<b>Amount:</b> \$330.00
	<b>Component Description:</b> Osborn inv #29841
	Other Eng Srvcs
	UL20190322jgv1
	<b>Amount:</b> \$437.50
	<b>Component Description:</b> Osborn 35404
	v191222jgv1
	<b>Amount:</b> \$6,097.50

Other Legal Services	<b>Component Description:</b> Covington inv #60796723 Various Legal UL20181024jgv1  <b>Amount:</b> \$174.42
	<b>Component Description:</b> Covington 60801029 v190712jgv2  <b>Amount:</b> \$144.71
	<b>Component Description:</b> Covington 60801032 v190715jgv2  <b>Amount:</b> \$70.43
	<b>Component Description:</b> Covington 60801029 v190513pmv1  <b>Amount:</b> \$164.44
	<b>Component Description:</b> Covington 60801032 v190530jgv2  <b>Amount:</b> \$70.43
	<b>Component Description:</b> Covington 60805585 v190513pmv1  <b>Amount:</b> \$34.53
Additional Field Engineering Service, 5 Days	Information not provided.
RF Exposure Measurements	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.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	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	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<p><b>Component Description:</b> Osborn 37437 v210412pmv1</p> <p><b>Amount:</b> \$675.00</p>
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
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	<b>Component Description:</b> Osborn 40293 v201216pmv1 <b>Amount:</b> \$30.00	
	<b>Component Description:</b> Osborn 40005 v201216pmv1 <b>Amount:</b> \$1,050.00	
	<b>Component Description:</b> Osborn 33846 v200707pmv2 <b>Amount:</b> \$615.00	
	<b>Component Description:</b> Osborn 37931 v210406pmv1 <b>Amount:</b> \$1,005.00	
	<b>Component Description:</b> Osborn 39384 v201116pmv1 <b>Amount:</b> \$920.00	
	<b>Component Description:</b> Osborn 40958 v201216pmv1 <b>Amount:</b> \$50.00	
	<b>Component Description:</b> Osborn 38619 v200714pmv1 <b>Amount:</b> \$95.00	
	<b>Component Description:</b> Osborn 37036 v210406pmv1 <b>Amount:</b> \$120.00	

<b>Component Description:</b>	Osborn 42164 v210406pmv1
<b>Amount:</b>	\$150.00

<b>Component Description:</b>	Osborn 30015 v191217jgv1
<b>Amount:</b>	\$360.00

<b>Component Description:</b>	Osborn 35009 v191217jgv1
<b>Amount:</b>	\$400.00

<b>Component Description:</b>	Osborn 36547 V200424pmv1
<b>Amount:</b>	\$125.00

<b>Component Description:</b>	Osborn 34589 v190808jgv1
<b>Amount:</b>	\$1,100.00

<b>Component Description:</b>	Osborn 32209 v200116jgv2
<b>Amount:</b>	\$350.00

<b>Component Description:</b>	Osborn 39679 v210127jgv2
<b>Amount:</b>	\$310.00

<b>Component Description:</b>	Osborn 36195 v191217jgv1
<b>Amount:</b>	\$300.00

<b>Component Description:</b>	Osborn 41444 v210406pmv1
<b>Amount:</b>	\$60.00

<b>Component Description:</b>	Osborn 35404 v191222jgv1
<b>Amount:</b>	\$1,165.00

<b>Component Description:</b>	Osborn 35818 v191217jgv1
<b>Amount:</b>	\$655.00

<b>Component Description:</b>	Osborn inv #29002 Amend 399 Form UL20190322jgv1
<b>Amount:</b>	\$3,200.00

<b>Component Description:</b>	Osborn 31138 v191222jgv1
<b>Amount:</b>	\$250.00

<b>Component Description:</b>	Osborn 33863 v191217jgv1
<b>Amount:</b>	\$828.50

<b>Component Description:</b>	Osborn 41739 v210406pmv1
<b>Amount:</b>	\$360.00

<b>Component Description:</b>	Osborn 33672 v190618pmv1
<b>Amount:</b>	\$2,927.50

<b>Component Description:</b>	Osborn 38322 v200724pmv1
<b>Amount:</b>	\$150.00

<b>Component Description:</b>	Osborn 37437 v210412pmv1
<b>Amount:</b>	\$396.50



	<b>Component Description:</b> Osborn 38985 v200714pmv1 <b>Amount:</b> \$650.00
Project management of the transition	<b>Component Description:</b> Osborn inv #29002 Proj mgt 180331-180427 UL20190322jgv1 <b>Amount:</b> \$150.00  <b>Component Description:</b> Osborn 37931 v210406pmv1 <b>Amount:</b> \$255.00  <b>Component Description:</b> Osborn 37931 v210406pmv1 <b>Amount:</b> \$118.50  <b>Component Description:</b> Osborn 39384 v201116pmv1 <b>Amount:</b> \$721.50  <b>Component Description:</b> Osborn 32974 v190617pmv1 <b>Amount:</b> \$75.00  <b>Component Description:</b> Osborn 37036 v210406pmv1 <b>Amount:</b> \$632.00  <b>Component Description:</b> Osborn 37036 v210406pmv1 <b>Amount:</b> \$150.00

<b>Component Description:</b>	Inv 29220 WBXN Proj Mgt 180428- 180525 UL20180706jg v1
<b>Amount:</b>	\$300.00

<b>Component Description:</b>	Osborn 39679 v210127jgv2
<b>Amount:</b>	\$300.00

<b>Component Description:</b>	Osborn 40005 v201216pmv1
<b>Amount:</b>	\$316.00

<b>Component Description:</b>	Osborn 31620 v191217jgv1
<b>Amount:</b>	\$975.00

<b>Component Description:</b>	Osborn 30015 v191217jgv1
<b>Amount:</b>	\$150.00

<b>Component Description:</b>	Osborn 35009 v191217jgv1
<b>Amount:</b>	\$379.00

<b>Component Description:</b>	Osborn 36547 V200424pmv1
<b>Amount:</b>	\$395.00

<b>Component Description:</b>	Osborn 36547 V200424pmv1
<b>Amount:</b>	\$300.00

<b>Component Description:</b>	Osborn 31797 v191217jgv1
<b>Amount:</b>	\$300.00

<b>Component Description:</b>	Osborn 34589 v190808jgv1
<b>Amount:</b>	\$525.00

<b>Component Description:</b>	Osborn 32209 v200116jgv2
<b>Amount:</b>	\$300.00

<b>Component Description:</b>	Osborn 39679 v210127jgv2
<b>Amount:</b>	\$158.00

<b>Component Description:</b>	Osborn 36195 v191217jgv1
<b>Amount:</b>	\$474.00

<b>Component Description:</b>	Osborn 37437 v210412pmv1
<b>Amount:</b>	\$255.00

<b>Component Description:</b>	Osborn 33672 v190716jgv2
<b>Amount:</b>	\$900.00

<b>Component Description:</b>	Osborn inv #26017 Prof srvcs 170607 - 170728 UL20181107jg v1
<b>Amount:</b>	\$7,157.42

<b>Component Description:</b>	Osborn inv #29841 Proj mgt 180526- 180629 UL20190322jgv1
<b>Amount:</b>	\$1,387.50

<b>Component Description:</b>	Osborn 30695 v191217jgv1
<b>Amount:</b>	\$225.00

<b>Component Description:</b>	Osborn inv #28592 Proj mgt thru 180330 UL20190322jgv1
<b>Amount:</b>	\$225.00

<b>Component Description:</b>	Osborn 37437 v210412pmv1
<b>Amount:</b>	\$395.00

<b>Component Description:</b>	Osborn 35404 v191222jgv1
<b>Amount:</b>	\$316.00

<b>Component Description:</b>	Osborn 31138 v191222jgv1
<b>Amount:</b>	\$600.00

<b>Component Description:</b>	Osborn 40293 v201216pmv1
<b>Amount:</b>	\$158.00

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## 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
<b>Other Expenses</b>	<b>\$129,634.00</b>	<b>\$129,029.00</b>		<b>\$15,085.71</b>	
Internal Labor	<i>\$21,744.00</i>	\$21,744.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$6,000.00</i>	\$6,000.00	Prepare notification for all MVPD's of upcoming changes and testing windows.	\$1,835.00	N/A
Develop and air announcement of upcoming channel change	<i>\$6,000.00</i>	\$6,000.00	40 hours at \$150 per hour to shoot, write, produce and edit informational spot.	\$3,270.00	N/A
Equipment Storage	<i>\$7,500.00</i>	\$7,500.00	Per dielectric rate card. 6 months of storage.	\$3,295.00	N/A
Equipment Delivery and Handling Charges	<i>\$25,000.00</i>	\$25,000.00	N/A	\$3,410.71	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A

Non-zoning permits	<b>\$25,000.00</b>	\$25,000.00	N/A	N/A	N/A
Local Zoning	<b>\$200.00</b>	\$200.00	Building permit. 3 cents per 100 dollars of construction cost	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,275.00	N/A
<b>Sub-total</b>	\$129,634.00	\$129,029.00	N/A	\$15,085.71	N/A
<b>Total for all systems</b>	\$1,225,695.50	\$832,369.53	N/A	\$244,568.25	N/A

## Components

Actual Information	
Description	File Name
Internal Labor	Information not provided.
MVPD Notification of Channel Change	<p><b>Component Description:</b> Osborn 36195 v191217jgv1</p> <p><b>Amount:</b> \$1,835.00</p>

Develop and air announcement of upcoming channel change	<p><b>Component Description:</b> 2C Media inv #203806 Creation of channel change announcement UL20181016jgv1</p> <p><b>Amount:</b> \$3,270.00</p>
Equipment Storage	<p><b>Component Description:</b> Die 728006 v200515pmvv1</p> <p><b>Amount:</b> \$3,295.00</p>
Equipment Delivery and Handling Charges	<p><b>Component Description:</b> Die 695011 v200515pmvv1</p> <p><b>Amount:</b> \$381.71</p> <p><b>Component Description:</b> Die 728006 v200515pmvv1</p> <p><b>Amount:</b> \$3,029.00</p>
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Non-zoning permits	Information not provided.
Local Zoning	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.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.

DTV Medical Facility Notification	<table><tr><td data-bbox="687 98 1101 224"><b>Component Description:</b></td><td data-bbox="1101 98 1434 224">RF Notifs 1354 v190925jgv1</td></tr><tr><td data-bbox="687 224 1101 351"><b>Amount:</b></td><td data-bbox="1101 224 1434 351">\$3,275.00</td></tr></table>	<b>Component Description:</b>	RF Notifs 1354 v190925jgv1	<b>Amount:</b>	\$3,275.00
<b>Component Description:</b>	RF Notifs 1354 v190925jgv1				
<b>Amount:</b>	\$3,275.00				



Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$1,225,695.50	\$832,369.53	\$244,568.25

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	Yes
	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	<p>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.</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Jeffrey C Gehman</b>  <i>Engineering Associate</i></p> <p>05/07/2021</p>

## Attachments