



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **32326** | Service: **DTV** | Call **WCNC-TV** | Channel: **24 (UHF)** |  
ID:  
File **0000028031**  
Number:  
FRN: **0003594918** | Date **09/16**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>WCNC-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</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	WCNC will be moving from channel 22 to channel 24. This will require a new antenna, transmission line and transmitter. An interim facility will be required while these modifications take place and throughout assigned phase.

**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	CD3200 P2 Sigma
	Year	2003
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47.2 kW
	Justification for New Transmitter	Station has in excess of 10% TPO headroom and is eligible for a 1-Step-Up Allowance. Reimbursable TPO is 36.0 kW based on initial 90-day filing CP. This would require a ULXTE-60. A 1-Step-Up is the ULXTE-72 and is therefore reimbursable.

**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	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	10 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	100.0 square feet
<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
	Information not provided.

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<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	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) .....	791.0 kW

Manufacturer	
Model	TFU- 22DSC-R C170
Year	2017

Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	828.0 kW
	Manufacturer	

Model	TFU-24JTH-R 4C170 (SP)
Year	2018
Justification for New Antenna	Station's licensed top-mount antenna cannot be re-tuned and must be replaced for new channel assignment.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	7 3/16 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No

<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Name		Description
<b>New Top Plate</b>		Existing top-plate and/or bolt pattern may not work for new top-mount antenna
<b>Shipping</b>		\$6,800

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	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
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	24
	Number of Panels/Bays	24
	Lower Limit	518.00 MHz
	Upper Limit	524.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	791.0 kW
	Manufacturer	
	Model	TFU-16WB C160
	Year	2018

Justification for New Antenna	An interim antenna is necessary to keep station on air during primary antenna replacement & for duration of assigned phase. TFU-24WB cost is equivalent to a single-channel slot interim antenna. A TFU-24WB is required to replicate existing coverage.
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## Interim Antenna

### Other Antenna Costs

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	6 1/8 inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an 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

**Interim  
Antenna**

**Other Antenna Cost Not Listed**

Name	Description
Shipping	\$5,400

**Transmission Line**

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

**Primary Transmission Line****Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2100 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

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

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	Rigid
	Diameter	6 1/8 inches
	Segment Length	20'
	Other Segment Length	
	Number of parallel runs	1
	Length	1870 feet per run

	Justification for New Transmission Line	Interim transmission line is necessary to keep station on air during primary antenna replacement & for duration of assigned phase. 6-1/8" rigid line is required to provide required power rating for replication ERP.
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**Interim 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.
Misc Parts	Misc Parts: Dielectric inv MAN01283 items 7 24 25 26 27 28 29 30 31 32 & 33

**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?	No
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1001294
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	35° 20' 49.4" N-
	Longitude (NAD83)	081° 10' 14.2" W-
	Overall Structure Height	1968.48 feet
	Support Structure Height	1915.99 feet
	Ground Elevation Above Mean Sea Level (AMSL)	786.08 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	WCNC-TV, Inc
	Date Constructed	08/27/1992

**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
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

**Primary Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	845
	Explanation	Fewer PM tasks are needed & OES & 399 work are needed, so the PM total has been reduced to \$150x845hrs (\$126750), 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	2

	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	2
	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	No
	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	20

	Justification	\$2,500 per site visit including expenses x 20 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.
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**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>Pre filing site review</b>	Outside engineering fir review of each facility
<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	No
	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
Generator Load Bank test		Generator Load Bank test
Internal labor		Local and Corporate labor
Transmission Line Installation		Transmission Line Installation
Viewer call assistance service		Viewer call assistance service

## 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 ULXTE-72</b>	<b>\$1,584,812.36</b>	<b>\$1,560,242.33</b>		<b>\$1,548,191.33</b>	
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
Other -- Building Addition Size: 100.0	<b>\$27,497.86</b>	\$27,497.86	New pad required for heat exchangers, transformers, pumps, etc. Equipment must also be shielded.	\$27,497.86	N/A
10 Ton system	\$38,900.00	\$39,877.00	The station obtained the quote included in the attached file titled "WCNC HVAC Justification Letter.pdf"	\$39,877.00	N/A

Other Electrical Service: Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.	<b>\$40,214.50</b>	\$40,214.50	Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.	\$33,063.50	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,447,752.97	See attached /uploaded PDF file titled "Gates JW30004447-4 v191121jgv1.pdf"	\$1,447,752.97	N/A
<b>Sub-total</b>	\$1,584,812.36	\$1,560,242.33	N/A	\$1,548,191.33	N/A
<b>Total for all systems</b>	\$3,816,307.15	\$4,262,719.91	N/A	\$3,445,074.27	N/A

## Components

Actual Information	
Description	File Name
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Other -- Building Addition  
Size: 100.0

**Component Description:** R. Cribb 038857  
1200602pmv1  
**Amount:** \$5,700.00

**Component Description:** Osborn 33408  
v190906jgv1  
**Amount:** \$10.70

**Component Description:** Airgas 9089851042  
v190821pmv1  
**Amount:** \$467.40

**Component Description:** Osborn 32118R  
v190709jgv1  
**Amount:** \$2,935.92

**Component Description:** Airgas 9087280107  
v190821pmv1  
**Amount:** \$201.63

**Component Description:** Osborn 32617  
v190507jgv1  
**Amount:** \$3,849.28

**Component Description:** Gaston 4583  
v200604pmv1  
**Amount:** \$6,104.93

**Component Description:** Simon 416588  
v200114pmv1  
**Amount:** \$6,950.63

**Component Description:** Osborn 32963  
v190613pmv1  
**Amount:** \$8,228.00

10 Ton system	<div> <div>Component Description:</div> <div>STRMECH 920009019 v200210pmv1</div> </div> <div> <div>Amount:</div> <div>\$39,877.00</div> </div>
Other Electrical Service: Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.	<div> <div>Component Description:</div> <div>Crystal 19474257 061619 v190912pmv1</div> </div> <div> <div>Amount:</div> <div>\$442.60</div> </div> <div> <div>Component Description:</div> <div>Power Gen 1667 v190927jgv1</div> </div> <div> <div>Amount:</div> <div>\$4,696.76</div> </div> <div> <div>Component Description:</div> <div>Watson 84284 v191028pmv1</div> </div> <div> <div>Amount:</div> <div>\$8,120.74</div> </div> <div> <div>Component Description:</div> <div>Watson 84347 v200214pmv1</div> </div> <div> <div>Amount:</div> <div>N/A</div> </div> <div> <div>Component Description:</div> <div>Watson 84347 v200626pmv3</div> </div> <div> <div>Amount:</div> <div>\$317.40</div> </div> <div> <div>Component Description:</div> <div>NFB 20190801 v200408pmv2</div> </div> <div> <div>Amount:</div> <div>\$2,034.65</div> </div> <div> <div>Component Description:</div> <div>Watson 84182 v190910pmv1</div> </div> <div> <div>Amount:</div> <div>\$19,486.00</div> </div>

UHF - Liquid Cooled Solid  
State Transmitter 35 - 50  
kW

**Component Description:** Gates JW30004447-  
3 v190829pmv1  
**Amount:** \$675,202.74

**Component Description:** Watson 84347  
v200602pmv2  
**Amount:** N/A

**Component Description:** Gates JW30004447-  
4 v191121jgv1  
**Amount:** \$105,445.37

**Component Description:** Inv JW30004447-1  
WCNC Primary  
Transmitter 1 3rd  
dp UL20180719jg  
v1  
**Amount:** \$444,736.57

**Component Description:** Gates inv  
#JW30004447-1A  
Primary Transmitter  
pmt 2  
UL20190327jgv2  
**Amount:** \$222,368.29

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-16WB C160	\$165,290.24	\$152,063.24		\$122,263.24	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	Per Widelity estimate	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$11,213.00	N/A	\$11,213.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Per Dielectric	N/A	N/A

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 791 kW input, directional,, horizontally polarized	<b>\$111,050.24</b>	\$111,050.24	N/A	\$111,050.24	N/A
Shipping	<b>\$5,400.00</b>	\$5,400.00	N/A	N/A	N/A
<b>Primary Antenna TFU-24JTH-R 4C170 (SP)</b>	<b>\$299,430.00</b>	<b>\$256,551.55</b>		<b>\$220,876.75</b>	
Sweep test of existing antenna	\$6,730.00	\$12,213.50	See attached / uploaded pdf file titled, "FDH SIN008853 v210916pmv1"	\$12,213.50	N/A
Shipping	<b>\$6,800.00</b>	\$6,800.00	N/A	N/A	N/A
New Top Plate	<b>\$25,000.00</b>	\$25,000.00	Existing top-plate and/or bolt pattern may not work for new top-mount antenna	\$13,885.00	N/A
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$8,055.00	Per Dielectric	\$8,055.00	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$204,483.05	See attached Dielectric quotes and invoices and invoices and quotes from other vendors.	\$186,723.25	N/A
<b>Sub-total</b>	\$464,720.24	\$408,614.79	N/A	\$343,139.99	N/A
<b>Total for all systems</b>	\$3,816,307.15	\$4,262,719.91	N/A	\$3,445,074.27	N/A

## Components

Actual Information	
Description	File Name
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	<p><b>Component Description:</b> Die MAN01284 v190719pmv1</p> <p><b>Amount:</b> \$5,045.85</p> <p><b>Component Description:</b> Die MAN01283 v190719pmv1</p> <p><b>Amount:</b> \$5,045.85</p> <p><b>Component Description:</b> Die 588010 v190906pmv1</p> <p><b>Amount:</b> \$1,121.30</p>
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.

Sweep test of existing antenna	Information not provided.
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 791 kW input, directional,, horizontally polarized	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> On Site inv #24540  Nitro generator  Interim Ant  UL20190314jgv1  \$6,527.24 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Die 568007  v190813pmv1  \$10,192.50 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> On Site 24395  v200113pmv1  \$2,598.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Die MAN01284  v190719pmv1  \$45,866.25 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Die MAN01283  v190719pmv1  \$45,866.25 </div> </div>
Shipping	Information not provided.

Sweep test of existing antenna	<table> <tr> <td data-bbox="691 98 1114 293"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1114 98 1426 293"> Die MAN00846 v190809pmv1 \$2,880.00 </td></tr> <tr> <td data-bbox="691 293 1114 533"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1114 293 1426 533"> FDH SIN008853 v210916pmv1 \$5,813.50 </td></tr> <tr> <td data-bbox="691 533 1114 772"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1114 533 1426 772"> Die 613055 v191011pmv1 \$640.00 </td></tr> <tr> <td data-bbox="691 772 1114 1003"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1114 772 1426 1003"> Die MAN01248 v190809pmv1 \$2,880.00 </td></tr> </table>	<b>Component Description:</b>  <b>Amount:</b>	Die MAN00846 v190809pmv1 \$2,880.00	<b>Component Description:</b>  <b>Amount:</b>	FDH SIN008853 v210916pmv1 \$5,813.50	<b>Component Description:</b>  <b>Amount:</b>	Die 613055 v191011pmv1 \$640.00	<b>Component Description:</b>  <b>Amount:</b>	Die MAN01248 v190809pmv1 \$2,880.00
<b>Component Description:</b>  <b>Amount:</b>	Die MAN00846 v190809pmv1 \$2,880.00								
<b>Component Description:</b>  <b>Amount:</b>	FDH SIN008853 v210916pmv1 \$5,813.50								
<b>Component Description:</b>  <b>Amount:</b>	Die 613055 v191011pmv1 \$640.00								
<b>Component Description:</b>  <b>Amount:</b>	Die MAN01248 v190809pmv1 \$2,880.00								
Shipping	Information not provided.								
New Top Plate	<table> <tr> <td data-bbox="691 1077 1114 1317"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1114 1077 1426 1317"> Die 554004 v191113jgv2 N/A </td></tr> <tr> <td data-bbox="691 1317 1114 1556"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1114 1317 1426 1556"> Die MAN01248 v190809pmv1 \$6,248.25 </td></tr> <tr> <td data-bbox="691 1556 1114 1760"> <b>Component Description:</b>   <b>Amount:</b> </td><td data-bbox="1114 1556 1426 1760"> Die 564001 v191220pmv3 \$7,636.75 </td></tr> </table>	<b>Component Description:</b>  <b>Amount:</b>	Die 554004 v191113jgv2 N/A	<b>Component Description:</b>  <b>Amount:</b>	Die MAN01248 v190809pmv1 \$6,248.25	<b>Component Description:</b>  <b>Amount:</b>	Die 564001 v191220pmv3 \$7,636.75		
<b>Component Description:</b>  <b>Amount:</b>	Die 554004 v191113jgv2 N/A								
<b>Component Description:</b>  <b>Amount:</b>	Die MAN01248 v190809pmv1 \$6,248.25								
<b>Component Description:</b>  <b>Amount:</b>	Die 564001 v191220pmv3 \$7,636.75								

Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	<b>Component Description:</b>		Die MAN01248
	<b>Amount:</b>		v190809pmv1
			\$3,624.75
	<b>Component Description:</b>		Die 564001
	<b>Amount:</b>		v191220pmv3
			\$805.50
	<b>Component Description:</b>		Die MAN00846
	<b>Amount:</b>		v190809pmv1
			\$3,624.75

UHF - High Power Top  
Mount (200-1000 kW),  
One station antenna,  
horizontally polarized

**Component Description:** Die MAN00846  
v190809pmv1  
**Amount:** \$79,919.10

**Component Description:** Die 554004  
v191113jgv2  
**Amount:** N/A

**Component Description:** On Site inv #24540  
Nitro generator Prim  
Ant  
UL20190314jgv1  
**Amount:** \$6,527.25

**Component Description:** Die MAN01248  
v190809pmv1  
**Amount:** \$79,919.10

**Component Description:** FDH E-190994  
v200113pmv1  
**Amount:** \$350,175.00

**Component Description:** On Site 24395  
v200113pmv1  
**Amount:** \$2,598.00

**Component Description:** Die 564001  
v191220pmv3  
**Amount:** \$17,759.80

**Component Description:** FDH E-190667  
v200113pmv1  
**Amount:** \$175,087.50

## 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
<b>Interim Transmission Line</b>	<b>\$460,493.94</b>	<b>\$347,887.68</b>		<b>\$347,887.68</b>	
TX Line Sweep	<i>\$6,400.00</i>	\$6,400.00	N/A	\$6,400.00	N/A
Rigid Transmission Line - copper, 6 1/8"	\$377,740.00	\$265,133.74	N/A	\$265,133.74	N/A
Misc Parts	<i>\$76,353.94</i>	\$76,353.94	Misc Parts: Dielectric inv MAN01283 items 7 24 25 26 27 28 29 30 31 32 & 33	\$76,353.94	N/A
<b>Primary Transmission Line</b>	<b>\$54,465.75</b>	<b>\$54,465.75</b>		<b>\$54,465.75</b>	
Misc Parts	<i>\$34,030.75</i>	\$34,030.75	N/A	\$34,030.75	N/A
TX Line Sweep	<i>\$6,500.00</i>	\$6,500.00	N/A	\$6,500.00	N/A
TLSCRs	<i>\$13,935.00</i>	\$13,935.00	TLSCRs for the patch panel	\$13,935.00	N/A
<b>Sub-total</b>	<b>\$514,959.69</b>	<b>\$402,353.43</b>	N/A	<b>\$402,353.43</b>	N/A
<b>Total for all systems</b>	<b>\$3,816,307.15</b>	<b>\$4,262,719.91</b>	N/A	<b>\$3,445,074.27</b>	N/A

### Components

Actual Information			
Description	File Name		
TX Line Sweep	Component Description:	Die 600026 v200127pmv1	
	Amount:	\$640.00	
	Component Description:	Die MAN01284 v190719pmv1	
	Amount:	\$2,880.00	
	Component Description:	Die MAN01283 v190719pmv1	
	Amount:	\$2,880.00	
Rigid Transmission Line - copper, 6 1/8"	Component Description:	Die 585008 v190906pmv1	
	Amount:	\$171.84	
	Component Description:	Die 563032 v190805pmv1	
	Amount:	\$26,496.19	
	Component Description:	Die 600026 v200127pmv1	
	Amount:	\$0.01	
	Component Description:	Die MAN01284 v190719pmv1	
	Amount:	\$119,232.85	
	Component Description:	Die MAN01283 v190719pmv1	
	Amount:	\$119,232.85	
	Misc Parts		

<b>Component Description:</b>	Die 584002 v200106pmv1
<b>Amount:</b>	\$4,587.00

<b>Component Description:</b>	Die 587043 v190906pmv1
<b>Amount:</b>	\$343.70

<b>Component Description:</b>	Die 600026 v200127pmv1
<b>Amount:</b>	\$540.40

<b>Component Description:</b>	Die 600026 v200127pmv1
<b>Amount:</b>	\$176.40

<b>Component Description:</b>	Die MAN01284 v190719pmv1
<b>Amount:</b>	\$27,453.17

<b>Component Description:</b>	Die 563032 v190805pmv1
<b>Amount:</b>	\$4,524.65

<b>Component Description:</b>	Die 585008 v190906pmv1
<b>Amount:</b>	\$2,142.30

<b>Component Description:</b>	Die 592044 v200127pmv1
<b>Amount:</b>	\$1,950.00

<b>Component Description:</b>	Die 928005 v210604pmv1
<b>Amount:</b>	\$3,191.75

	<b>Component Description:</b>	Die MAN01283 v190719pmv1
	<b>Amount:</b>	\$27,453.17
	<b>Component Description:</b>	Die 600026 v200127pmv1
	<b>Amount:</b>	\$3,647.70
	<b>Component Description:</b>	Die 589009 v200127pmv1
	<b>Amount:</b>	\$343.70
Misc Parts	<b>Component Description:</b>	Die 584002 v200106pmv1
	<b>Amount:</b>	\$6,182.00
	<b>Component Description:</b>	Die 600028 v191030pmv2
	<b>Amount:</b>	\$3,260.00
	<b>Component Description:</b>	Die 564001 v191220pmv3
	<b>Amount:</b>	\$24,588.75
TX Line Sweep	<b>Component Description:</b>	RF Analy 1452 v190829pmv1
	<b>Amount:</b>	\$6,500.00

TLSCRs

**Component Description:** Die 564001  
v191220pmv3  
**Amount:** \$447.00

**Component Description:** Die 600028  
v191030pmv2  
**Amount:** \$223.50

**Component Description:** Die MAN01248  
v190809pmv1  
**Amount:** \$3,017.25

**Component Description:** Die MAN00846  
v190809pmv1  
**Amount:** \$3,017.25

**Component Description:** Die 600028  
v191030pmv2  
**Amount:** \$5,655.00

**Component Description:** Die 607020  
v191011pmv1  
**Amount:** \$1,575.00

**Component Description:** Die 585022  
v191113jgv3  
**Amount:** N/A

## 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
<b>Primary Tower TOWER</b>	<b>\$657,800.00</b>	<b>\$1,273,409.00</b>		<b>\$900,641.00</b>	
Tall Tower (greater than 500')	\$210,500.00	\$848,409.00	See attached / uploaded PDF files titled "FDH E-191655 v200204jgv1.pdf", "FDH E-190667 v200205jgv2.pdf" and other invoices / quotes submitted to this Component.	\$848,409.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$31,772.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$20,460.00	N/A
<b>Sub-total</b>	<b>\$657,800.00</b>	<b>\$1,273,409.00</b>	N/A	<b>\$900,641.00</b>	N/A

<b>Total for all systems</b>	\$3,816,307.15	\$4,262,719.91	N/A	\$3,445,074.27	N/A
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## Components

Actual Information	
Description	File Name
Tall Tower (greater than 500')	<div> <div>Component Description:</div> <div>Haas 19CNC-1 v200114pmv1</div> </div> <div> <div>Amount:</div> <div>\$7,598.00</div> </div>
	<div> <div>Component Description:</div> <div>Haas 19CNC-4 v190808jgv1</div> </div> <div> <div>Amount:</div> <div>\$1,023.38</div> </div>
	<div> <div>Component Description:</div> <div>FDH E-162563 v190528jgv2</div> </div> <div> <div>Amount:</div> <div>\$94,490.00</div> </div>
	<div> <div>Component Description:</div> <div>FDH E-191655 v200204jgv1</div> </div> <div> <div>Amount:</div> <div>\$62,942.90</div> </div>
	<div> <div>Component Description:</div> <div>FDH E-190667 v200205jgv2</div> </div> <div> <div>Amount:</div> <div>\$188,828.70</div> </div>
	<div> <div>Component Description:</div> <div>FDH E-162634 v190528jgv2</div> </div> <div> <div>Amount:</div> <div>\$94,490.00</div> </div>
	<div> <div>Component Description:</div> <div>FDH E-162564 v190802jgv1</div> </div> <div> <div>Amount:</div> <div>\$18,176.00</div> </div>

<b>Component Description:</b>	Haas 18CNC-1 v200731pmv2
<b>Amount:</b>	\$1,272.50

<b>Component Description:</b>	FDH E-190994 v200205jgv2
<b>Amount:</b>	\$377,657.40

<b>Component Description:</b>	Haas 19CNC-8 v200731pmv2
<b>Amount:</b>	\$1,589.00

<b>Component Description:</b>	Haas 19CNC-6 v200114pmv1
<b>Amount:</b>	\$341.12

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Major tower reinforcement  
/modifications

**Component Description:** FDH SIN007084  
v210430pmv1  
**Amount:** \$2,733.50

**Component Description:** FDH E-173410  
v191007pmv1  
**Amount:** \$13,152.50

**Component Description:** FDH SIN006735  
v210430pmv1  
**Amount:** \$2,733.50

**Component Description:** FDH E-178900  
v191007pmv1  
**Amount:** \$13,152.50

**Component Description:** FDH E-190667  
v200113pmv1  
**Amount:** \$13,741.20

**Component Description:** FDH E-190994  
v200113pmv1  
**Amount:** \$27,482.40

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<b>Component Description:</b>		TCI 8388
			v210628pmv1
	<b>Amount:</b>		\$3,580.00
	<b>Component Description:</b>		TCI inv #8626
			Feasibility Structural Analysis
			UL20190313jgv1
	<b>Amount:</b>		\$8,260.00
	<b>Component Description:</b>		TCI inv #8079
			Struct Analysis
			UL20190313jgv1
	<b>Amount:</b>		\$8,620.00

## Cost Information

### Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$384,863.75</b>	<b>\$409,514.25</b>		<b>\$127,825.71</b>	
Pre filing site review	<i>\$23,000.00</i>	\$23,000.00	N/A	N/A	N/A
Other Legal Services	<i>\$10,000.00</i>	\$10,000.00	Other Legal Services related to the DTV Repack	\$727.84	N/A
Additional Field Engineering Service, 20 Days	<i>\$50,000.00</i>	\$50,000.00	\$2,500 per site visit including expenses x 20 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	Per Widality estimate	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	Per Widality Estimate	\$0.00	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	\$7,360.00	\$7,000.00	Per Widely estimate	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	Per Widely estimate	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	per Widely estimate	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	Per Widely estimate	\$1,500.00	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	per Widelity estimate	\$675.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	Per Widelity estimate	\$2,650.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	Per Widelity estimate	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	\$42,060.50	The cost estimate includes the initial 399 amendment, anticipated subsequent 399 amendments, and ongoing Actual Cost invoice prep and submission by KGA.	\$42,060.50	N/A

Project management of the transition	\$133,510.00	\$126,750.00	Fewer PM tasks are needed & OES & 399 work are needed, so the PM total has been reduced to \$150x845hrs (\$126750), a new OES component has been created & funded with part of the \$ removed from PM, & "Prepare & or review reimbursement form" has been increased	\$57,758.62	N/A
Other Engineering Services	<b>\$22,453.75</b>	\$22,453.75	The Estimated Cost includes other engineering services such as RF calculations, evolving transition plan calculations, bid spec prep / distribution / award recommendation / etc and discussion, etc.	\$22,453.75	N/A
<b>Sub-total</b>	<b>\$384,863.75</b>	<b>\$409,514.25</b>	<b>N/A</b>	<b>\$127,825.71</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$3,816,307.15</b>	<b>\$4,262,719.91</b>	<b>N/A</b>	<b>\$3,445,074.27</b>	<b>N/A</b>

## Components

Actual Information	
Description	File Name
Pre filing site review	Information not provided.

Other Legal Services	<b>Component Description:</b> Covington 60801029 v190712jgv2 <b>Amount:</b> \$448.46
	<b>Component Description:</b> Covington 60801032 v190715jgv2 <b>Amount:</b> \$70.43
	<b>Component Description:</b> Covington inv #60796723 Various Legal UL20181024jgv1 <b>Amount:</b> \$174.42
	<b>Component Description:</b> Covington 60801029 v190513pmv1 <b>Amount:</b> \$468.19
	<b>Component Description:</b> Covington 60801032 v190528jgv2 <b>Amount:</b> \$70.43
	<b>Component Description:</b> Covington 60805585 v190513pmv1 <b>Amount:</b> \$34.53
Additional Field Engineering Service, 20 Days	Information not provided.
RF Exposure Measurements	Information not provided.

Comprehensive coverage verification via field study, if needed	<b>Component Description:</b> Osborn 39021 v200717pmv1 <b>Amount:</b> \$9,672.55
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 -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	<b>Component Description:</b> Osborn 35808 v200214jgv1 <b>Amount:</b> \$1,500.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<b>Component Description:</b> Osborn 35808 v200214jgv1 <b>Amount:</b> \$675.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b> Osborn 32199 v200619pmv2 <b>Amount:</b> \$2,650.00

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> <b>Amount:</b>	KGA 980-242 v210908pmv1 \$524.00
	<b>Component Description:</b> <b>Amount:</b>	Osborn 38311 v200724pmv1 \$1,650.00
	<b>Component Description:</b> <b>Amount:</b>	Osborn 39669 v201216pmv1 \$2,335.00
	<b>Component Description:</b> <b>Amount:</b>	Osborn 32966 v190617pmv1 \$325.00
	<b>Component Description:</b> <b>Amount:</b>	Osborn 30003 v200622pmv2 \$947.50
	<b>Component Description:</b> <b>Amount:</b>	Osborn 39374 v201116pmv1 \$800.00
	<b>Component Description:</b> <b>Amount:</b>	Osborn 38575 v200717pmv1 \$165.00

<b>Component Description:</b>	Osborn 36185 v210712pmv3
<b>Amount:</b>	\$3,485.00

<b>Component Description:</b>	Osborn 36536 v200608pmv2
<b>Amount:</b>	\$6,400.00

<b>Component Description:</b>	Osborn 37025 v210405pmv1
<b>Amount:</b>	\$2,120.00

<b>Component Description:</b>	Osborn 41434 v210405pmv1
<b>Amount:</b>	\$60.00

<b>Component Description:</b>	Osborn 40281 v201216pmv1
<b>Amount:</b>	\$135.00

<b>Component Description:</b>	Osborn 34999 v200214jgv1
<b>Amount:</b>	\$910.00

<b>Component Description:</b>	Osborn 34579R PRRF v191023jgv1
<b>Amount:</b>	\$2,058.00

<b>Component Description:</b>	Osborn 31131 v200214jgv1
<b>Amount:</b>	\$250.00

<b>Component Description:</b>	Osborn 39983 v201216pmv1
<b>Amount:</b>	\$1,590.00

<b>Component Description:</b>	Osborn 35394 v200214jgv1
<b>Amount:</b>	\$2,280.00

<b>Component Description:</b>	Osborn 32199 v200619pmv2
<b>Amount:</b>	\$425.00

<b>Component Description:</b>	Osborn 41730 v210405pmv1
<b>Amount:</b>	\$510.00

<b>Component Description:</b>	Osborn 37426 v210405pmv1
<b>Amount:</b>	\$2,868.50

<b>Component Description:</b>	Osborn 33664 v190618pmv1
<b>Amount:</b>	\$687.50

<b>Component Description:</b>	Osborn inv #28992 Amend 399 Form UL20190325jgv1
<b>Amount:</b>	\$3,200.00

<b>Component Description:</b>	Osborn 42157 v210405pmv1
<b>Amount:</b>	\$120.00

<b>Component Description:</b>	Osborn 35808 v200214jgv1
<b>Amount:</b>	\$4,765.00

<b>Component Description:</b>	Osborn 37922 v210405pmv1
<b>Amount:</b>	\$3,450.00

	<b>Component Description:</b> Osborn 30003 v200214jgv1 <b>Amount:</b> \$947.50
Project management of the transition	<b>Component Description:</b> Osborn 32199 v200619pmv2 <b>Amount:</b> \$1,650.00  <b>Component Description:</b> Osborn 30003 v200622pmv2 <b>Amount:</b> \$900.00  <b>Component Description:</b> Osborn 39374 v201116pmv1 <b>Amount:</b> \$3,389.00  <b>Component Description:</b> Osborn 36185 v210712pmv3 <b>Amount:</b> \$6,027.50  <b>Component Description:</b> Osborn 36536 v200608pmv2 <b>Amount:</b> \$948.00  <b>Component Description:</b> Osborn 41434 v210405pmv1 <b>Amount:</b> \$158.00  <b>Component Description:</b> Osborn 40281 v201216pmv1 <b>Amount:</b> \$237.00  <b>Component Description:</b> Osborn 39983 v201216pmv1 <b>Amount:</b> \$395.00

<b>Component Description:</b>	Osborn 37922 v210405pmv1
<b>Amount:</b>	\$158.00

<b>Component Description:</b>	Osborn 32825 v190613pmv1
<b>Amount:</b>	\$1,800.60

<b>Component Description:</b>	Osborn 34999 v200214jgv1
<b>Amount:</b>	\$2,291.00

<b>Component Description:</b>	Osborn 31787 v200214jgv1
<b>Amount:</b>	\$975.00

<b>Component Description:</b>	Osborn 34579R PM v191023jgv1
<b>Amount:</b>	\$2,400.00

<b>Component Description:</b>	Osborn 31606 v200214jgv1
<b>Amount:</b>	\$1,875.00

<b>Component Description:</b>	Osborn 31131 v200214jgv1
<b>Amount:</b>	\$1,650.00

<b>Component Description:</b>	Osborn 30481 v200214jgv1
<b>Amount:</b>	\$1,425.00

<b>Component Description:</b>	Osborn 35394 v200214jgv1
<b>Amount:</b>	\$829.50

<b>Component Description:</b>	Osborn 37426 v210405pmv1
<b>Amount:</b>	\$395.00

<b>Component Description:</b>	Osborn 30683 v210629pmv2
<b>Amount:</b>	\$750.00

<b>Component Description:</b>	Osborn 35808 v200214jgv1
<b>Amount:</b>	\$339.59

<b>Component Description:</b>	Osborn 33664 v190716jgv2
<b>Amount:</b>	\$1,350.00

<b>Component Description:</b>	WCNC CM-11-12- 2019-WCNC-TV v191112jgv1
<b>Amount:</b>	(\$687.50)

<b>Component Description:</b>	Inv 29208 WCNC Proj Mgt 180428- 180525 UL20180706jg v1
<b>Amount:</b>	\$1,950.00

<b>Component Description:</b>	Osborn 30003 v200214jgv1
<b>Amount:</b>	\$900.00

<b>Component Description:</b>	Osborn inv #29835 Proj mgt 180526- 180629 UL20190325jgv1
<b>Amount:</b>	\$2,137.50

<b>Component Description:</b>	Osborn 38311 v200724pmv1
<b>Amount:</b>	\$366.00

<b>Component Description:</b>	Osborn 36564A v200507pmv1
<b>Amount:</b>	\$237.00

<b>Component Description:</b>	Osborn 33664 v191112jgv3
<b>Amount:</b>	\$1,275.00

<b>Component Description:</b>	Osborn 32966 v190617pmv1
<b>Amount:</b>	\$1,800.00

<b>Component Description:</b>	Osborn inv #28582 Proj mgt thru 180330 UL20190325jgv1
<b>Amount:</b>	\$600.00

<b>Component Description:</b>	Osborn inv #26021 Prof srvcs 170605 - 170728 UL20181107jg v1
<b>Amount:</b>	\$18,893.43

<b>Component Description:</b>	Osborn inv #28992 Proj mgt 180331- 180427 UL20190325jgv1
<b>Amount:</b>	\$1,725.00

<b>Component Description:</b>	Osborn 40948 v201216pmv1
<b>Amount:</b>	\$158.00

	<b>Component Description:</b>	Osborn 39669 v201216pmv1
	<b>Amount:</b>	\$632.00
	<b>Component Description:</b>	Osborn 41730 v210405pmv1
	<b>Amount:</b>	\$79.00
Other Engineering Services		
	<b>Component Description:</b>	Osborn 38575 v200717pmv1
	<b>Amount:</b>	\$165.00
	<b>Component Description:</b>	Osborn 37025 v210405pmv1
	<b>Amount:</b>	\$3,692.50
	<b>Component Description:</b>	Osborn 35808 v200214jgv1
	<b>Amount:</b>	\$9,347.50
	<b>Component Description:</b>	Osborn inv #29835 Other Eng Srvcs UL20190325jgv1
	<b>Amount:</b>	\$1,762.50
	<b>Component Description:</b>	MSW 7316 v210408jgv2
	<b>Amount:</b>	\$7,486.25

## 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>\$209,151.11</b>	<b>\$208,586.11</b>		<b>\$122,922.81</b>	
Viewer call assistance service	<i>\$19,567.21</i>	\$19,567.21	See attached / uploaded PDF file titled, "Inktel 33996 v200611pmv1".	\$19,567.21	N/A
Transmission Line Installation	<i>\$3,500.00</i>	\$3,500.00	N/A	\$3,500.00	N/A
Internal labor	<i>\$23,405.00</i>	\$23,405.00	N/A	\$388.15	N/A
Generator Load Bank test	<i>\$4,696.75</i>	\$4,696.75	Generator Load Bank test estimate. See the uploaded file titled Gen Load Bank test estimate UL20190412jgv1.pdf	N/A	N/A
MVPD Notification of Channel Change	<i>\$6,000.00</i>	\$6,000.00	Hire third party to notify all MVPD's of upcoming changes.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$6,000.00</i>	\$6,000.00	150 per hour t for 40 hours to write, shoot and produce audience information.	\$3,270.00	N/A

Equipment Storage	<b>\$20,000.00</b>	\$20,000.00	6 months at \$240 per week for antenna and line on 2 flat bed storage. 10K each	\$7,420.30	N/A
Equipment Delivery and Handling Charges	<b>\$58,452.15</b>	\$58,452.15	See attached invoices and quotes where applicable.	\$58,452.15	There differen in cost
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	Per Widely Estimate	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	Per Widely estimate	\$3,275.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	Per Widely Estimate	N/A	N/A
Local Zoning	<b>\$500.00</b>	\$500.00	Local permitting estimate	N/A	N/A
Non-zoning permits	<b>\$25,000.00</b>	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$29,950.00</b>	\$29,950.00	See attached / uploaded PDF files titled "Qcomms QC19-179 v191213jgv1.pdf" and "Qcomms QC19-180 v191216jgv1.pdf"	\$27,050.00	N/A
<b>Sub-total</b>	\$209,151.11	\$208,586.11	N/A	\$122,922.81	N/A
<b>Total for all systems</b>	\$3,816,307.15	\$4,262,719.91	N/A	\$3,445,074.27	N/A

## Components

Actual Information	
Description	File Name
Viewer call assistance service	<p><b>Component Description:</b> Inktel 33996 v200625pmv2</p> <p><b>Amount:</b> \$19,567.21</p>
Transmission Line Installation	<p><b>Component Description:</b> Albert 4560 v190906jgv1</p> <p><b>Amount:</b> \$3,500.00</p>
Internal labor	<p><b>Component Description:</b> Steve Kiser IL-05-14-2018-WCNC v210702pmv2</p> <p><b>Amount:</b> \$388.15</p>
Generator Load Bank test	Information not provided.
MVPD Notification of Channel Change	Information not provided.
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	<b>Component Description:</b> 321 Eq Co 111520 v190821pmv1 <b>Amount:</b> \$353.10
	<b>Component Description:</b> 321 Eq Co 112273 v190826pmv1 <b>Amount:</b> \$353.10
	<b>Component Description:</b> 321 Eq Co 111111 v190821pmv1 <b>Amount:</b> \$353.10
	<b>Component Description:</b> 321 Eq Co 113362 v200113pmv1 <b>Amount:</b> \$117.70
	<b>Component Description:</b> Die 616011 v191227pmv1 <b>Amount:</b> \$3,900.00
	<b>Component Description:</b> 321 Eq Co 111888 v190826pmv1 <b>Amount:</b> \$353.10
	<b>Component Description:</b> 321 Eq Co inv #001 0412507 T Container rental UL20190318jgv1 <b>Amount:</b> \$1,637.10
	<b>Component Description:</b> 321 Eq Co 112639 v190826pmv1 <b>Amount:</b> \$353.10
Equipment Delivery and Handling Charges	

<b>Component Description:</b>	Die 705040 v200729pmv1
<b>Amount:</b>	\$7,728.75

<b>Component Description:</b>	Sunbelt 86797948- 0006 v190911pmv1
<b>Amount:</b>	\$496.76

<b>Component Description:</b>	Sunbelt 86797948- 0003 v190821pmv1
<b>Amount:</b>	\$496.76

<b>Component Description:</b>	Sunbelt 86797948- 0004 v190821pmv1
<b>Amount:</b>	\$496.76

<b>Component Description:</b>	Sunbelt 86797948- 0007 v200113pmv1
<b>Amount:</b>	\$496.76

<b>Component Description:</b>	Sunbelt 86797948- 0010 v200408pmv1
<b>Amount:</b>	\$496.76

<b>Component Description:</b>	Die 584002 v200106pmv1
<b>Amount:</b>	\$2,566.70

<b>Component Description:</b>	Die 587036 v190906pmv1
<b>Amount:</b>	\$3,075.98

<b>Component Description:</b>	Die 594013 v200127pmv1
<b>Amount:</b>	\$1,453.64

<b>Component Description:</b>	Die 601026 v191011pmv1
<b>Amount:</b>	\$4,900.49

<b>Component Description:</b>	Die 597017 v191014pmv1
<b>Amount:</b>	\$1,286.36

<b>Component Description:</b>	Die 600026 v200127pmv1
<b>Amount:</b>	\$1,070.44

<b>Component Description:</b>	Die 608012 v191011pmv1
<b>Amount:</b>	\$422.43

<b>Component Description:</b>	Sunbelt 86797948- 0005 v191001pmv1
<b>Amount:</b>	\$496.76

<b>Component Description:</b>	Sunbelt 86797948- 0009 v200408pmv1
<b>Amount:</b>	\$496.76

<b>Component Description:</b>	Sunbelt 86797948- 0002 v190821pmv1
<b>Amount:</b>	\$496.76

<b>Component Description:</b>	NFB 20190801 v200408pmv2
<b>Amount:</b>	\$50.00

<b>Component Description:</b>	Die 591053 v200127pmv1
<b>Amount:</b>	\$3,539.27

<b>Component Description:</b>	Sunbelt 90134420-0001 v191001pmv1
<b>Amount:</b>	\$228.50

<b>Component Description:</b>	Die 616011 v191227pmv1
<b>Amount:</b>	\$11,812.50

<b>Component Description:</b>	Sunbelt 86797948-0001 v190821pmv1
<b>Amount:</b>	\$768.65

<b>Component Description:</b>	Die 564001 v191220pmv3
<b>Amount:</b>	\$1,883.21

<b>Component Description:</b>	Die 929010 v210604pmv1
<b>Amount:</b>	\$501.29

<b>Component Description:</b>	Die 585022 V191011pmv2
<b>Amount:</b>	\$1,883.21

<b>Component Description:</b>	Sunbelt 86797948-0011 v200408pmv1
<b>Amount:</b>	\$496.76

<b>Component Description:</b>	Die 588010 v190906pmv1
<b>Amount:</b>	\$3,092.33

<b>Component Description:</b>	Sunbelt 86797948-0012 v200408pmv1
<b>Amount:</b>	\$496.76

	<b>Component Description:</b> Die 589009 v200127pmv1 <b>Amount:</b> \$7,671.93
	<b>Component Description:</b> Die 607020 v191011pmv1 <b>Amount:</b> \$985.32
	<b>Component Description:</b> Sunbelt 86797948- 0008 v200113pmv1 <b>Amount:</b> \$496.76
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	<b>Component Description:</b> RF Notif 1189 v190903pmv1 <b>Amount:</b> \$3,275.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Local Zoning	Information not provided.
Non-zoning permits	Information not provided.

Disposal Costs (for equipment and other waste, net of any salvage value)	<b>Component Description:</b>		Qcomms QC19-180
			v191216jgv1
	<b>Amount:</b>		\$2,900.00
	<b>Component Description:</b>		Ace 153
			v190919pmv1
	<b>Amount:</b>		\$1,150.00
	<b>Component Description:</b>		Qcomms QC19-179
			v191213jgv1
	<b>Amount:</b>		\$23,000.00

**Cost  
Information**

**Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,816,307.15	\$4,262,719.91	\$3,445,074.27

**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.	Yes
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>09/16/2021</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</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>09/16/2021</p>

Certification	Section	Question	Response
	Submission of Final Allocation or Accounting Information 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 and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>2. 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>	

3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
4. 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.
5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
6. 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.

**Jeffrey C Gehman**  
*Engineering Associate*

09/16/2021

**Attachments**