



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **21649** | Service: **DTV** | Call **KATU** | Channel: **24 (UHF)** |  
ID: | Sign: |  
File **0000028566**  
Number: |  
FRN: **0023174519** | Date **05/04**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>SINCLAIR PORTLAND LICENSEE, LLC</b> Doing Business As: SINCLAIR PORTLAND LICENSEE, LLC	Harvey Arnold 10706 Beaver Dam Road Cockeysville, MD 21030 United States	+1 (410) 568-1500	harnold@sbgtn.com	Limited Liability Company

## 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>Paul A. Cicelski , Esq .</b> <i>Lerman Senter PLLC</i>	Paul A. Cicelski, Esq. 2001 L Street NW Suite 400 Washington, DC 20036 United States	+1 (202) 416-6756	pcicelski@lermansenter.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.	Yes
Briefly describe transition plan	See Exhibit A.

**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	DTT50KW4
	Year	2000
	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	43.5 kW
	Justification for New Transmitter	The current transmitter cannot be retuned because the manufacturer is out of business.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	800.0 feet
	Other Electrical Service	No

	Description	N/A
<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**

Information not provided.

**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	THU9evo-4
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	10 kW
	Justification for New Transmitter	Power increase and new purchase are the result of moving this aux transmitter to a new tower location, to serve a larger population in the community of license, and because this is a longer duration project in a major market for at least 2 months.

**Interim  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	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	400.0 feet
	Other Electrical Service	No
	Description	N/A
<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
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	No

**Interim  
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
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	3
	Number of Panels	80
	Design power capacity in use	100.0 %
	Lower Limit	470.00 MHz
	Upper Limit	806.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

	Manufacturer	
	Model	PHP80E
	Year	1999

**Facility ID's and Call Signs of  
all stations with whom the  
antenna is shared.**

Facility ID	Call Sign
10192	KRCW-TV
35380	KOIN

Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels/Bays	64
	Lower Limit	478.00 MHz
	Upper Limit	598.00 MHz
	Design power capacity in use	72.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	678.0 kW
	Manufacturer	

Model	TUM25-O4-16/64H-2-R-T
Year	2017
Justification for New Antenna	Current antenna pattern performance does not conform to the former pattern and is not field optimized. See Exhibit C.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	Yes
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	8 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

**Enter a list of RF channel numbers.**

RF Channel Number
33
24
25

**Primary  
Antenna**

**Other Antenna Cost Not Listed**  
Information not provided.

**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?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	Yes
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	598.00 MHz
	Design power capacity in use	1.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	1.0 kW
	Manufacturer	
	Model	TUM-O4-8 /32H-1-R-T
	Year	2017

	Justification for New Antenna	This interim antenna is shared with three stations, and moving to an interim site will reduce time needed for main site construction.
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## Interim Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
<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?	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

**Enter a list of RF channel numbers.**

RF Channel Number
24
25
33

**Interim  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.



**Transmission Line**

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

**Primary**  
**Transmission Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Flexible Air
	Diameter	5 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	4
	Length	1100 feet per run

**Facility ID's and Call Signs of all stations with whom the transmission line is shared.**

Facility ID	Call Sign
10192	KRCW-TV
35380	KOIN

**Primary**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1140 feet per run
	Justification for New Transmission Line	New antenna design is a dual feed input, so the new diameter will handle the input from the three stations for post-repack and the old line will not function for this purpose.

Primary Transmission Line	Other Transmission Line Expenses Not Listed
Information not provided.	

**Interim**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	6 1/8 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	1000 feet per run
	Justification for New Transmission Line	This line will share the signals of three stations during the main antenna replacement.

**Interim**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Information not provided.

**Tower Equipment And Rigging Costs**

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

**Auxiliary Tower**

**Add Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	KATU Skyline (Backup) Tower Site
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	No
	Others Types of Users	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1035761
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	45° 31' 13.0" N-
	Longitude (NAD83)	122° 44' 41.0" W-
	Overall Structure Height	918.62 feet
	Support Structure Height	812.00 feet

Ground Elevation Above Mean Sea Level (AMSL)	954.38 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Sinclair Portland Licensee, LLC
Date Constructed	08/15/1973

### Other Types of Users

Users
Customs Border
KEVE-LD

### Auxiliary 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:	Minor Reinforcements needed

### Auxiliary Tower

#### Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A

<b>Helicopter Services Required</b>	Are helicopter services required?	No
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**Auxiliary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.



**Primary  
Tower**

**Existing Tower**

Section	Question	Response
<b>Existing Tower Description</b>	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?	Yes
	Is tower compliant with Rev G?	Yes
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes
	ASR Number	1207367
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)	45° 30' 57.8" N-
	Longitude (NAD83)	122° 44' 03.1" W-
	Overall Structure Height	989.82 feet
	Support Structure Height	920.92 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1059.04 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

	Tower Owner	Sylvan Tower Co., LLC
	Date Constructed	02/09/2000

**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
53068	KINK	FM
12551	KXJM	FM
26932	KXL-FM	FM
4114	KUPL	FM
4115	KLTH	FM
47707	KNMT	DTV

**Other Types of Users**

Users
Cellular
Satellite Radio

**Primary  
Tower**

**Tower Modification Costs**

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

**Primary  
Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	600
	Explanation	Outside consulting engineering, legal work, and accounting services, as well as project management for regional and comprehensive repack execution.
<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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	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	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	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	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Other Professional Services Expenses Not Listed**  
**Professional Services Costs** Services not provided.

## 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

<b>Other Expenses</b>	<b>Other Expenses Not Listed</b> Information not provided.
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## 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>Interim Transmitter THU9evo-4</b>	<b>\$504,900.00</b>	<b>\$145,467.50</b>		<b>\$0.00</b>	
2" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$10,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$135,467.50	See Rohde & Schwarz attached quote and PO #12719. Includes power meter cost.	N/A	N/A
<b>Primary Transmitter ULXTE-72</b>	<b>\$1,568,800.00</b>	<b>\$1,416,633.33</b>		<b>\$181,695.74</b>	
2" Rigid Conduit and Wiring (Cost per foot)	\$20,800.00	\$20,000.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,325,333.33	See Response to August 22 Inquiry.	\$181,695.74	Non- reimbursable maximization costs are omitted from all transmitter invoice reimbursement requests in accordance with the percentage listed on the invoice under "OE-MAX".
<b>Sub-total</b>	\$2,073,700.00	\$1,562,100.83	N/A	\$181,695.74	N/A
<b>Total for all systems</b>	\$6,889,111.00	\$3,855,769.83	N/A	\$207,854.92	N/A

## Components

Actual Information	
Description	File Name
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase/480v - 300 KVA	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<div> <b>Component Description:</b> Transmitter downpayment. #9500074924   <b>Amount:</b> \$181,695.74 </div>

## 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>Interim Antenna TUM-O4-8 /32H-1-R-T</b>	<b>\$1,194,630.00</b>	<b>\$531,484.00</b>		<b>\$0.00</b>	
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	\$1,090,000.00	\$432,084.00	See Response to August 22 Inquiry.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	N/A	N/A	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

<b>Primary Antenna TUM25-O4-16/64H-2-R-T</b>	<b>\$1,325,880.00</b>	<b>\$307,681.25</b>		<b>\$4,097.50</b>	
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	\$1,090,000.00	\$173,281.25	See Response to August 22 Inquiry.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$4,097.50	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$30,000.00	See Response to August 22 Inquiry.	N/A	N/A
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$18,950.00	\$18,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$2,520,510.00</b>	<b>\$839,165.25</b>	<b>N/A</b>	<b>\$4,097.50</b>	<b>N/A</b>

<b>Total for all systems</b>	\$6,889,111.00	\$3,855,769.83	N/A	\$207,854.92	N/A
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## Components

Actual Information	
Description	File Name
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	Information not provided.
Sweep test of existing antenna	<b>Component Description:</b> Antenna sweep Sylvan tower <b>Amount:</b> \$4,097.50
New combiner, cost per channel (without antenna)	Information not provided.
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	Information not provided.

Cost  
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$232,000.00	\$221,000.00		\$0.00	
Rigid Transmission Line - copper, 6 1/8" broadband	\$232,000.00	\$221,000.00	N/A	N/A	N/A
Primary Transmission Line	\$909,720.00	\$133,122.75		\$0.00	
Rigid Transmission Line - copper, 8 3/16" broadband	\$909,720.00	\$133,122.75	See Response to August 22 Inquiry.	N/A	N/A
Sub-total	\$1,141,720.00	\$354,122.75	N/A	\$0.00	N/A
Total for all systems	\$6,889,111.00	\$3,855,769.83	N/A	\$207,854.92	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
Auxiliary Tower TOWER	\$394,800.00	\$375,000.00		\$0.00	
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
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	N/A	N/A
Primary Tower TOWER	\$381,100.00	\$362,000.00		\$2,861.00	
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$2,861.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A

<b>Sub-total</b>	\$775,900.00	\$737,000.00	N/A	\$2,861.00	N/A
<b>Total for all systems</b>	\$6,889,111.00	\$3,855,769.83	N/A	\$207,854.92	N/A

## Components

<b>Actual Information Description</b>	<b>File Name</b>
Tall Tower (greater than 500')	Information not provided.
Minor tower reinforcement /modifications	Information not provided.
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.
Structural engineering tower load study for well documented tower	<div> <b>Component Description:</b> Engineering structural analysis.  <b>Amount:</b> \$2,750.00 </div> <div> <b>Component Description:</b> Blueprint Scan - KATU Tower.  <b>Amount:</b> \$111.00 </div>
Tall Tower (greater than 500')	Information not provided.
Minor tower reinforcement /modifications	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>\$248,585.00</b>	<b>\$235,250.00</b>		<b>\$19,200.68</b>	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$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
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	See Response to August 22 Inquiry.	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 - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$221.92	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	See Response to August 22 Inquiry.	N/A	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,212.50	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

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$5,482.50	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$4,400.29	The actual cost came out to more than the Widelity Report estimate.
Project management of the transition	\$94,800.00	\$90,000.00	N/A	\$6,883.47	The duplicates for invoice #s: 457331, 453972, 453686, and 1010 should not be associated with this cost. The most recent versions of these invoices should be retained. The total for this line item should be \$4,931.85. RESOLVED 4/16/2018.
<b>Sub-total</b>	\$248,585.00	\$235,250.00	N/A	\$19,200.68	N/A
<b>Total for all systems</b>	\$6,889,111.00	\$3,855,769.83	N/A	\$207,854.92	N/A

## Components

Actual Information	
Description	File Name
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
NEPA Section 106 environmental review, if needed	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 - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="722 174 1029 208"><b>Component Description:</b></td><td data-bbox="1163 174 1374 443"> <p>Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759</p> </td></tr> <tr> <td data-bbox="722 454 831 488"><b>Amount:</b></td><td data-bbox="1163 454 1246 488">\$99.92</td></tr> <tr> <td data-bbox="722 595 1029 629"><b>Component Description:</b></td><td data-bbox="1163 595 1374 864"> <p>Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289</p> </td></tr> <tr> <td data-bbox="722 875 831 909"><b>Amount:</b></td><td data-bbox="1163 875 1259 909">\$122.00</td></tr> </table>	<b>Component Description:</b>	<p>Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759</p>	<b>Amount:</b>	\$99.92	<b>Component Description:</b>	<p>Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289</p>	<b>Amount:</b>	\$122.00
<b>Component Description:</b>	<p>Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759</p>								
<b>Amount:</b>	\$99.92								
<b>Component Description:</b>	<p>Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289</p>								
<b>Amount:</b>	\$122.00								
<p>Prepare request for Special Temporary Authorization</p>	<p>Information not provided.</p>								
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application</p>	<p>Information not provided.</p>								
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>								
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application</p>	<p>Information not provided.</p>								
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="722 1778 1029 1812"><b>Component Description:</b></td><td data-bbox="1163 1778 1362 1845"> <p>Consulting engineering cost.</p> </td></tr> <tr> <td data-bbox="722 1856 831 1890"><b>Amount:</b></td><td data-bbox="1163 1856 1283 1890">\$2,212.50</td></tr> </table>	<b>Component Description:</b>	<p>Consulting engineering cost.</p>	<b>Amount:</b>	\$2,212.50				
<b>Component Description:</b>	<p>Consulting engineering cost.</p>								
<b>Amount:</b>	\$2,212.50								
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>								

Perform engineering study for new channel assignment and antenna development	<div> <div>Component Description:</div> <div>Consulting engineering cost.</div> <div>Amount:</div> <div>\$5,482.50</div> </div>
Prepare and or review reimbursement form	<div> <div>Component Description:</div> <div>Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289</div> <div>Amount:</div> <div>\$1,311.48</div> </div>
	<div> <div>Component Description:</div> <div>Legal services cost.</div> <div>Amount:</div> <div>\$345.00</div> </div>
	<div> <div>Component Description:</div> <div>Legal services cost. #457836</div> <div>Amount:</div> <div>\$520.00</div> </div>
	<div> <div>Component Description:</div> <div>Legal services cost. #462931</div> <div>Amount:</div> <div>\$971.90</div> </div>
	<div> <div>Component Description:</div> <div>Portion of general repack matter invoice attributable to this station - divided by 93 stations.</div> <div>Amount:</div> <div>\$152.01</div> </div>
	<div> <div>Component Description:</div> <div>Legal services cost. #460935</div> <div>Amount:</div> <div>\$230.60</div> </div>

	<p><b>Component Description:</b></p> <p>Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759</p> <p><b>Amount:</b></p> <p>\$869.30</p>
Project management of the transition	<p><b>Component Description:</b></p> <p>Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457331</p> <p><b>Amount:</b></p> <p>\$836.44</p> <p><b>Component Description:</b></p> <p>Portion of general repack matter invoice attributable to this station - divided by 93 stations.</p> <p><b>Amount:</b></p> <p>\$20.91</p> <p><b>Component Description:</b></p> <p>Portion of general repack matter invoice attributable to this station - divided by 93 stations.</p> <p><b>Amount:</b></p> <p>\$20.65</p>



<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations. Previous balance of invoice #453686.
<b>Amount:</b>	\$999.04

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1058
<b>Amount:</b>	\$187.24

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1051
<b>Amount:</b>	\$105.97

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #1010
<b>Amount:</b>	\$86.88

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457851
<b>Amount:</b>	\$818.59

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1055
<b>Amount:</b>	\$243.38

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453686
<b>Amount:</b>	\$943.95

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
<b>Amount:</b>	\$32.35

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
<b>Amount:</b>	\$731.72

<b>Component Description:</b>	Legal services cost. #463581
<b>Amount:</b>	\$591.50

<b>Component Description:</b>	Legal services cost. #464372
<b>Amount:</b>	\$84.50

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
<b>Amount:</b>	\$43.72

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463026
<b>Amount:</b>	\$815.02

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1039
<b>Amount:</b>	\$30.47

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
<b>Amount:</b>	\$955.89

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations. Previous balance of invoice #1012.
<b>Amount:</b>	\$86.88

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
<b>Amount:</b>	\$912.81

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759
<b>Amount:</b>	\$29.98

<b>Component Description:</b>	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453972
<b>Amount:</b>	\$716.28

**Component Description:**

Portion of general  
repack matter  
invoice  
attributable to this  
station - divided  
by 93 stations.  
#461289

**Amount:**

\$91.50

**Component Description:**

Portion of general  
repack matter  
invoice  
attributable to this  
station - divided  
by 98 stations.  
#1045

**Amount:**

\$185.10

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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>\$128,696.00</b>	<b>\$128,131.00</b>		<b>\$0.00</b>	
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	See Exhibit J.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$28,050.00</i>	\$28,050.00	See Response to August 22 Inquiry.	N/A	N/A
Equipment Storage	<i>\$15,000.00</i>	\$15,000.00	See Exhibit J.	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$10,000.00</i>	\$10,000.00	See Exhibit J.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$28,566.00</i>	\$28,566.00	See Response to August 22 Inquiry.	N/A	N/A
Non-zoning permits	<i>\$10,000.00</i>	\$10,000.00	See Exhibit J.	N/A	N/A
Local Zoning	<i>\$20,000.00</i>	\$20,000.00	See Exhibit J.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$11,000.00	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
<b>Sub-total</b>	\$128,696.00	\$128,131.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$6,889,111.00	\$3,855,769.83	N/A	\$207,854.92	N/A

### Components

Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$6,889,111.00	\$3,855,769.83	\$207,854.92

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No



Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<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>David B. Amy</b>  <i>Secretary,  Sinclair  Television  Group, Inc.</i></p> <p>05/04/2018</p>

## Attachments