Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **21649** | Service: **DTV** | Call Sign: **KATU** | Channel: **24 (UHF)**

File Number: **0000028566**

FRN: **0023174519** | Date Submitted: **01/11/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SINCLAIR PORTLAND LICENSEE, LLC Doing Business As: SINCLAIR PORTLAND LICENSEE, LLC	Harvey Arnold 10706 Beaver Dam Road Cockeysville, MD 21030 United States	+1 (410) 568-1500	harnold@sbgtv.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
Paul A. Cicelski , Esq . *Lerman Senter PLLC*	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
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	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
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Other Costs	Other Costs

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
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	400.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	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
Combiner for Shared Antenna	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	8 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No

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

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
New Antenna Description	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
New Antenna Manufacturer and Type	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.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number
24
25
33

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
Combiner output splitting or switching for dual feed lines	Combiner output splitting or switching for dual feed lines

Transmission Line

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

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	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
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	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
New Transmission Line Costs	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:	Major Reinforcements needed

Auxiliary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A

Helicopter Services Required	Are helicopter services required?	No

Auxiliary Tower

Other Tower Expenses Not Listed

Information not provided.

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1207367
Coordinates (NAD83 (North American Datum of 1983))	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
26932	KXL-FM	FM
4114	KUPL	FM
4115	KLTH	FM
47707	KNMT	DTV
53068	KINK	FM
12551	KXJM	FM

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
Outside Project Management Services	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.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A

Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	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
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	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
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Information not provided.

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
Interim Transmitter THU9evo-4	**$504,900.00**	**$145,467.50**		**$15,456.40**	
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.	$15,456.40	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$10,400.00	$10,000.00	N/A	N/A	N/A
Primary Transmitter ULXTE-72	**$1,573,800.00**	**$1,421,633.33**		**$368,023.94**	
Other Costs	***$5,000.00***	$5,000.00	N/A	$4,685.16	N/A
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

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	$1,473,000.00	$1,325,333.33	See Response to August 22 Inquiry.	$363,338.78	Second item should be removed as we've uploaded revised version.
Switchgear - industrial 800 amp	$38,200.00	$36,300.00	N/A	N/A	N/A
Sub-total	$2,078,700.00	$1,567,100.83	N/A	$383,480.34	N/A
Total for all systems	$7,262,644.61	$4,218,253.44	N/A	$1,209,712.07	N/A

Components

Actual Information Description	File Name

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	**Component Description:** Cost associated with the installation of transmitter. #78689014-0001 **Amount:** $2,781.40 **Component Description:** Cost associated with the installation of the transmitter. #78689014-0002 **Amount:** $2,535.00 **Component Description:** Cost associated with the installation of the transmitter. #78689014-0004 **Amount:** $2,535.00 **Component Description:** Cost associated with the installation of the transmitter. #78689014-0006 **Amount:** $2,535.00 **Component Description:** Cost associated with the installation of the transmitter. #78689014-0005 **Amount:** $2,535.00 **Component Description:** Cost associated with the installation of the transmitter. #78689014-0003 **Amount:** $2,535.00
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Other Costs	**Component Description:** **Amount:**	ASI to IP converters. #63958 $4,685.16
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 300 KVA	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	**Component Description:** **Amount:**	Transmitter downpayment. #9500074924 $181,643.04
	Component Description: **Amount:**	Transmitter downpayment. #9500074924 $181,695.74
	Component Description: **Amount:**	Transmitter cost. #9500078585 $33,866.88
Switchgear - industrial 800 amp	Information not provided.	

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TUM-O4-8 /32H-1-R-T	**$1,300,163.61**	**$637,017.61**		**$463,796.02**	
Combiner output splitting or switching for dual feed lines	***$105,533.61***	$105,533.61	N/A	$105,533.61	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	$13,700.00	$13,000.00	N/A	$9,573.61	N/A
New combiner, cost per channel (without antenna)	$84,200.00	$80,000.00	N/A	$25,489.62	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A

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.	$323,199.18	N/A
Primary Antenna TUM25-O4-16/64H-2-R-T	**$1,325,880.00**	**$307,681.25**		**$4,097.50**	
Combiner output splitting /switching for dual feed lines, if applicable	$126,000.00	$30,000.00	See Response to August 22 Inquiry.	$0.00	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
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$4,097.50	N/A

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
New combiner, cost per channel (without antenna)	$84,200.00	$80,000.00	N/A	N/A	N/A
Sub-total	$2,626,043.61	$944,698.86	N/A	$467,893.52	N/A
Total for all systems	$7,262,644.61	$4,218,253.44	N/A	$1,209,712.07	N/A

Components

Actual Information Description	File Name	
Combiner output splitting or switching for dual feed lines	**Component Description:** **Amount:**	Invoice amount reduced by 20.02%. #217009 $105,533.61
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:** **Amount:**	Line 1 on the invoice reduced by 20.02%. #206004 $9,573.61

New combiner, cost per channel (without antenna)	**Component Description:** **Amount:**	Total amount reduced by 20.02%. #172013 $25,489.62
Sweep test of existing antenna	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	**Component Description:** **Amount:**	Total amount reduced by 20.02%. #195023 $323,199.18
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.	
Sweep test of existing antenna	**Component Description:** **Amount:**	Antenna sweep Sylvan tower $4,097.50
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	Information not provided.	
New combiner, cost per channel (without antenna)	Information not provided.	

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	**$232,000.00**	**$221,000.00**		**$108,176.14**	
Rigid Transmission Line - copper, 6 1/8" broadband	$232,000.00	$221,000.00	N/A	$108,176.14	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	$108,176.14	N/A
Total for all systems	$7,262,644.61	$4,218,253.44	N/A	$1,209,712.07	N/A

Components

Actual Information Description	File Name
Rigid Transmission Line - copper, 6 1/8" broadband	**Component Description:** Line 2 on the invoice reduced by 20.02%. #206004 **Amount:** $108,176.14
Rigid Transmission Line - copper, 8 3/16" broadband	Information not provided.

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	**$381,100.00**	**$362,000.00**		**$5,611.00**	
Tall Tower (greater than 500')	$210,500.00	$200,000.00	N/A	$0.00	N/A
Structural engineering tower load study for well documented tower	$12,600.00	$12,000.00	N/A	$5,611.00	N/A
Minor tower reinforcement /modifications	$158,000.00	$150,000.00	N/A	N/A	N/A
Auxiliary Tower TOWER	**$657,800.00**	**$625,000.00**		**$196,372.70**	
Tall Tower (greater than 500')	$210,500.00	$200,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	$421,000.00	$400,000.00	N/A	$196,372.70	Item "Need More Information - General Tree Service" should be removed.

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
Sub-total	$1,038,900.00	$987,000.00	N/A	$201,983.70	N/A
Total for all systems	$7,262,644.61	$4,218,253.44	N/A	$1,209,712.07	N/A

Components

Actual Information Description	File Name	
Tall Tower (greater than 500')	**Component Description:**	25 percent of the the related tower cost. #9500078585
	Amount:	$33,866.88

Structural engineering tower load study for well documented tower	**Component Description:** **Amount:**	Engineering structural analysis. $2,750.00
	Component Description: **Amount:**	Blueprint Scan - KATU Tower. $111.00
	Component Description: **Amount:**	Structural tower cost. #148379 $2,750.00
	Component Description: **Amount:**	Structural tower cost. #148379 $2,750.00
Minor tower reinforcement /modifications	Information not provided.	
Tall Tower (greater than 500')	Information not provided.	

Major tower reinforcement /modifications	**Component Description:** **Amount:**	Tree removal for tower work. #560961 $14,840.00
	Component Description: **Amount:**	Tree removal cost for tower work. #560961 $14,840.00
	Component Description: **Amount:**	Architect for tree protection plan cost. #KATU-1 $1,725.00
	Component Description: **Amount:**	Tree removal for tower work. #560961 $14,840.00
	Component Description: **Amount:**	Structural Tower Costs. #E-148373A $179,807.70
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	**$248,585.00**	**$237,200.00**		**$27,891.72**	
Project management of the transition	$94,800.00	$90,000.00	N/A	$15,574.51	N/A
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
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$5,482.50	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
Prepare and or review reimbursement form	$2,630.00	$4,450.00	Updated cost of estimated amount per FCC requirement.	$4,400.29	N/A
Sub-total	$248,585.00	$237,200.00	N/A	$27,891.72	N/A
Total for all systems	$7,262,644.61	$4,218,253.44	N/A	$1,209,712.07	N/A

Components

Actual Information Description	File Name	
Project management of the transition	**Component Description:**	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1072
	Amount:	$237.64
	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1079
	Amount:	$177.14

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #1010
Amount:	$86.88
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453686
Amount:	$943.95
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$20.91
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$43.72
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$20.65

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. Previous balance of invoice #453686.
Amount:	$999.04
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1090
Amount:	$176.70
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467861
Amount:	$470.30
Component Description:	Legal services cost. #468698
Amount:	$132.50
Component Description:	Legal services cost. #469590
Amount:	$263.75

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1093
Amount:	$269.71
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #468718
Amount:	$349.51
Component Description:	Legal Service Cost. #468725
Amount:	$125.00
Component Description:	Legal service cost. #467901
Amount:	$420.00
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1039
Amount:	$30.47

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$955.89
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. Previous balance of invoice #1012.
Amount:	$86.88
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1063
Amount:	$262.29
Component Description:	Legal services cost. #463581
Amount:	$591.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1078
Amount:	$215.68

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1069
Amount:	$246.68
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759
Amount:	$29.98
Component Description:	Legal services cost. #464372
Amount:	$84.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467378
Amount:	$576.96
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$731.72

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1058
Amount:	$187.24
Component Description:	Legal services cost. #464714
Amount:	$412.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #466690
Amount:	$446.87
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463026
Amount:	$815.02
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463567
Amount:	$566.48

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #464321
Amount:	$683.07
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457851
Amount:	$818.59
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1051
Amount:	$105.97
Component Description:	Legal Service Cost. #466648
Amount:	$420.80
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289
Amount:	$91.50

Component Description:	Legal Service Cost. #466705
Amount:	$302.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1045
Amount:	$185.10
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1055
Amount:	$243.38
Component Description:	Legal service cost. #467393
Amount:	$182.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453972
Amount:	$716.28

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #465001
Amount:	$596.30
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457331
Amount:	$836.44
Component Description:	Legal Service Cost. #465190
Amount:	$240.00
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463026
Amount:	$801.57
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #465173
Amount:	$654.26

	Component Description: Portion of general repack matter invoice attributable to this station - divided by 99 stations. #1086 **Amount:** $275.35 **Component Description:** Portion of general repack matter invoice attributable to this station - divided by 93 stations. **Amount:** $32.35 **Component Description:** Portion of general repack matter invoice attributable to this station - divided by 93 stations. **Amount:** $912.81
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.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:** **Component Description:** **Amount:**	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759 $99.92 Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289 $122.00
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	Consulting engineering cost. $2,212.50
Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:**	Consulting engineering cost. $5,482.50
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	**Component Description:** **Amount:**	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289 $1,311.48
	Component Description: **Amount:**	Legal services cost. $345.00
	Component Description: **Amount:**	Portion of general repack matter invoice attributable to this station - divided by 93 stations. $152.01

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759
Amount:	$869.30
Component Description:	Legal services cost. #462931
Amount:	$971.90
Component Description:	Legal services cost. #457836
Amount:	$520.00
Component Description:	Legal services cost. #460935
Amount:	$230.60

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$128,696.00**	**$128,131.00**		**$20,286.65**	
Local Zoning	***$20,000.00***	$20,000.00	See Exhibit J.	$16,536.65	N/A
MVPD Notification of Channel Change	***$5,000.00***	$5,000.00	See Exhibit J.	N/A	N/A
Develop and air announcement of upcoming channel change	***$28,050.00***	$28,050.00	See Response to August 22 Inquiry.	N/A	N/A
Equipment Storage	***$15,000.00***	$15,000.00	See Exhibit J.	N/A	N/A
Equipment Delivery and Handling Charges	***$10,000.00***	$10,000.00	See Exhibit J.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$28,566.00***	$28,566.00	See Response to August 22 Inquiry.	N/A	N/A
Non-zoning permits	***$10,000.00***	$10,000.00	See Exhibit J.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	$3,750.00	N/A
Sub-total	$128,696.00	$128,131.00	N/A	$20,286.65	N/A
Total for all systems	$7,262,644.61	$4,218,253.44	N/A	$1,209,712.07	N/A

Components

Actual Information Description	File Name

Local Zoning	**Component Description:**	Permit fee. #4183827
	Amount:	$5,186.55
	Component Description:	Permit services for repack. #3449. 10SEP0418
	Amount:	$3,449.10
	Component Description:	Permit. Receipt #2099935
	Amount:	$2,239.25
	Component Description:	Permit. Receipt #2099934
	Amount:	$2,239.25
	Component Description:	Permit preparation. #3422. 50MAY2018
	Amount:	$3,422.50
	Component Description:	Permit. Receipt. #2099935
	Amount:	$2,239.25
	Component Description:	Permit preparation. #3422. 50MAY2118
	Amount:	$3,422.50
	Component Description:	Permit. Receipt. #2099934
	Amount:	$2,239.25

MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Non-zoning permits	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	**Component Description:** Medical notification mailing cost. #1078 **Amount:** $3,750.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$7,262,644.61	$4,218,253.44	$1,209,712.07

Reimbursement Status

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

Certification

Section	Question	Response
Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**David B Amy** *Secretary* *Sinclair Television Group Inc* 01/11/2019

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 IMPRISIONMENT (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).	
	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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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.

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 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.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**David B Amy** *Secretary* *Sinclair Television Group Inc* 01/11/2019

Attachments