



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **74094** | Service: **DTV** | Call **WSYM-TV** | Channel: **28 (UHF)** |  
ID:  
File **0000027264**  
Number:  
FRN: **0002710192** | Date **06/30**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>SCRIPPS BROADCASTING HOLDINGS LLC</b> Doing Business As: SCRIPPS BROADCASTING HOLDINGS LLC	David Giles 312 WALNUT STREET 28TH FLOOR CINCINNATI, OH 45202 United States	+1 (513) 977-3000	DAVE. GILES@SCRIPPS.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>Ray Thurber</b> <i>Vice President Engineering</i> SCRIPPS BROADCASTING HOLDINGS LLC	Ray Thurber 312 Walnut St. Cincinnati, OH 45202 United States	+1 (248) 827-9202	ray. thurber@scripps.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	WSYM must replace its main antenna and transmitter in order to move it its new channel. It will need to install interim facilities in order to be able to replace the main facility. See attached narrative for a more detailed explanation.

**Transmitters**

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

**Auxiliary  
Transmitter****Add Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Retune Existing
	Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	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	GatesAir
	Model	UAXT2

Year	2015
Type	Solid State
Solid State Cooling	Air Cooled
Solid State Power capacity	1.8 kW

## Auxiliary Transmitter

### Retuning Transmitter Costs

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	3 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

## Auxiliary Transmitter

### Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes

	Description	Necessary conduit, wiring as quoted by electrical contractor for relocation inside the building.
<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

### Auxiliary Transmitter

#### Other Transmitter Cost Not Listed

Name	Description
Michigan Sales Tax	Michigan Sales Tax on Retuning Costs

**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	Sigma CD 3100
	Year	2002
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	21 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?	No
	Manufacturer	
	Model	ULXTE-20
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	12.9 kW
	Justification for New Transmitter	Current transmitter is no longer supported by the manufacturer except for maintenance. Available parts are in very limited supply and in some cases are no longer available. Manufacturer says it cannot be re-tuned.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes

	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
Mask Filter	Primary Transmitter - Mask Filter

**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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	933.0 kW

Manufacturer	
Model	JSM-24 /38SHBP
Year	2002

**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) .....	487.0 kW
	Manufacturer	

Model	TFU-24GTH-R BP290
Year	2019
Justification for New Antenna	Existing main antenna is a coaxial slot antenna that is channel specific and cannot be reused on the new channel.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	

<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>Michigan Sales Tax</b>	Michigan Sales Tax on Antenna Expenses

**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	1
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	30.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	300.0 kW
	Manufacturer	
	Model	TFU-16WB C160
	Year	2019

	Justification for New Antenna	WSYM will need an interim antenna for operation while it replaces the main antenna for its new channel.
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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?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<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

## 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?	No
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	980 feet per run

**Primary**      **New Transmission Line**  
**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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1000 feet per run
	Justification for New Transmission Line	The current transmission line segment lines will not work on the new channel so the line must be replaced.

**Primary**      **Other Transmission Line Expenses Not Listed**  
**Transmission Line**

Name	Description
<b>Michigan Sales Tax</b>	Michigan Sales Tax on Transmission Line Expenses

**Interim**      **New Transmission Line**  
**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	4 1/16 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	760 feet per run
	Justification for New Transmission Line	WSYM will need an interim facility for operation while it replaces its main facility. The interim antenna will need transmission line.

**Interim**      **Other Transmission Line Expenses Not Listed**  
**Transmission Line**      Information not provided.

**Tower  
Equipment  
And Rigging  
Costs**

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

**Primary  
Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	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?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1005429
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	42° 28' 03.0" N-
	Longitude (NAD83)	084° 39' 06.0" W-
	Overall Structure Height	1036.08 feet
	Support Structure Height	987.52 feet
	Ground Elevation Above Mean Sea Level (AMSL)	918.62 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Scripps Broadcasting Holdings LLC
Date Constructed	01/01/1981

### 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:	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

Name	Description
Tower Orientation Study	Tower Orientation Study required for repack
PE Review of Rigging Plan	Professional Engineering review of proposed rigging plan as required by ANSI/ASEE A10.48 and ANSI/TIA 322 standards.
Michigan Sales Tax	Michigan Sales Tax on Tower Expenses



**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	595
	Explanation	Project manager needed to manage all work at transmitter site required to transition to new channel (both the main and interim facilities). With the size of the current engineering staff, WSYM cannot spare personnel to ensure these tasks are completed.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No



RF exposure measurements	Yes
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

Outside  
Professional

Other Professional Services Expenses Not Listed

Services Costs

Name	Description
Michigan Sales Tax	Michigan Sales Tax on Professional Services
Site Survey	GatesAir performed a site survey to access changes to facility as necessary to transition to new channel including, power and HVAC requirements, available transmitter room space and existing antenna and transmission line RF characteristics at new channel.

## 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
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<b>Employee Time</b>	Time needed by Scripps corporate and WSYM employees to work on the transition to a new channel.
<b>Michigan Sales Tax</b>	Michigan Sales Tax on Other Expenses
<b>In-Building Deconstruction</b>	Work necessary to disassemble and remove existing transmitter, beam supplies, step starts, heat exchangers and mask filter.

## 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-20</b>	<b>\$581,735.41</b>	<b>\$529,999.76</b>		<b>\$466,714.31</b>	
Mask Filter	<i>\$4,685.41</i>	\$4,685.41	Please see WSYM-TV GatesAir quote GA-00021738, plus tax on invoice US0315021	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$0.00	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$445,914.35	see Estimated Cost Justification WSYM-TV-110-1st Primary Transmitter - UHF Liquid Cooled Solid State, 8.2-13 kW v0	\$445,914.31	N/A

Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor.	<b>\$18,800.00</b>	\$18,800.00	see Estimated Cost Justification WSYM-TV-110-1st Primary Transmitter - Other Electrical Service v0	\$18,800.00	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	\$2,000.00	N/A
<b>Auxiliary Transmitter UAXT2</b>	<b>\$127,892.00</b>	<b>\$122,487.00</b>		<b>\$0.00</b>	
Michigan Sales Tax	<b>\$6,237.00</b>	\$6,237.00	N/A	N/A	N/A
Other Electrical Service: Necessary conduit, wiring as quoted by electrical contractor for relocation inside the building.	<b>\$12,300.00</b>	\$12,300.00	N/A	N/A	N/A
3 kW mask filter	\$4,155.00	\$3,950.00	N/A	N/A	N/A
UHF and VHF - minor banding issues	\$105,200.00	\$100,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$709,627.41</b>	<b>\$652,486.76</b>	<b>N/A</b>	<b>\$466,714.31</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$2,643,105.39</b>	<b>\$2,954,977.89</b>	<b>N/A</b>	<b>\$1,381,370.06</b>	<b>N/A</b>

## Components

Actual Information Description	File Name
Mask Filter	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	<b>Component Description:</b> Transmitter <b>Amount:</b> \$17,133.30
	<b>Component Description:</b> Transmitter <b>Amount:</b> \$45,358.45
	<b>Component Description:</b> Transmitter <b>Amount:</b> \$131,793.73
	<b>Component Description:</b> WSYM-TV-110-1st Primary Transmitter - UHF Liquid Cooled Solid State, 8.2-13 kW <b>Amount:</b> \$3,000.00
	<b>Component Description:</b> WSYM Repack Transmitter Package <b>Amount:</b> \$141,501.35
	<b>Component Description:</b> Transmitter <b>Amount:</b> \$107,127.48
Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor.	<b>Component Description:</b> Second Draw <b>Amount:</b> \$18,800.00

Transformer 3 phase/480v - 150 KVA	<div> <div>Component Description:</div> <div>First Draw</div> <div>Amount:</div> <div>\$2,000.00</div> </div>
Michigan Sales Tax	Information not provided.
Other Electrical Service: Necessary conduit, wiring as quoted by electrical contractor for relocation inside the building.	Information not provided.
3 kW mask filter	Information not provided.
UHF and VHF - minor banding issues	Information not provided.

## Cost Information

### Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Antenna TFU-16WB C160</b>	<b>\$196,230.00</b>	<b>\$186,400.00</b>		<b>\$0.00</b>	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$180,000.00	N/A	N/A	N/A
<b>Primary Antenna TFU-24GTH-R BP290</b>	<b>\$290,288.00</b>	<b>\$252,449.00</b>		<b>\$0.00</b>	
Michigan Sales Tax	<b><i>\$24,258.00</i></b>	\$24,258.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,298.00	Please see Dielectric Quote 700053CMZ-2	\$0.00	N/A



Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$211,493.00	Please see Dielectric Quote 700053CMZ-2	\$0.00	N/A
<b>Sub-total</b>	\$486,518.00	\$438,849.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$2,643,105.39	\$2,954,977.89	N/A	\$1,381,370.06	N/A

## Components

Actual Information Description	File Name
Sweep test of existing antenna	Information not provided.
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	Information not provided.
Michigan Sales Tax	Information not provided.
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<div> <b>Component Description:</b> WSYM-TV-210-Primary Antenna - Elbow Complex  <b>Amount:</b> \$4,634.10 </div> <div> <b>Component Description:</b> WSYM-TV-210-Primary Antenna - Elbow Complex  <b>Amount:</b> \$4,634.10 </div>

Sweep test of existing antenna	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div>           WSYM-TV-210-            Primary Antenna -            Sweep Test            \$2,880.00         </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div>           WSYM-TV-210-            Primary Antenna -            Sweep Test            \$2,880.00         </div> </div>
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div>           UHF - HIGH            POWER            \$95,171.85         </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div>           UHF - HIGH            POWER            \$95,171.85         </div> </div>

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	\$123,880.00	\$117,800.00		\$0.00	
Rigid Transmission Line - copper, 4 1 /16" broadband	\$123,880.00	\$117,800.00	N/A	N/A	N/A
Primary Transmission Line	\$220,588.00	\$210,588.00		\$0.00	
Michigan Sales Tax	<i>\$18,588.00</i>	\$18,588.00	N/A	N/A	N/A
Rigid Transmission Line - copper, 6 1/8"	\$202,000.00	\$192,000.00	N/A	\$0.00	N/A
Sub-total	\$344,468.00	\$328,388.00	N/A	\$0.00	N/A
Total for all systems	\$2,643,105.39	\$2,954,977.89	N/A	\$1,381,370.06	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 4 1/16" broadband	Information not provided.
Michigan Sales Tax	Information not provided.

Rigid Transmission Line - copper, 6 1/8"	<div> <div> <b>Component Description:</b> </div> <div>           WSYM-TV-310- Primary Transmission Line - 6 1/8" Rigid Copper         </div> </div> <div> <div> <b>Amount:</b> </div> <div>           \$61,023.37         </div> </div> <div> <div> <b>Component Description:</b> </div> <div>           WSYM-TV-310- Primary Transmission Line - 6 1/8" Rigid Copper         </div> </div> <div> <div> <b>Amount:</b> </div> <div>           \$61,023.37         </div> </div>
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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
Primary Tower TOWER	\$692,764.50	\$1,122,216.65		\$875,311.65
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$9,765.00
Major tower reinforcement /modifications	\$421,000.00	\$861,552.15	see Estimated Cost Justification WSYM-TV-410- Existing Primary Tower - Major Tower Reinforcement_Modifications v0	\$861,552.15
PE Review of Rigging Plan	\$7,500.00	\$7,500.00	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A
Michigan Sales Tax	\$37,170.00	\$37,170.00	N/A	N/A
Tower Orientation Study	\$3,994.50	\$3,994.50	Please see WSYM-TV Warmus and Associates contract TS18-031EX	\$3,994.50
Sub-total	\$692,764.50	\$1,122,216.65	N/A	\$875,311.65
Total for all systems	\$2,643,105.39	\$2,954,977.89	N/A	\$1,381,370.06

Components

Actual Information Description	File Name
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Structural engineering tower load study for well documented tower	<b>Component Description:</b> WSYM-TV-410-Existing Primary Tower - Tower Load Study, Documented Tower <b>Amount:</b> \$9,765.00
Major tower reinforcement /modifications	<b>Component Description:</b> Tower Services Rendered <b>Amount:</b> \$861,552.15
PE Review of Rigging Plan	Information not provided.
Tall Tower (greater than 500')	Information not provided.
Michigan Sales Tax	Information not provided.
Tower Orientation Study	<b>Component Description:</b> Engineering Services <b>Amount:</b> \$3,994.50

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	\$170,439.00	\$174,314.00		\$35,951.70	
Site Survey	<i>\$16,900.00</i>	\$16,900.00	N/A	N/A	N/A
Michigan Sales Tax	<i>\$6,189.00</i>	\$6,189.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	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
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$225.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$94,010.00	\$99,675.00	Estimated Cost Justification WSYM-TV- 510-Project Management v0	\$31,426.70	N/A



Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$4,300.00	Please see Estimated Cost Justification WSYM-TV-530-RF Eng - Construction Permit Application (Main) v0	\$4,300.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
<b>Sub-total</b>	\$170,439.00	\$174,314.00	N/A	\$35,951.70	N/A
<b>Total for all systems</b>	\$2,643,105.39	\$2,954,977.89	N/A	\$1,381,370.06	N/A

## Components

Actual Information	
Description	File Name
Site Survey	Information not provided.
Michigan Sales Tax	Information not provided.
RF Exposure Measurements	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Perform engineering study for new channel assignment and antenna development	<b>Component Description:</b> <b>Amount:</b>	FCC Repack \$225.00
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	<b>Component Description:</b> <b>Amount:</b>	FOR SERVICES RENDERED \$75.00
	<b>Component Description:</b> <b>Amount:</b>	FCC Repack \$75.00
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$2,415.95
	<b>Component Description:</b> <b>Amount:</b>	FCC Repack \$75.00
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$1,671.45
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$3,000.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,555.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,771.40

<b>Component Description:</b>	387 Update, 2019 4th Quarter
<b>Amount:</b>	\$75.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$64.95

<b>Component Description:</b>	387 Update 5 Days After Construction Complete
<b>Amount:</b>	\$150.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$567.05

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$64.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$7,417.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,903.45

	<b>Component Description:</b>	FOR SERVICES RENDERED
	<b>Amount:</b>	\$150.00
	<b>Component Description:</b>	FCC Repack
	<b>Amount:</b>	\$75.00
	<b>Component Description:</b>	Preparation of STA and ERP/tpo Calculations
	<b>Amount:</b>	\$75.00
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$276.55
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$508.75
	<b>Component Description:</b>	FCC Repack
	<b>Amount:</b>	\$75.00
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$2,107.70
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$2,275.40
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b>	Permitting Submittal Package
	<b>Amount:</b>	\$4,300.00

Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
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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>\$239,288.48</b>	<b>\$238,723.48</b>		<b>\$3,392.40</b>	
In-Building Deconstruction	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Michigan Sales Tax	<i>\$5,712.00</i>	\$5,712.00	N/A	N/A	N/A
Employee Time	<i>\$79,749.32</i>	\$79,749.32	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$2,547.16</i>	\$2,547.16	see Estimated Cost Justification WSYM-TV-610-MVPD Notifications v0	\$2,547.16	N/A
Develop and air announcement of upcoming channel change	<i>\$5,000.00</i>	\$5,000.00	N/A	\$0.00	N/A
Equipment Storage	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$14,200.00</i>	\$14,200.00	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	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$25,000.00</b>	\$25,000.00	N/A	N/A	N/A
Non-zoning permits	<b>\$25,000.00</b>	\$25,000.00	N/A	\$845.24	N/A
Local Zoning	<b>\$25,000.00</b>	\$25,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
<b>Sub-total</b>	\$239,288.48	\$238,723.48	N/A	\$3,392.40	N/A
<b>Total for all systems</b>	\$2,643,105.39	\$2,954,977.89	N/A	\$1,381,370.06	N/A

## Components

Actual Information	
Description	File Name
In-Building Deconstruction	Information not provided.
Michigan Sales Tax	Information not provided.
Employee Time	Information not provided.
MVPD Notification of Channel Change	<div> <div>Component Description:</div> <div>MVPD Notification Services</div> <div>Amount:</div> <div>\$2,547.16</div> </div>
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.

Equipment Delivery and Handling Charges	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Non-zoning permits	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> WSYM-TV-610-Non-Zoning Permits : \$345.24 \$345.24 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Permitting Analysis Review \$500.00 </div> </div>
Local Zoning	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.



**Cost  
Information**

**Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,643,105.39	\$2,954,977.89	\$1,381,370.06

**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>Sravan Reddy , Reddy .</b> <i>Senior Director, General Accounting</i></p> <p>06/30/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>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).</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.</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> <li>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.</li> </ol>	

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.

	<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>Sravan Reddy , Reddy .</b>  <i>Senior Director, General Accounting</i></p> <p>06/30/2020</p>

## Attachments