

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **70537** | Service: **DTV** | Call **WMEC** | Channel: **36 (UHF)**  
 ID: | Sign:  
 File **0000027282**  
 Number:  
 FRN: **0005941323** | Date **04/19**  
 Submitted: **/2021**

## Applicant Information Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>BOARD OF TRUSTEES OF SOUTHERN ILLINOIS UNIVERSITY</b>	Jak Tichenor 1003 COMMUNICATIONS BUILDING MAILCODE 6602 CARBONDALE, IL 62901 United States	+1 (618) 453-6181	jak.tichenor@wsiu.org	Government Entity

## Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Name and Information

Applicant	Address	Phone	Email
<b>Gregory Best</b> <i>Consulting Engineer</i> <i>Greg Best Consulting Inc.</i>	16100 Outlook Avenue Stilwell, KS 66085 United States	+1 (816) 792-2913	gbconsulting54@gmail.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	Transition will be a flash cut from current channel to repack channel with expected off-air time of up to two days. Ahead of antenna change, licensee will make all necessary transmitter and RF system changes. New transmitter & antenna required.

**Transmitters**

Section	Question	Response
<b>Transmitter Related Expenses</b>	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<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	DCD20-PL-1
	Year	2001
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	5 kW

**Primary Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	UAXTE-16R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	9.6 kW
Justification for New Transmitter	Present transmitter TPO of 5kW is insufficient to achieve an ERP of 100kW per the construction permit.	

**Primary 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	60.0 feet
	Other Electrical Service	Yes
	Description	Circuit breaker installation for new transmitter and new wiring as necessary for transmitter power.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	10 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	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.

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<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?	No
	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	Other
	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	Prototype single channel panel antenna

ERP: (Effective Radiated Power) .....	75.0 kW
Manufacturer	
Model	TWSM-24 /SM/CF
Year	1997

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**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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) .....	100.0 kW
Manufacturer		

Model	ATW25H3-ESO10-36L
Year	2020
Justification for New Antenna	Existing antenna will not function on the new assigned frequency.

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

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

<b>Name</b>	<b>Description</b>
Dehydrator	Antenna and line dehydrator

**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	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)	100.0 kW
	Manufacturer	
	Model	ALP8M3- HSBR-36
Year	2019	

Justification for New Antenna	Primary antenna will be not be delivered on time to meet phase deadline so interim antenna is required.
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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**

Name	Description
dehydrator	waveguide dehydrator

**Transmission Line**

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	No

**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
<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	No
	Is tower documented for structural analysis?	Yes
<b>Existing Tower Structure Registration</b>	Is tower compliant with Rev G?	No
	Do you have a tower registration number?	Yes
<b>Coordinates ( NAD83 (North American Datum of 1983))</b>	ASR Number	1018309
	Latitude (NAD83)	40° 23' 54.0" N-
	Longitude (NAD83)	090° 43' 55.0" W-
	Overall Structure Height	499.99 feet
	Support Structure Height	499.99 feet

Ground Elevation Above Mean Sea Level (AMSL)	600.06 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WEST CENTRAL ILLINOIS EDUCATIONAL COMMUNICATIONS CORPORATION DBA = CONVOCOM
Date Constructed	01/01/1996

**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
164225	WGNX	FM

**Primary  
Tower**

**Tower Modification Costs**

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

**Primary  
Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

<b>Name</b>	<b>Description</b>
<b>Phillystran guywires</b>	The proximity of the guy wires to the antenna significantly disturbs the antenna pattern so Phillystran replacement of the top 70 ft of the top set of guy wires can be used to eliminate that issue. It is likely that foundation mats will be required.
<b>Interim Antenna</b>	Mobilization and installation/removal of interim antenna until primary antenna is installed.



**Interim Tower**

**Tower Construction Costs**

Section	Question	Response
<b>Construct New Tower</b>	Use	Interim
	Description of Use	N/A
	Height	500.00 feet
	Justification for New Tower	Additional rigging and mobilization to remove existing antenna and install interim antenna until permanent antenna is delivered. Interim antenna to be installed on the same tower as the existing antenna.

**Interim Tower**

**Tower Rigging Costs**

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

**Interim Tower**

**Other Tower Expenses Not Listed**

Name	Description
<b>Interim antenna installation</b>	Additional mobilization and services to install interim antenna on existing tower.

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**Anchor evaluation.**

Anchor evaluation to determine amount of deterioration due to soil acidity.

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**Outside Professional Services Costs**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	120
	Explanation	Forms review; onsite supervision during transmitter, antenna & tower work; coordination of involved entities in the project.
<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	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Other Professional Services Expenses Not Listed**

**Outside Professional Services Costs**

Information 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	No
	Non-zoning permits	No
	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**

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
<b>Primary Transmitter UAXTE-16R44</b>	<b>\$379,982.25</b>	<b>\$378,022.25</b>		<b>\$290,260.71</b>	
10 Ton system	\$38,900.00	\$37,000.00	N/A	\$22,390.00	N/A
UHF - Air Cooled Solid State Transmitter 9.6 kW	<i>\$337,922.25</i>	\$337,922.25	see attachments: WMEC Transmitter Replacement WMEC DASP HPOL Pg4 WMEC TV Repack Ch 36 uaxte-16 qUOTE	\$267,870.71	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$1,560.00	\$1,500.00	N/A	N/A	N/A
Other Electrical Service: Circuit breaker installation for new transmitter and new wiring as necessary for transmitter power.	<i>\$1,600.00</i>	\$1,600.00	N/A	N/A	N/A

<b>Sub-total</b>	\$379,982.25	\$378,022.25	N/A	\$290,260.71	N/A
<b>Total for all systems</b>	\$1,605,851.25	\$1,499,576.77	N/A	\$835,163.34	N/A

## Components

Actual Information	
Description	File Name
10 Ton system	<p><b>Component Description:</b> final billing on 3 3-ton ductless split system HVAC</p> <p><b>Amount:</b> \$16,792.50</p>
	<p><b>Component Description:</b> 25% down payment on 3 3-ton ductless split system HVAC</p> <p><b>Amount:</b> \$5,597.50</p>
	<p><b>Component Description:</b> Final Invoice: balance due after Inv JW30004694-1. Includes memo and quotes. Please also reference memo with invoice JW30004694-1.</p> <p><b>Amount:</b> \$113,001.23</p>
	<p><b>Component Description:</b> UAXTE-16R44 Transmitter per quote Q-83031 (includes remote control, RF system &amp; electrical); memo re: remote control included</p> <p><b>Amount:</b> \$154,869.48</p>
UHF - Air Cooled Solid State Transmitter 9.6 kW	



2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Other Electrical Service: Circuit breaker installation for new transmitter and new wiring as necessary for transmitter power.	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 ALP8M3-HSBR-36</b>	<b>\$100,630.00</b>	<b>\$40,525.52</b>		<b>\$35,545.52</b>	
Sweep test of existing antenna	\$6,730.00	\$6,730.00	N/A	\$6,250.00	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$29,295.52	Updated to reflect the Final Invoice for the interim antenna.	\$29,295.52	N/A
dehydrator	<i>\$4,500.00</i>	\$4,500.00	N/A	\$0.00	N/A
<b>Primary Antenna ATW25H3-ESO10-36L</b>	<b>\$142,740.00</b>	<b>\$168,020.00</b>		<b>\$133,965.96</b>	
Dehydrator	<i>\$4,500.00</i>	\$4,500.00	N/A	\$4,188.21	N/A

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,120.00	N/A	\$4,800.00	N/A
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	\$103,100.00	\$130,000.00	ERI Quote 20190816-465 Rev A priced the UHF TRASAR antenna at \$127,830.	\$107,867.75	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,250.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$10,860.00	N/A
<b>Sub-total</b>	\$243,370.00	\$208,545.52	N/A	\$169,511.48	N/A
<b>Total for all systems</b>	\$1,605,851.25	\$1,499,576.77	N/A	\$835,163.34	N/A

## Components

Actual Information	
Description	File Name
Sweep test of existing antenna	<b>Component Description:</b> 10% of system sweep
	<b>Amount:</b> \$625.00
	<b>Component Description:</b> 90% of system sweep
	<b>Amount:</b> \$5,625.00

<p>UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized</p>	<p><b>Component Description:</b> 10% of equipment due upon installation, plus freight (ALP8M3-HSBR-36 and plate reducer, 50OHM)</p>
	<p><b>Amount:</b> \$3,971.32</p>
	<p><b>Component Description:</b> 10% of equipment due upon installation, plus freight (ALP8M3-HSBR-36 and plate reducer, 50OHM)</p>
	<p><b>Amount:</b> \$3,971.32</p>
	<p><b>Component Description:</b> 70% of equipment due upon delivery at site (ALP8M3-HSBR-36 and plate reducer, 50OHM)</p>
	<p><b>Amount:</b> \$19,696.60</p>
	<p><b>Component Description:</b> 20% of equipment due upon installation (ALP8M3-HSBR-36 and plate reducer, 50OHM)</p>
	<p><b>Amount:</b> \$5,627.60</p>
<p>dehydrator</p>	<p><b>Component Description:</b> waveguide dehydrator</p>
	<p><b>Amount:</b> \$2,905.81</p>
	<p><b>Component Description:</b> parts for assembly of waveguide dehydrator</p>
	<p><b>Amount:</b> \$1,282.40</p>

Dehydrator	<p><b>Component Description:</b> waveguide dehydrator</p> <p><b>Amount:</b> \$2,905.81</p> <p><b>Component Description:</b> part for assembly of waveguide dehydrator</p> <p><b>Amount:</b> \$1,282.40</p>
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	<p><b>Component Description:</b> antenna scatter study (10% due)</p> <p><b>Amount:</b> \$480.00</p> <p><b>Component Description:</b> antenna scatter study (90% due)</p> <p><b>Amount:</b> \$4,320.00</p>

<p>UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized</p>	<p><b>Component Description:</b> permanent antenna plus freight (ATW25H3-ESO10-36L and UHF fine matcher) - reimbursement request reduced, see included memo</p> <p><b>Amount:</b> \$12,218.90</p>
<p></p>	<p><b>Component Description:</b> permanent antenna (ATW25H3-ESO10-36L and UHF fine matcher) - reimbursement request reduced, see included memo</p> <p><b>Amount:</b> \$74,393.55</p>
<p></p>	<p><b>Component Description:</b> permanent antenna (ATW25H3-ESO10-36L and UHF fine matcher) - reimbursement request reduced, see included memo</p> <p><b>Amount:</b> \$21,255.30</p>
<p>Sweep test of existing antenna</p>	<p><b>Component Description:</b> system sweep (90% due)</p> <p><b>Amount:</b> \$5,625.00</p> <p><b>Component Description:</b> system sweep (10% due)</p> <p><b>Amount:</b> \$625.00</p>

Side mount brackets for high power antennas (if not included in antenna base cost)

**Component Description:**

custom mounts for permanent antenna

**Amount:**

\$1,086.00

**Component Description:**

custom mounts for permanent antenna

**Amount:**

\$7,602.00

**Component Description:**

custom mounts for permanent antenna

**Amount:**

\$2,172.00



**Cost Information** **Transmission Line**  
 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
<b>Primary Tower TOWER</b>	<b>\$574,800.00</b>	<b>\$462,000.00</b>		<b>\$100,347.85</b>	
Minor tower reinforcement /modifications	\$158,000.00	\$50,000.00	N/A	N/A	N/A
Phillystran guywires	<i>\$200,000.00</i>	\$200,000.00	See quotation for replacement of portion of top guy wires. Price includes installation. Additional allowance of \$100000 included as foundation mats are expected to be needed with the installation to avoid vehicles getting stuck in mud.	\$92,847.85	N/A
Interim Antenna	<i>\$120,000.00</i>	\$120,000.00	N/A	N/A	N/A

Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$7,500.00	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	N/A	N/A
<b>Interim Tower</b>	<b>\$317,449.00</b>	<b>\$306,949.00</b>		<b>\$204,646.00</b>	
Anchor evaluation.	<i>\$9,250.00</i>	\$9,250.00	Guy anchors have not been evaluated in over 30 years so it was necessary to do this before installing new guy wires. (Includes risk analysis and corrosion management plan.)	\$9,250.00	N/A
Interim antenna installation	<i>\$97,698.00</i>	\$97,698.00	N/A	\$97,698.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$97,698.00	N/A
New tower	<i>\$1.00</i>	\$1.00	N/A	N/A	N/A
<b>Sub-total</b>	\$892,249.00	\$768,949.00	N/A	\$304,993.85	N/A
<b>Total for all systems</b>	\$1,605,851.25	\$1,499,576.77	N/A	\$835,163.34	N/A

## Components

Actual Information Description	File Name
Minor tower reinforcement /modifications	Information not provided.
Phillystran guywires	<p data-bbox="715 389 1342 539"><b>Component Description:</b> Phillystran guy wires (2nd installment due) <b>Amount:</b> \$68,933.60</p> <p data-bbox="715 651 1331 801"><b>Component Description:</b> Phillystran guy wires (70% of equipment) <b>Amount:</b> \$13,699.00</p> <p data-bbox="715 913 1358 1099"><b>Component Description:</b> Phillystran guy wires plus freight (2nd installment due) <b>Amount:</b> \$10,215.25</p>
Interim Antenna	Information not provided.
Structural engineering tower load study for well documented tower	<p data-bbox="715 1308 1369 1420"><b>Component Description:</b> structural analysis product review #5 <b>Amount:</b> \$2,500.00</p> <p data-bbox="715 1532 1369 1644"><b>Component Description:</b> structural analysis product review #6 <b>Amount:</b> \$2,500.00</p> <p data-bbox="715 1756 1374 2018"><b>Component Description:</b> Structural analysis of WMEC tower #1018309 for repack work. Invoice paid with credit card. <b>Amount:</b> \$2,500.00</p>

Short Tower (less than 500')	Information not provided.
Anchor evaluation.	<p data-bbox="715 248 1318 315"><b>Component Description:</b> corrosion risk analysis</p> <p data-bbox="715 331 1278 360"><b>Amount:</b> \$1,750.00</p> <p data-bbox="715 472 1369 584"><b>Component Description:</b> corrosion management plan (WMEC)</p> <p data-bbox="715 595 1278 624"><b>Amount:</b> \$7,500.00</p>
Interim antenna installation	<p data-bbox="715 761 1374 828"><b>Component Description:</b> 90% of installation fees due</p> <p data-bbox="715 844 1289 873"><b>Amount:</b> \$87,928.20</p> <p data-bbox="715 985 1374 1097"><b>Component Description:</b> 10% of installation fees due on interim antenna</p> <p data-bbox="715 1108 1278 1137"><b>Amount:</b> \$9,769.80</p> <p data-bbox="715 1249 1374 1361"><b>Component Description:</b> 90% of installation fees due on interim antenna</p> <p data-bbox="715 1373 1278 1402"><b>Amount:</b> \$9,769.80</p>

Tall Tower (greater than 500')	<p><b>Component Description:</b> installation of primary (permanent) antenna (ATW25H3-ESO10-36L)</p> <p><b>Amount:</b> \$9,769.80</p>
New tower	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>\$49,670.00</b>	<b>\$105,030.00</b>		<b>\$64,264.30</b>	
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$20,000.00	Exceeded original budget due to extra hours needed to coordinate transition and construction delays /timeline changes for new licensee.	\$8,552.80	Exceeded original budget due to extra hours needed to coordinate transition and construction delays /timeline changes for new licensee.
Project management of the transition	\$18,960.00	\$60,000.00	Estimated Costs increased due to delay in primary antenna delivery and need for temporary antenna installation.	\$49,837.50	Estimated Costs increased due to delay in primary antenna delivery and need for temporary antenna installation.

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	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,242.50	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$2,050.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,800.00	On 8/17 /2017 received email from TV Broadcaster Relocation Fund Administrator requiring explanation for transmitter cost pertaining to power level specified. Additional costs involved reviewing and submitting response and revising 399 form.	\$2,713.50	On 8/17 /2017 received email from TV Broadcaster Relocation Fund Administrator requiring explanation for transmitter cost pertaining to power level specified. Additional costs involved reviewing and submitting response and revising 399 form.
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,680.00	N/A	\$918.00	N/A
<b>Sub-total</b>	\$49,670.00	\$105,030.00	N/A	\$64,264.30	N/A
<b>Total for all systems</b>	\$1,605,851.25	\$1,499,576.77	N/A	\$835,163.34	N/A

## Components

Actual Information Description	File Name
Prepare and or review reimbursement form	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit	



Application

**Component Description:** Legal Counsel -  
WMEC repack  
issues May 2020  
**Amount:** \$345.60

**Component Description:** Legal Counsel -  
WMEC repack  
issues October  
2020  
**Amount:** \$57.60

**Component Description:** Legal Counsel -  
WMEC repack  
issues April 2020  
**Amount:** \$345.60

**Component Description:** Legal Counsel -  
WMEC repack  
issues January  
2019 (memo  
included)  
**Amount:** \$513.00

**Component Description:** WMEC portion of  
invoice covering  
Legal issues &  
planning repack  
timeline.  
**Amount:** \$101.00

**Component Description:** PAYMENT DUE  
date is 30 days  
following the  
mailing date  
indicated on  
invoice. LEGAL  
COUNSEL FOR  
WMEC Repack  
Project - June  
2018  
**Amount:** \$555.50

**Component Description:** Legal Counsel -  
WMEC repack  
issues December  
2018/January  
2019 (memo  
included)

**Amount:** \$387.70

**Component Description:** Legal Counsel -  
WMEC repack  
issues April 2019

**Amount:** \$162.00

**Component Description:** Legal Counsel -  
WMEC repack  
issues November  
/December 2018

**Amount:** \$437.50

**Component Description:** Legal Counsel -  
repack issues for  
October 2018 due  
net 30

**Amount:** \$454.50

**Component Description:** Legal Counsel -  
WMEC repack  
issues January  
2020

**Amount:** \$57.60

**Component Description:** Legal Counsel -  
WMEC Repack -  
April 2018

**Amount:** \$50.50

**Component Description:** Legal Counsel -  
WMEC repack  
issues August  
2018 -- Payment  
due 30 days  
following invoice  
date.  
**Amount:** \$1,010.00

**Component Description:** Legal Counsel  
expenses for  
September 2018 --  
due within 30 days  
**Amount:** \$151.50

**Component Description:** Legal Counsel -  
Repack issues 12  
/2017  
**Amount:** \$50.50

**Component Description:** Legal Counsel for  
repack issues.  
**Amount:** \$151.50

**Component Description:** WMEC Portion of  
legal invoice is  
50% of total  
invoice.  
**Amount:** \$101.00

**Component Description:** Month's fees for  
Legal Counsel -  
repack issues - 01  
/2018  
**Amount:** \$112.00

**Component Description:** Legal Counsel -  
WMEC repack  
issues February  
2020  
**Amount:** \$115.20

**Component Description:** Legal Counsel -  
WMEC repack  
issues December  
2019  
**Amount:** \$1,350.00

**Component Description:** Legal Counsel -  
WMEC repack  
issues February  
2019  
**Amount:** \$1,068.00

**Component Description:** Legal Counsel -  
WMEC repack  
issues March  
2019  
**Amount:** \$702.00

**Component Description:** Legal Counsel -  
WMEC repack  
issues October  
2019  
**Amount:** \$486.00

Project management of the  
transition

**Component Description:** Program  
Management  
Services (quote  
included)  
**Amount:** \$18,000.00

**Component Description:** WMEC:  
Engineering  
Services: 2/1-2/28  
/20 - project  
management

**Amount:** \$2,475.00

**Component Description:** WMEC:  
Engineering  
Services: 1/1-2/1  
/19. 2018 Q4  
Quarterly report.

**Amount:** \$175.00

**Component Description:** WMEC:  
Engineering  
Services: 3/29-5/1  
/20 - project  
management

**Amount:** \$2,137.50

**Component Description:** Engineering  
Services 10/1-11/2  
/18: project  
management -  
review transmitter  
needs.

**Amount:** \$525.00

**Component Description:** WMEC:  
Engineering  
Services: 9/1-9/28  
/19. followup on  
antenna bid  
responses

**Amount:** \$450.00

**Component Description:** WMEC:  
Engineering  
Services: 4/1-5/31  
/19. Quarterly  
report; draft  
transmitter bid  
spec; Revision &  
update 399 form

**Amount:** \$1,750.00

**Component Description:** Engineering  
Services 10/1-11/2  
/18: project  
management -  
review transmitter  
needs & support  
costs.

**Amount:** \$350.00

**Component Description:** WMEC:  
Engineering  
Services: 3/1-3/31  
/20 - project  
management

**Amount:** \$1,012.50

**Component Description:** Engineering  
Services 11/1-11  
/30/19: project  
management - 10-  
wk progress  
report; determine  
alternatives for  
delay in primary  
antenna delivery;  
coordinate  
equipment,  
suppliers &  
submissions for  
STA, CP ext &  
interface w/FCC.

**Amount:** \$5,062.50

**Component Description:** WMEC:  
Engineering  
Services: 7/1-8/2  
/19. revise  
transmitter &  
antenna bid specs

**Amount:** \$700.00

**Component Description:** WMEC:  
Engineering  
Services: 8/1-8/30  
/19. review  
transmitter bid;  
project  
management  
meetings to  
determine scope  
of work & identify  
resources

**Amount:** \$1,575.00

**Component Description:** WMEC:  
Engineering  
Services: 2/2-3/31  
/19. Revision and  
update of 399 form

**Amount:** \$175.00

**Component Description:** WMEC:  
Engineering  
Services: 5/2-5/31  
/20 - project  
management

**Amount:** \$562.50

**Component Description:** Engineering Services 12/1/19-1/4/20: project management - quarterly report; request structural & engineering analyses and waiver request for ext of CP  
**Amount:** \$5,062.50

**Component Description:** WMEC: Engineering Services: 1/1-1/31/20 - project management  
**Amount:** \$6,075.00

**Component Description:** WMEC: Engineering Services 10/1-11/1/19: project management - quarterly report; create exhibits for CP mod/upload app data; review/recommend equipment layout  
**Amount:** \$1,125.00

**Component Description:** WMEC: Engineering Services: 6/1-6/30/19. revise transmitter bid spec; create antenna bid spec; update 399 form  
**Amount:** \$2,625.00



Address transition timing and coordination issues w/ other stations and wireless	Information not provided.								
Perform engineering study for new channel assignment and antenna development	Information not provided.								
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<table border="0"> <tr> <td data-bbox="710 483 1141 517"><b>Component Description:</b></td> <td data-bbox="1153 483 1369 752">WMEC Portion of invoice for preparing engineering Main 2100 Construction Permit Application</td> </tr> <tr> <td data-bbox="710 723 1141 757"><b>Amount:</b></td> <td data-bbox="1153 723 1369 757">\$1,500.00</td> </tr> <tr> <td data-bbox="710 862 1141 896"><b>Component Description:</b></td> <td data-bbox="1153 862 1369 1131">WMEC Portion of invoice for planning meeting to discuss assigned frequency for repack</td> </tr> <tr> <td data-bbox="710 1142 1141 1176"><b>Amount:</b></td> <td data-bbox="1153 1142 1369 1176">\$742.50</td> </tr> </table>	<b>Component Description:</b>	WMEC Portion of invoice for preparing engineering Main 2100 Construction Permit Application	<b>Amount:</b>	\$1,500.00	<b>Component Description:</b>	WMEC Portion of invoice for planning meeting to discuss assigned frequency for repack	<b>Amount:</b>	\$742.50
<b>Component Description:</b>	WMEC Portion of invoice for preparing engineering Main 2100 Construction Permit Application								
<b>Amount:</b>	\$1,500.00								
<b>Component Description:</b>	WMEC Portion of invoice for planning meeting to discuss assigned frequency for repack								
<b>Amount:</b>	\$742.50								
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.								
Prepare request for Special Temporary Authorization	Information not provided.								

<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<p><b>Component Description:</b></p>	<p>Legal Counsel - WMEC repack issues 01/2018 Resubmitted</p>
	<p><b>Amount:</b></p>	<p>\$112.00</p>
	<p><b>Component Description:</b></p>	<p>Legal counsel with Form 2100, Schedule 399 &amp; CP</p>
	<p><b>Amount:</b></p>	<p>\$939.00</p>
	<p><b>Component Description:</b></p>	<p>3rd Q-2017 Progress report guidance &amp; review. Consultation regarding repack issues.</p>
	<p><b>Amount:</b></p>	<p>\$207.00</p>
	<p><b>Component Description:</b></p>	<p>Legal counsel with Form 2100, Schedule 399 &amp; CP</p>
	<p><b>Amount:</b></p>	<p>\$1,018.50</p>
	<p><b>Component Description:</b></p>	<p>Legal counsel with Form 2100, Schedule 399 &amp; CP.</p>
	<p><b>Amount:</b></p>	<p>\$437.00</p>
<p>Attorney Fees - Prepare and File request for Special Temporary Authorization</p>	<p><b>Component Description:</b></p>	<p>Legal Counsel - WMEC repack issues November 2019</p>
	<p><b>Amount:</b></p>	<p>\$918.00</p>

**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>\$40,580.00</b>	<b>\$39,030.00</b>		<b>\$6,133.00</b>	
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	N/A	\$2,563.00	N/A
Develop and air announcement of upcoming channel change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$4,000.00</i>	\$4,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$195.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$10,000.00	N/A	\$3,570.00	N/A

Equipment Storage	\$2,500.00	\$2,500.00	N/A	N/A	N/A
<b>Sub-total</b>	\$40,580.00	\$39,030.00	N/A	\$6,133.00	N/A
<b>Total for all systems</b>	\$1,605,851.25	\$1,499,576.77	N/A	\$835,163.34	N/A

## Components

Actual Information	
Description	File Name
MVPD Notification of Channel Change	<p><b>Component Description:</b> Notification of Cable &amp; Satellite MVPD Providers of new RF Channel and Transport Stream Parameters (WMEC)</p> <p><b>Amount:</b> \$2,563.00</p>
Develop and air announcement of upcoming channel change	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.
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	<b>Component Description:</b> Notification of Medical Facilities - Transmitter Medical Facility Notification (WMEC) <b>Amount:</b> \$3,570.00
Equipment Storage	Information not provided.

**Cost Information** **Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$1,605,851.25	\$1,499,576.77	\$835,163.34

**Reimbursement Status**

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

Certification	Section	Question	Response
	<p><b>Submission of Estimated Expenses Statements</b></p>	<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.



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.

**Daniel Mahony**  
*President,*  
*Southern*  
*Illinois*  
*University*

04/19/2021

Certification	Section	Question	Response
	<p><b>Submission of Actual Cost Documentation Statements</b></p>	<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> </ol>	

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

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.

**Daniel Mahony**  
*President,  
Southern Illinois  
University*

04/19/2021

## Attachments