

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

**70537** Service: **DTV** Call WMEC Channel: 36 (UHF) Facility Sign:

ID:

File 0000027282

Number:

FRN: 0005941323 Date 09/08

> Submitted: /2021

#### **Applicant** Information

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

Applicant	Address	Phone	Email	Applicant Type
BOARD OF TRUSTEES OF SOUTHERN ILLINOIS UNIVERSITY	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 Reimbursement Contact Information

	Email
[Confidential]	

#### **Preparer** Contact Information

#### **Preparer Contact Name and Information**

Applicant	Address	Phone	Email
Gregory Best Consulting Engineer Greg Best Consulting Inc.	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 offair 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**

s	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	
Manufacturer and Type	Model	DCD20-PL-
	Year	2001
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	5 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	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
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	60.0 feet
	Other Electrical Service	Yes
	Description	Circuit breaker installation for new transmitter and new wiring as necessary for transmitter power.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	10 tons
	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** 

Transmitter Information not provided.

#### **Antennas**

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

## **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?	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
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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

## **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?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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	
		1

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

## **Other Antenna Costs**

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

## **Other Antenna Cost Not Listed**

Name	Description	
Dehydrator	Antenna and line dehydrator	

### 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?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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
	delivered
	on time to
	meet phase
	deadline so
	interim
	antenna is
	required.

## Interim Antenna

#### **Other Antenna Costs**

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
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

### Interim Antenna

#### **Other Antenna Cost Not Listed**

Name	Description
dehydrator	waveguide dehydrator

Transmission	n <sup>s</sup> entien	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
Existing Tower	Type of change	Modify Existing
Description	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
	Is tower compliant with Rev G?	No
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1018309
Coordinates (	Latitude (NAD83)	40° 23′ 54.0″ N-
NAD83 (North American Datum of 1983))	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
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

Name	Description
Interim Antenna	Mobilization and installation/removal of interim antenna until primary antenna is installed.
Phillystran guywires	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.

### Interim Tower

## **Tower Construction Costs**

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

## Interim Tower

## Other Tower Expenses Not Listed

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

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

## Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	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.
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	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
Attorney and Other Outside Consulting Services	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
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside
Professional Services Expenses Not Listed
Professional Services © Opstsided.

# 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	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
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 Not Listed

**Expenses** 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).

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Primary Transmitter UAXTE- 16R44	\$379,982.25	\$378,022.25		\$290,260.71	
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	\$337,922.25	\$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.	\$1,600.00	\$1,600.00	N/A	N/A	N/A

Sub-total	\$379,982.25	\$378,022.25	N/A	\$290,260.71	N/A
Total for all systems	\$1,605,851.25	\$1,499,576.77	N/A	\$835,388.34	N/A

## Components

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

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
Interim Antenna ALP8M3- HSBR-36	\$100,630.00	\$40,525.52		\$35,545.52	
dehydrator	\$4,500.00	\$4,500.00	N/A	\$0.00	N/A
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
Primary Antenna ATW25H3- ESO10-36L	\$142,740.00	\$168,020.00		\$133,965.96	
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

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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,250.00	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
Dehydrator	\$4,500.00	\$4,500.00	N/A	\$4,188.21	N/A
Sub-total	\$243,370.00	\$208,545.52	N/A	\$169,511.48	N/A
Total for all systems	\$1,605,851.25	\$1,499,576.77	N/A	\$835,388.34	N/A

## Components

<b>Actual Information</b>		
Description	File Name	

dehydrator		
	Component Description:	waveguide
		dehydrator
	Amount:	\$2,905.81
	Component Description:	parts for assembly
		of waveguide
		dehydrator
	Amount:	\$1,282.40
Sweep test of existing		
antonna	Component Description:	10% of system
		sweep
	Amount:	\$625.00
	Component Description:	90% of system
		sweep
	Amount:	\$5,625.00

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized

Component Description: 10% of equipment

due upon

installation, plus freight (ALP8M3-HSBR-36 and plate reducer, 50OHM)

**Amount:** \$3,971.32

Component Description: 70% of equipment

due upon delivery at site (ALP8M3-HSBR-36 and plate reducer, 50OHM)

**Amount:** \$19,696.60

Component Description: 20% of equipment

due upon installation

(ALP8M3-HSBR-36 and plate reducer, 50OHM)

**Amount:** \$5,627.60

Component Description: 10% of equipment

due upon

installation, plus freight (ALP8M3-HSBR-36 and plate reducer, 50OHM)

**Amount:** \$3,971.32

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)

Component Description: antenna scatter

study (90% due)

**Amount:** \$4,320.00

Component Description: antenna scatter

study (10% due)

**Amount:** \$480.00

Side mount brackets for high power antennas (if not **Component Description:** custom mounts for included in antenna base permanent antenna cost) \$2,172.00 **Amount: Component Description:** custom mounts for permanent antenna **Amount:** \$7,602.00 **Component Description:** custom mounts for permanent antenna **Amount:** \$1,086.00 Sweep test of existing antenna **Component Description:** system sweep (10% due) **Amount:** \$625.00 **Component Description:** system sweep (90% due) **Amount:** \$5,625.00

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized

**Component Description:** permanent antenna

(ATW25H3-ESO10-36L and UHF fine

matcher) -

reimbursement request reduced,

see included memo

**Amount:** \$74,393.55

Component Description: permanent antenna

(ATW25H3-ESO10-36L and UHF fine

36L and UHF fine matcher) -

reimbursement request reduced, see included memo

**Amount:** \$21,255.30

**Component Description:** permanent antenna

plus freight

(ATW25H3-ESO10-36L and UHF fine

matcher) reimbursement request reduced, see included memo

**Amount:** \$12,218.90

Dehydrator

Component Description: waveguide

dehydrator

**Amount:** \$2,905.81

Component Description: part for assembly

of waveguide dehydrator

**Amount:** \$1,282.40

# Cost Transmission Line

**Information** 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	\$574,800.00	\$462,000.00		\$100,347.85	
Short Tower (less than 500')	\$84,200.00	\$80,000.00	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
Interim Antenna	\$120,000.00	\$120,000.00	N/A	N/A	N/A

Phillystran guywires	\$200,000.00	\$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
Minor tower reinforcement /modifications	\$158,000.00	\$50,000.00	N/A	N/A	N/A
Interim Tower	\$317,449.00	\$306,949.00		\$204,646.00	
New tower	\$1.00	\$1.00	N/A	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$97,698.00	N/A
Interim	\$97,698.00	\$97,698.00	N/A	\$97,698.00	N/A

Anchor	\$9,250.00	\$9,250.00	Guy anchors	\$9,250.00	N/A
evaluation.			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.)		
			piaii. <i>j</i>		
Sub-total	\$892,249.00	\$768,949.00	N/A	\$304,993.85	N/A
Total for all systems	\$1,605,851.25	\$1,499,576.77	N/A	\$835,388.34	N/A

# Components

Actual Information Description	File Name
Short Tower (less than 500')	Information not provided.

/modifications		
Minor tower reinforcement	Information not provided.	
	Amount:	equipment) \$13,699.00
	Component Description:	Phillystran guy wires (70% of
	Amount:	\$68,933.60
		wires (2nd installment due)
	Component Description:	Phillystran guy
	Amount:	\$10,215.25
		(2nd installment due)
	Component Description:	Phillystran guy wires plus freight
Phillystran guywires		
Interim Antenna	Information not provided.	
	Amount:	\$2,500.00
		Invoice paid with credit card.
		repack work.
		of WMEC tower #1018309 for
	Component Description:	Structural analysis
	Amount:	\$2,500.00
	Component Description:	structural analysis product review #6
	Amount:	\$2,500.00
		product review #5

Tall Tower (greater than		
500')	Component Description:	installation of
		primary
		(permanent)
		antenna
		(ATW25H3-
		ESO10-36L)
	Amount:	\$9,769.80
	Component Description:	installation of
		primary
		(permanent)
		antenna
		(ATW25H3-
		ESO10-36L)
	Amount:	\$87,928.20
Interim antenna installation		
	Component Description:	10% of installation
		fees due on
		interim antenna
	Amount:	\$9,769.80
	Component Description:	90% of installation
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	fees due
	Amount:	\$87,928.20
	Component Description:	90% of installation
		fees due on
		interim antenna
	Amount:	\$9,769.80

Anchor evaluation.

Component Description:

Corrosion
management plan
(WMEC)
\$7,500.00

Component Description:

corrosion risk
analysis
Amount:
\$1,750.00

## **Cost** Information

#### **Outside Professional Services**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$49,670.00	\$105,030.00		\$64,489.30	
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.	\$50,062.50	Estimated Costs increased due to delay in primary antenna delivery and need for temporary antenna installation.
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,680.00	N/A	\$918.00	N/A

Attorney Fees - \$2,365.00 \$2,800.00 On 8/17 \$2,713.50  Prepare and /2017  File FCC Form received 2100 (main), email from License to TV  Cover Broadcaster  Application Relocation  Fund	/2017 received email from TV Broadcaste Relocation Fund Administrate
File FCC Form received 2100 (main), email from License to TV Cover Broadcaster Application Relocation	received email from TV Broadcaste Relocation Fund Administrato
2100 (main), email from License to TV Cover Broadcaster Application Relocation	email from TV Broadcaste Relocation Fund Administrato
License to TV  Cover Broadcaster  Application Relocation	TV Broadcaste Relocation Fund Administrato
Cover Broadcaster Application Relocation	Broadcaste Relocation Fund Administrato
Application Relocation	Relocation Fund Administrato
	Fund Administrato
Fund	Administrato
Administrator	
requiring	requiring
explanation	explanation
for	for
transmitter	transmitter
cost	cost
pertaining to	pertaining to
power level	power level
specified.	specified.
Additional	Additional
costs	costs
involved	involved
reviewing	reviewing
and	and
submitting	submitting
response	response
and revising	and revising
399 form.	399 form.
Attorney Fees \$5,260.00 \$20,000.00 Exceeded \$8,552.8	30 Exceeded
- Prepare and original	original
File FCC Form budget due	budget due
2100 (main), to extra	to extra
Construction hours	hours
Permit needed to	needed to
Application coordinate	coordinate
transition	transition
and	and
construction	construction
delays	delays
/timeline	/timeline
changes for	changes for
new licensee.	new license
Prepare and \$2,630.00 \$2,500.00 N/A N/A or review reimbursement	N/A
reimbursement form	

License to Cover Application  Prepare request for Special Temporary Authorization  Sub-total	\$1,580.00 \$2,050.00 \$49,670.00	\$1,500.00 \$2,050.00 \$105,030.00	N/A N/A	\$0.00 N/A \$64,489.30	N/A N/A
Cover Application  Prepare request for Special Temporary					
Cover	\$1,580.00	\$1,500.00	N/A	\$U.UU	N/A
Prepare engineering section of FCC Form 2100 (main),		Φ4 500 00	N1/A	<b>\$0.00</b>	N1/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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A

### Components

Actual Information Description	File Name
Project management of the	

Engineering

Services 3/1-4/01

/21 - project management

**Amount:** \$225.00

Component Description: WMEC:

Engineering

Services: 3/29-5/1

/20 - project

management

**Amount:** \$2,137.50

Component Description: WMEC:

Engineering

Services: 2/2-3/31 /19. Revision and update of 399 form

**Amount:** \$175.00

**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: 7/1-8/2

/19. revise transmitter & antenna bid specs

**Amount:** \$700.00

Engineering

Services: 9/1-9/28 /19. followup on antenna bid responses

**Amount:** \$450.00

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: 8/1-8/30

/19. review transmitter bid;

project

management meetings to determine scope of work & identify

resources

**Amount:** \$1,575.00

Engineering

Services: 6/1-6/30

/19. revise transmitter bid spec; create antenna bid spec; update 399 form

**Amount:** \$2,625.00

Component Description: WMEC:

Engineering

Services: 5/2-5/31 /20 - project management

**Amount:** \$562.50

Component Description: Engineering

Services 10/1-11/2

/18: project
management review transmitter

needs.

**Amount:** \$525.00

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

Engineering

Services: 2/1-2/28

/20 - project management

**Amount:** \$2,475.00

Component Description: WMEC:

Engineering

Services: 3/1-3/31

/20 - project

management

**Amount:** \$1,012.50

Component Description: Program

Management

Services (quote

included)

**Amount:** \$18,000.00

Component Description: WMEC:

Engineering

Services: 1/1-2/1 /19. 2018 Q4

Quarterly report.

**Amount:** \$175.00

Component Description: WMEC:

Engineering

Services: 1/1-1/31

/20 - project

management

**Amount:** \$6,075.00

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

Attorney Fees - Prepare and

File request for Special Temporary Authorization

Component Description: Legal Counsel -

WMEC repack issues November

2019

**Amount:** \$918.00

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application

Component Description: Legal counsel with

Form 2100, Schedule 399 &

СР

**Amount:** \$939.00

Component Description: Legal counsel with

Form 2100, Schedule 399 &

CP.

**Amount:** \$437.00

**Component Description:** 3rd Q-2017

Progress report guidance & review.
Consultation regarding repack

issues.

**Amount:** \$207.00

Component Description: Legal Counsel -

WMEC repack issues 01/2018 Resubmitted

**Amount:** \$112.00

Component Description: Legal counsel with

Form 2100, Schedule 399 &

СР

**Amount:** \$1,018.50

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application

Component Description: WMEC portion of

invoice covering Legal issues & planning repack

timeline.

**Amount:** \$101.00

Component Description: Legal Counsel -

WMEC repack issues April 2020

**Amount:** \$345.60

Component Description: Legal Counsel -

WMEC repack issues March

2019

**Amount:** \$702.00

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 December 2018/January 2019 (memo included)

**Amount:** \$387.70

Component Description: Legal Counsel -

WMEC repack issues January

2020

**Amount:** \$57.60

Component Description: Legal Counsel -

WMEC repack issues October

2019

**Amount:** \$486.00

Component Description: Legal Counsel -

repack issues for October 2018 due

net 30

**Amount:** \$454.50

Component Description: Month's fees for

Legal Counsel - repack issues - 01

/2018

**Amount:** \$112.00

Component Description: Legal Counsel -

WMEC Repack -

April 2018

**Amount:** \$50.50

Component Description: Legal Counsel -

WMEC repack issues February

2020

**Amount:** \$115.20

Component Description: Legal Counsel

expenses for September 2018 --

due within 30 days

**Amount:** \$151.50

Component Description: Legal Counsel -

WMEC repack issues October

2020

**Amount:** \$57.60

Component Description: Legal Counsel -

WMEC repack issues January 2019 (memo included)

**Amount:** \$513.00

Component Description: Legal Counsel for

repack issues.

**Amount:** \$151.50

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 August 2018 -- Payment due 30 days following invoice

date.

**Amount:** \$1,010.00

Component Description: Legal Counsel -

Repack issues 12

/2017

**Amount:** \$50.50

	Component Description:  Amount:	WMEC Portion of legal invoice is 50% of total invoice. \$101.00
	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 - WMEC repack issues May 2020
	Amount:	\$345.60
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Information not provided.

Perform engineering study

for new channel assignment and antenna development

Prepare engineering section of FCC Form 2100 (main),		
Construction Permit	Component Description:	WMEC Portion of
Application		invoice for
		planning meeting to discuss
		assigned
		frequency for
		repack
	Amount:	\$742.50
	Component Description:	WMEC Portion of
	Component Description.	invoice for
		preparing
		engineering Main
		2100 Construction
		Permit Application
	Amount:	\$1,500.00
Prepare engineering section of FCC Form 2100 (main),	Information not provided.	
License to Cover Application		
Prepare request for Special	Information not provided.	
Temporary Authorization		

# **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	\$40,580.00	\$39,030.00		\$6,133.00	
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	N/A	\$2,563.00	N/A
Develop and air announcement of upcoming channel change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$12,000.00	\$12,000.00	N/A	N/A	N/A
Equipment Storage	\$2,500.00	\$2,500.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$10,000.00	N/A	\$3,570.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$195.00	N/A	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$4,000.00	\$4,000.00	N/A	N/A	N/A
Sub-total	\$40,580.00	\$39,030.00	N/A	\$6,133.00	N/A
Total for all systems	\$1,605,851.25	\$1,499,576.77	N/A	\$835,388.34	N/A

### Components

File Name	
I IIO Hairio	
Component Description:  Amount:	Notification of Cable & Satellite MVPD Providers of new RF Channel and Transport Stream Parameters (WMEC) \$2,563.00
Information not provided.	
Information not provided.	
Information not provided.	
Component Description:  Amount:	Notification of Medical Facilities - Transmitter Medical Facility Notification (WMEC) \$3,570.00
	Amount:  Information not provided.  Information not provided.  Information not provided.  Component Description:

FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.

# Cost Information

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,605,851.25	\$1,499,576.77	\$835,388.34

Reimbursem	entestiatus	Response
	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

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 abovenamed applicant for the Authorization(s) specified above.

### Daniel Mahony President,

Southern
Illinois
University

09/08/2021

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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. Daniel
Mahony
President,
Southern
Illinois
University

09/08/2021

#### **Attachments**