

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 31570 Service: DTV Call WPAN Channel: 21 (UHF)

ID:

Sign:

12/08

File **0000028768**

Number:

FRN: **0019006501** Date

Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
B&C COMMUNICATIONS, LLC Doing Business As: B&C COMMUNICATIONS, LLC	William Smith, Manager 155 MIDDLE PLANTATION LANE GULF BREEZE, FL 32561 United States	+1 (716) 310- 3711	BILLSMEDIA@GMAIL. COM	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Tony L. zumMallen President QCommunications, LLC	Tony zumMallen 705B SE Melody LN Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcomm. tv

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	See attached Transition Plan Exhibit.

Transmitters

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	NV8604e
	Year	2008
	Туре	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power Capacity	3.6 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	3-9-2020- CH21- ERF of 620kW see attached- 3 9-power budget showing - TPO -11.82 kW. The ULXTE-20- 12.9kW is the min available transmitter. OLD power budget for Ch. 31-was 84 kw ERP which required 7 kw.

Primary Transmitter

Other Transmitter Costs

Question	Response
	Question

Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	No
	Description	N/A
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

Name	Description
Electrical	Install 200 amp panel, conduit, surge protector, etc.

Transmitter Site Preparation	Site prep for installation of the main transmitter and RF components not part of Gates SOW.
Site Survey	Site Survey - required to perform the engineering and design of new equipment at new ch21 site

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?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	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	Broadband Slot
	ERP: (Effective Radiated Power)	33.5 kW

Manufacturer	
Model	CS-2030- 5771-14
Year	2008

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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	24
	Lower Limit	512.00 MHz
	Upper Limit	518.00 MHz
	Design power capacity in use	90.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	620.0 kW
	Manufacturer	
		1

Model	ALP24M3- HSBx-21
Year	2020
Justification for New Antenna	ch 21 requires new antenna model form ch 31 see the attached 3- 9- WPAN_ERI- ALP24m3 - power budget file

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?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches inches
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 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

Other Antenna Cost Not Listed

Name	Description
Sales Tax	Sales tax for Antenna and transmission line
Freight	Freight for antenna and transmission line

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

on Line Settion	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Flexible Foam
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	790 feet per run

New Transmission Line

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T	ra	nsi	mi	SS	ion	١

n Line Section	Question	Response
New Transmission	Use	Primary (Main)
Line Costs	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1270 feet per run
	Justification for New Transmission Line	ch21 requires new line at new site. see the attached power budget for line details. 3-9- WPAN_ERI- ALP24M3-HSBx- 21_TPO20200226 and quote WPAN ERI 20200218- 051RevA ALP24 wMACX675 Line Installed

Other Transmission Line Expenses Not Listed

Primary	nary Other Transmission Line Expenses Not Listed		
Transmissio	n Line Name	Description	
	Vertical spring hanger	Vertical spring hangers that support	

transmission line.

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

Add 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	1054512
Coordinates (NAD83 (Latitude (NAD83)	30° 42' 21.0" N-
North American Datum of 1983))	Longitude (NAD83)	087° 24' 12.0" W
	Overall Structure Height	1414.02 feet
	Support Structure Height	1328.72 feet
	Ground Elevation Above Mean Sea Level (AMSL)	134.51 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	B&C Communications, LLC
Date Constructed	01/01/1997

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:	Serious 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
RF Installation	RF Installation
Tag Path Clearing	Tag Path clearing - 500 to 600 feet to 50 feet tag path
Tower Lighting	Tower Lighting due to height change. See letter attached to INV WPAN-37457F
Engineering Services - Land survey	3 separate visits to site to determine existing conditions, land survey, underground utilities, stake new tower centerline, new tower "as built" of base

Reinforcing Analysis and Design	Includes analysis and design of required tower reinforcements/modifications based on the previous ERI study
Additional Reinforcement Materials	Additional reinforcement materials and labor to install
Angle Brackets	Angle support brackets to reattach line to tower.

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	900
	Explanation	Scope and significance of project require outside management services to augment existing internal personnel to assist turnkey management of and ensure timely and safe execution of channel relocation.
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	4

	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	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	4
	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	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	10

Justification	the new ch21 site
	requires
	additional
	field
	engineering
	prior to and
	during the
	repack
	system
	installation
	due to the
	unknown
	nature of the
	new sites
	existing
	building and
	other
	tenants
	facilities to
	ensure
	proper
	engineering
	and designs
	are imposed

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs	Description
Consulting and Permit costs	Consulting Services for tower permitting for Repack.
General Legal	General Legal services related to Repack activities
Geotechnical Survey and Report	Geotech survey, report, and associated borings.
Vendor travel expenses	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project
General Consulting Engineering Services	Includes CP amendment, signal strength coverage map, change in tower height issues, general CP application

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	Yes
	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?	No
	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
Clear brush	Clear trees and brush to accommodate guy wire installation
Disconnect and decommission existing transmission and RF components	Disconnect transmitter and RF components from existing configuration to make way for new facilities.
Impedance Transformer	Additional parts - impedance transformer.
Portapotty	Portapotty for installation activities
Site Security	Site security to provide protection overnight for indoor and outdoor equipment during installation activities at an unmanned site.
Newspaper Legal Ads	Legal advertising for notice of channel change

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
Primary Transmitter ULXTE-20	\$671,666.00	\$638,891.00		\$508,077.10	
Site Survey	\$14,000.00	\$14,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	N/A	N/A
Transmitter Site Preparation	\$5,700.00	\$5,700.00	Site prep for installation of the main transmitter and RF components not part of Gates SOW.	N/A	N/A

\$13,616.00	\$13,616.00	Per Gulf	\$13,616.00	N/A
		Coast		
		Electrical		
		Contractors:		
		install 200		
		am		
		commercial		
		panel with all		
		breakers		
		required to		
		feed new tx,		
		pump module		
		and heat		
		exchanger.		
		_		
		equitivac		
\$60,500.00	\$27,725.00	Purchase	\$27,725.00	N/A
		and		
		installation of		
		(2) 5-ton		
		American St		
		20 SEER		
		variable		
		speed heat		
		pum, air		
		handlers,		
		with		
		associated		
		duct runs,		
		attached		
		attaoriou		
		Climatech		
			Coast Electrical Contractors: install 200 am commercial panel with all breakers required to feed new tx, pump module and heat exchanger. Install conduit, surge protector. Remove unused conduit /wiring. Replace disconnecting eq on HVAC \$60,500.00 \$27,725.00 Purchase and installation of (2) 5-ton American St 20 SEER variable speed heat pum, air handlers, with associated duct runs, controllers, switches, permits per	Coast Electrical Contractors: install 200 am commercial panel with all breakers required to feed new tx, pump module and heat exchanger. Install conduit, surge protector. Remove unused conduit /wiring. Replace disconnecting eq on HVAC \$60,500.00 \$27,725.00 Purchase and installation of (2) 5-ton American St 20 SEER variable speed heat pum, air handlers, with associated duct runs, controllers, switches, permits per

2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,200.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$25,550.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$38,200.00	N/A	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$14,400.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$494,500.00	N/A	\$466,736.10	N/A
Sub-total	\$671,666.00	\$638,891.00	N/A	\$508,077.10	N/A
Total for all systems	\$3,007,549.07	\$3,525,811.77	N/A	\$3,064,373.16	N/A

Components

Actual Information Description	File Name				
Site Survey	Information not provided.				
Transmitter Site Preparation	Information not provided.				
Electrical	Component Description:	Electrical work - Gulf Coast			
	Amount:	Electrical - INV 2020-154 \$13,616.00			

10 Ton system		
	Component Description:	HVAC system for WPAN - INV 3305
	Amount:	\$27,725.00
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
	Information not provided	
Transformer 3 phase/480v - 150 KVA	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	
Service entrance 3 phase /800 amp/208 volt	Information not provided.	
UHF - Liquid Cooled Solid		
State Transmitter 8.2 - 13	Component Description:	Freight for RF
kW		components -
		Gates INV
		US0339845
	Amount:	\$340.69
	Component Description:	Third and final
	Component Description.	invoice for
		transmitter.
		Includes sales tax
		& Freight. Gates
		INV US0339470
	Amount:	\$176,398.57
	Component Description	Gates Air - 1st
	Component Description:	transmitter invoice
		# JW30004736-1 -
		Q-86562
	Amount:	\$144,998.42
		ψ. 1 1,0001 IZ
	Component Description:	2nd invoice for
		transmitter.
		GatesAir
		JW30004736-2

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
Primary Antenna ALP24M3- HSBx-21	\$148,022.57	\$147,692.57		\$110,692.57	
Sales Tax	\$27,870.50	\$27,870.50	Sales tax for antenna and tx line - ERI Proposal 20200218- 051 Rev C - Charged on INV WPAN- 56638	\$27,870.50	N/A
Freight	\$5,593.46	\$5,593.46	Freight for antenna and tx line per ERI invoice WPAN- 56638	\$5,593.46	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$23,150.00	N/A	N/A	N/A

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,700.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 620 kW input, directional,, horizontally polarized	\$70,978.61	\$70,978.61	per attached proposal - 3-9- WPAN ERI 20200218- 051RevA ALP24 wMACX675 Line Installed	\$70,978.61	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,250.00	N/A
Sub-total	\$148,022.57	\$147,692.57	N/A	\$110,692.57	N/A
Total for all systems	\$3,007,549.07	\$3,525,811.77	N/A	\$3,064,373.16	N/A

Components

Actual Information Description	File Name	
Sales Tax		
	Component Description:	Sales tax for
		antenna and
		transmission line -
		ERI - WPAN-
		56638
	Amount:	\$27,870.50

Freight		
	Component Description:	Freight for
		antenna and tx
		line - ERI INV
		WPAN-56638
	Amount:	\$5,593.46
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
UHF - High Power, Side		
Mount, basic slot antenna,	Component Description:	Antenna portion of
24 bay,, 620 kW input,		invoice - WPAN -
directional,, horizontally		ERI - INV WPAN-
polarized		64000A
	Amount:	\$35,489.30
	Component Description:	WPAN-ERI
		ANTENNA LINE
		001
	Amount:	\$35,489.31

Sweep test of existing	
antenna	Componen

Component Description: Remaining

amount for sweep

- ERI INV WPAN-

56638

Amount: \$625.00

Component Description: WPAN - ERI -

Sweep - INV

WPAN-64000A

Amount: \$2,500.00

Component Description: WPAN - SWEEP

TEST LINE 028 -

INV WPAN-64000

Amount: \$3,125.00

Cost Information

Transmission Line

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

Description Primary Transmission Line	Predetermined Cost Estimate \$257,919.61	Estimated Cost \$200,879.61	Estimated Cost Justification	Actual Cost \$174,684.41	Actual Cost Justification
Vertical spring hanger	\$1,379.61	\$1,379.61	Vertical spring hangers to support the transmission line. Per actual costs - ERI invoice 56550	\$1,379.61	N/A
Rigid Transmission Line - copper, 6 1/8"	\$256,540.00	\$199,500.00	per attacehd proposal - 3- 9-WPAN ERI 20200218- 051RevA ALP24 wMACX675 Line Installed plus estimated freight	\$173,304.80	N/A
Sub-total	\$257,919.61	\$200,879.61	N/A	\$174,684.41	N/A
Total for all systems	\$3,007,549.07	\$3,525,811.77	N/A	\$3,064,373.16	N/A

Components

Actual Information	
Description	File Name

Vertical spring hanger		
	Component Description:	Vertical Spring hangers for tx line - ERI - INV 56550
	Amount:	\$1,379.61
gid Transmission Line -		
pper, 6 1/8"	Component Description:	Transmission line
		not needed - ERI -
		WPAN-56638
	Amount:	(\$1,861.50)
	Component Description:	WPAN - ERI -
		Transmission line
		& dryer - INV
		WPAN-64000A
	Amount:	\$87,583.15
	Component Description:	WPAN - TX LINE
		AND DRYER -
		LINES 002-026
		INV WPAN-64000
	Amount:	\$87,583.15

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 Primary Tower	Predetermined Cost Estimate \$1,491,543.72	Estimated Cost \$2,139,256.32	Estimated Cost Justification	Actual Cost \$2,025,451.31	Actual Cos Justificatio
TOWER					
RF Installation	\$1,868.59	\$1,868.59	PER ERI Order 37457P - INV 56731	\$1,868.59	N/A
Additional Reinforcement Materials	\$10,486.80	\$10,486.80	Additional reinforcement materials from ERI Order # 374570 - includes labor to install and FL sales tax	\$10,486.80	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$29,975.00	Two TAs needed to determine refurbished versus replaced. The 2nd TA was able to determine the tower can be refurbished if shortened and all tenents removed and with substantial reinforcements of tower and foundation work. see ERI 20200213-002	\$29,975.00	N/A

Tall Tower (greater than 500')	\$210,500.00	\$291,175.00	per ERI Proposal 20200218-05, line item 029 - TV Services. see attached	\$206,649.99	N/A
Angle Brackets	\$12,695.00	\$12,695.00	Per ERI change order 37457D.1 attached to invoice WPAN- 56218	\$12,695.00	N/A
Reinforcing Analysis and Design	\$5,250.00	\$5,250.00	Per actual costs charged on ERI invoice #54843	\$5,250.00	N/A
Tag Path Clearing	\$18,705.00	\$18,705.00	Tag Path Clearing: 500 - 600 feet to 50 feet tag path. PER ERI Inv 56573	\$18,705.00	N/A
Tower Lighting	\$138,158.33	\$138,158.33	Tower lighting - includes sales tax. Per ERI invoice WPAN- 37457F and WPAN-56505 (freight)	\$138,158.33	The total are actured costs are the same at the estimate costs: \$138,158

Proposal 20200213-002, line item 002 - TV Services. see attached WPAN-399- Tower mod summary-Final 3-9-2020 includes foundation repair Includes sales tax on INV WPAN-37457E						
Services - Land survey Electronics Research, Inc #20200103-684 for \$29280.00. Sub-total \$1,491,543.72 \$2,139,256.32 N/A \$2,025,451.31 Total for all \$3,007,549.07 \$3,525,811.77 N/A \$3,064,373.16	reinforcement	\$1,052,000.00	\$1,601,662.60	Proposal 20200213- 002, line item 002 - TV Services. see attached WPAN-399- Tower mod summary-Final 3-9-2020 includes foundation repair Includes sales tax on INV WPAN-	\$1,601,662.60	N/A
Total for all \$3,007,549.07 \$3,525,811.77 N/A \$3,064,373.16	Services -	\$29,280.00	\$29,280.00	from Electronics Research, Inc #20200103- 684 for	N/A	N/A
	Sub-total	\$1,491,543.72	\$2,139,256.32	N/A	\$2,025,451.31	N/A
	Total for all systems	\$3,007,549.07	\$3,525,811.77	N/A	\$3,064,373.16	N/A

Components

Actual Information Description	File Name	
RF Installation		
	Component Description:	RF Installation - ERI - INV 56731
	Amount:	\$1,868.59
Additional Reinforcement Materials		
Materials	Component Description:	Additional
		reinforcement mat &
		labor - ERI - INV
		56730
	Amount:	\$10,486.80

Structural engineering tower load study for well documented tower

Component Description: 2nd invoice Tower

reinforcing analysis

& design. ERI invoice WPAN-

37457C-1

Amount: \$3,250.00

Component Description: 1st invoice

engineering climbing inspection of tower - ERI INV WPAN-3000

Amount: \$11,737.50

Component Description: 2nd invoice

engineering tower climbing inspection -ERI WPAN-54187

Amount: \$11,737.50

Component Description: Tower: Reinforcing

analysis and design.

ERI INV WPAN-

37457C

Amount: \$3,250.00

Tall Tower (greater than		
500')	Component Description:	Antenna removal
		done by others - per
		CO 37457D - ERI -
		INV WPAN-56638
	Amount:	(\$55,407.50)
	Component Description:	Installation of line &
		antenna - WPAN -
		ERI - INV WPAN-
		64000A
	Amount:	\$116,470.00
	Common and Decembrations	WDAN EDI
	Component Description:	WPAN - ERI INSTALLATION OF
		LINE AND
		ANTENNA - LINE
		029 - INV WPAN-
		64000 - ROUNDED
		DOWN 1 PENNY
	Amount:	\$145,587.49
Angle Brackets		
· ·	Component Description:	Angle support
	production production and production	brackets - ERI - INV
		WPAN-56218
	Amount:	\$12,695.00
Reinforcing Analysis and		
Design	Component Description	EDI roinforcina
	Component Description:	ERI - reinforcing analysis and design -
		INV 54843
	Amount:	
	Amount	\$5,250.00
Tag Path Clearing	Amount	φ 3 ,230.00
Tag Path Clearing	Component Description:	Tag path clearing -
Tag Path Clearing		

Tower Lighting Tower light change **Component Description:** due to height. WPAN - ERI - INV WPAN-37457F Amount: \$136,696.10 **Component Description:** freight for tower lights - ERI - INV WPAN-56505 Amount: \$1,462.23 Serious tower reinforcement **Component Description:** WPAN- ERI -/modifications **TOWER** REFURBISHMENT LINE 001,002,003 MATERIAL, **FOUNDATION INV** WPAN-54000 Amount: \$776,129.50 **Component Description:** Weather Days tower work - ERI INV 56335 Amount: \$13,000.00 **Component Description:** tower work plus sales tax - ERI - INV WPAN-37457E Amount: \$130,998.50 **Component Description:** WPAN Tower Work: ERI reinforcement, foundation, tv install - INV WPAN-54000A \$681,534.60 Amount: Engineering Services -Information not provided. Land survey

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	Actua Justif
Outside Professional Services	\$361,708.52	\$326,503.62		\$205,988.97	
General Legal	\$6,445.00	\$6,445.00	General Legal services related to Repack	\$6,445.00	Pei invo
Consulting and Permit costs	\$12,743.52	\$12,743.52	Consulting and permitting costs for WPAN tower site	\$12,743.52	
Additional Field Engineering Service, 10 Days	\$22,500.00	\$22,500.00	estimated amount for 10 days of field engineering	N/A	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$42,000.00	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	\$210.00	
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,105.00	N/A	\$690.00	

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$14,720.00	\$14,720.00	N/A	N/A	
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	\$1,140.00	
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$0.00	
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$6,000.00	
Prepare and or review reimbursement form	\$2,630.00	\$3,100.00	Estimated Cost Justification WPAN-590- Prepare and_or Review Reimbursement Form v4	\$3,100.00	reimb of th but of entry a requi lette de ame sub
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$0.00	

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,975.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00
Prepare request for Special Temporary Authorization	\$8,200.00	\$8,200.00	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,860.00
Vendor travel expenses	\$14,000.00	\$14,000.00	estimated vendor travel for the project	N/A
Geotechnical Survey and Report	\$9,500.00	\$9,500.00	Per ERI Proposals 2019717-126 and 20190913-739 attached to invoice 54838	\$9,500.00

General Consulting Engineering Services	\$13,800.00	\$13,800.00	Consulting Engineering - several issues, including tower height changes, CP application amendment, signal strength coverage, FAA consulting, CP extension, Tolling waiver, CP review. Lohnes and Culver invoices	\$13,110.00
Project management of the transition	\$142,200.00	\$150,140.10	per actual invoices from QCommunications and Widelity.	\$145,215.45
Sub-total	\$361,708.52	\$326,503.62	N/A	\$205,988.97
Total for all	\$3,007,549.07	\$3,525,811.77	N/A	\$3,064,373.16

Components

Actual Information		
Description	File Name	

General Legal	Component Description:	Current amount due
	Amount	only. Legal Services - Jeffrey Timmons - INV 02763
	Amount:	\$780.00
	Component Description:	WPAN - Timmons - GEn Legal Aug - Oct 2020 - INV 2792
	Amount:	\$390.00
	Component Description:	Gen Legal 1/1/19 - 3 /16/19 - Timmons - INV 02543
	Amount:	\$30.00
	Component Description:	Legal services 10/2 /20 thru 10/15/20 - Timmons - INV 2810
	Amount:	\$1,145.00
	Component Description:	Current amount due only. Legal Services - Jeffrey Timmons - INV 2741
	Amount:	\$3,270.00
	Component Description:	Legal - medical notifications - Timmons - INV 2793
	Amount:	\$830.00
Consulting and Permit costs	Component Description:	Permitting and
		consulting services for WPAN Tower site - AFF - INV 2020243
	Amount:	\$12,743.52

Additional Field Engineering Service, 10 Days	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Component Description:	Legal invoice for Ch. 31 FAA filing work (replaces prior invoices submitted).
	Amount:	\$210.00
ASR modification (prepare FCC Form 854)	Component Description:	Prepare 854-MD - Lohnes & Culver - INV 202009-1590- 01-31570
	Amount:	\$690.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description:	WPAN-550- Attorney - Negotiate Lease and Other Matters
	Amount:	\$210.00
	Component Description:	Calls with client and conference call with Widelity re: repack reimbursement
	Amount:	issues \$270.00
	Component Description: Amount:	Legal Services \$660.00

Attorney Fees -Prepare Information not provided. and File FCC Form 2100 (main), License to Cover Application Perform engineering study for new channel **Component Description: New Channel** assignment and antenna Assignment & development Antenna Development \$2,400.00 Amount: **Component Description:** Alternate Channel Analysis Amount: \$3,600.00 Prepare and or review reimbursement form **Component Description:** Legal invoice for cost estimates /reimbursements work. Request reimburse \$2500 approved in allotment, vendor wrote off/credit for \$1250 per retainer; adds cover letter to previously submission. Amount: \$2,500.00 **Component Description:** Upload invoice to Widelity site Amount: \$60.00 **Component Description:** Legal Services Amount: \$90.00 **Component Description:** Legal Services \$180.00 Amount:

Legal Services **Component Description:** \$150.00 Amount: **Component Description:** Legal Services Amount: \$120.00 **Component Description:** Legal Services Amount: \$30.00 **Component Description:** Legal invoice for cost estimates /reimbursements work. Request reimburse \$2500 approved in allotment, vendor wrote off/credit for \$1250 per retainer. Amount: \$2,500.00 Address transition timing Information not provided. and coordination issues w/ other stations and wireless Prepare engineering section of FCC Form 2100 **Component Description:** FCC Form 2100 (main), Construction Construction Permit Permit Application Application Amount: \$1,735.00 **CP** Application **Component Description:** Modification Amount: \$1,240.00 Information not provided. Prepare engineering section of FCC Form 2100 (main), License to Cover Application

Prepare request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Legal invoice for Ch. 31 construction permit application work (replaces prior invoices submitted). \$4,860.00
Vendor travel expenses	Information not provided.	
Geotechnical Survey and Report	Component Description: Amount:	ERI prop 20190717- 129 and 20190913- 739. Geotech survey and associated borings. INV 54838 \$9,500.00

General Consulting Engineering Services

Component Description: Various consulting

engineering -Lohnes & Culver -INV 202010-1590-

01-31570

Amount: \$2,910.00

Component Description: FAA consulting,

FAA notification -Lohnes & Culver -INV 202009-1590-

01-31570

Amount: \$2,190.00

Component Description: CP application

amendment and signal strength coverage map -Lohnes & Culver INV 201904-1590-

01-31570

Amount: \$2,390.00

Component Description: Lohnes - eng

consultant - prepare final power budget -INV 202010-1590-

02-31570

Amount: \$750.00

Component Description: Structural issues of

tower; prepare eng statement for 399 -Lohnes & Culver -INV 202003-1590-

01-31570

Amount: \$4,870.00

Project management of the transition

Component Description: 399 processing PM

- QC20-484

Amount: \$1,508.90

Component Description: Tech and field PM

April 2020

Amount: \$10,175.20

Component Description: Tech and Field Proj

mgmt Jan 2020

Amount: \$24,000.20

Component Description: Provide Project

Management to station for repack -QComm INV QC20-

272

Amount: \$1,698.50

Component Description: Technical and field

PM Aug 2019 QC20-370

Amount: \$7,094.20

Component Description: Field and Tech Proj

mgmt - June 2020

Amount: \$14,046.20

Component Description: 8-3-20 QComm -

PM hours for June 2020 - QC20-354

Amount: \$466.10

Component Description: Project

Management paperwork July 2020 - INV QC20-

432

Amount: \$742.60

Component Description: October 2020

Paperwork PM -QComm - INV QC20-504

Amount: \$3,768.30

Component Description: 399 "paperwork"

processing - PM -August 2020 -QC20-483

Amount: \$2,575.40

Component Description: Field and Tech proj

mgmt - Feb 2020

Amount: \$18,154.20

Component Description: Tech & field proj

mgmt July 2020

Amount: \$10,886.20

Component Description: Technical and field

proj mgmt Oct 2019

Amount: \$1,027.00

Component Description: Technical and field

proj mgmt - Nov

2019

Amount: \$2,133.00

Component Description: Tech & field Proj

mgmt Dec 2019

Amount: \$4,345.00

Component Description: Tech and field PM

March 2020 -

Amount: \$17,143.00

Component Description: Tech and Field proj

mgmt September

2019

Amount: \$6,399.00

Component Description: Technical and Field

project

management - July

2019 -

Amount: \$2,196.20

Component Description: May 2020 PM

Amount:

Hours - QComm - INV QC20-330

\$450.30

Component Description: Widelity April

project

management - INV B&C-WPAN-037. NOTE: INVOICE NUMBER IS B&C-WPAN-037. "And" was substituted for "&" in the invoice

number.

Amount: \$2,233.35

Component Description: Technical and field

proj mgmt - May

2020

Amount: \$14,172.60

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	1	

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 Cos
Other Expenses	\$76,688.65	\$72,588.65		\$39,478.80	
Portapotty	\$1,750.00	\$1,750.00	Actual costs per XTreme Plumbing & Septic Invoices	\$1,750.00	N/A
Site Security	\$21,600.00	\$21,600.00	Overnight site security to protect indoor and outdoor equipment during installation activities at an unmanned site.	\$21,600.00	N/A
Impedance Transformer	\$1,538.77	\$1,538.77	Impedance transformer per ERI invoice 56408 - additional parts.	\$1,538.77	N/A
Disconnect and decommission existing transmission and RF components	\$14,000.00	\$14,000.00	estimated amount to disconnect and decommission tx and rf components	N/A	N/A
Clear brush	\$9,650.00	\$9,650.00	Clear trees and brush from guy paths per ERI invoice 56411	\$9,650.00	N/A

MVPD Notification of Channel Change	\$1,000.00	\$1,000.00	Prepare and send notices to MVPDs.	\$0.00	N/A
Develop and air announcement of upcoming channel change	\$250.00	\$250.00	Voice talent to tape announcement.	\$0.00	N/A
Equipment Delivery and Handling Charges	\$8,500.00	\$8,500.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$5,000.00	\$5,000.00	N/A	\$980.15	N/A
DTV Medical Facility Notification	\$11,550.00	\$7,500.00	N/A	\$3,750.00	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	\$325.00	N/A	\$0.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	\$0.00	N/A

Newspaper Legal Ads	\$209.88	\$209.88	Newspaper legal ad regarding channel	\$209.88	N/A
			change and resume broadcast date. NW Daily News -		
			34426797		
Sub-total	\$76,688.65	\$72,588.65	N/A	\$39,478.80	N/A
Total for all systems	\$3,007,549.07	\$3,525,811.77	N/A	\$3,064,373.16	N/A

Components

Actual Information	
Description	File Name

Portapotty		
	Component Description:	Portapotty for one month with 2 cleanings/week.
	Amount:	1032150767743 \$150.00
	Component Description:	portapotty services Nov 5 - Dec 4, 2020 - Xtreme - INV I1585
	Amount:	\$400.00
	Component Description:	portapotty services 12-5-20 thru 1-4- 2021 - Xtreme - INV I2348
	Amount:	\$325.00
	Component Description:	Portapotty 9/7/20 thru 10/6/20 - Xtreme INV I2051
	Amount:	\$325.00
	Component Description:	Portapotty services Oct 5 - Nov 4, 2020
	Amount:	\$400.00

Component Description:

Amount:

Portapotty for September 2020

\$150.00

Site Security		
	Component Description:	Week #6 - final site
		security invoice-
		Severance - INV
	_	1295
	Amount:	\$2,700.00
	Component Description:	Site security from 8
		/4/20 to 8/10/20.
	Amount:	\$3,780.00
	Common ant Decemention	40/7/20 Davisad
	Component Description:	10/7/20 Revised - Site security week
		4 - Severance - INV
		1290
	Amount:	\$3,780.00
	O	0
	Component Description:	Security services for 8/18/20 through
		8/24/20.
	Amount:	\$3,780.00
	Component Description:	Revised date -
		Security services for 8/11/20 through
		8/17/20.
	Amount:	\$3,780.00
	Component Description:	Revised 10/7/20
		Site Security -
		week 5 -
		Severance INV
	Amount:	1293 \$3,780.00
	Amount.	φο,,, ουυυ
Impedance Transformer		
	Component Description:	Impedance
		transformer - ERI - INV 56408
	Amount:	\$1,538.77
	Amount.	ψ1,000.11

Disconnect and decommission existing transmission and RF components	Information not provided.	
Clear brush		
	Component Description:	Clear trees & brush from guy paths - ERI - INV 56411
	Amount:	\$9,650.00
MVPD Notification of Channel Change	Information not provided.	
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	Component Description:	Dumpster - ERI -
value)	Amount:	INV 56354 \$980.15
DTV Medical Facility Notification	Component Description:	Medical Notifications -
		WPAN - RF Notifications - INV 1488
	Amount:	\$3,750.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,007,549.07	\$3,525,811.77	\$3,064,373.16

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. William Smith President

12/08/2020

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. William Smith President

12/08/2020

Attachments