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

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **47904** | Service: **DTV** | Call Sign: **WRC-TV** | Channel: **48 (UHF)**

File Number: **0000028771**

FRN: **0019509470** | Date Submitted: **05/03/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
NBC TELEMUNDO LICENSE LLC	Margaret L. Tobey 300 NEW JERSEY AVE, N.W. SUITE 700 WASHINGTON, DC 20001 United States	+1 (202) 524-6401	MARGARET.TOBEY@NBCUNI.COM	Limited Liability Company

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Margaret L Tobey *NBCUniversal, LLC*	300 New Jersey Ave. NW Suite 700 Washington, DC 20001 United States	+1 (202) 524-6401	Margaret.Tobey@nbcuni.com

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	Replace old IOT aux with reliable solid state transmitter and tunable filter. Use with broadband aux antenna on old channel while replacing main antenna and transmitter with equipment for new channel. Retune aux filter and transmitter after repack/

Transmitters

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

Auxiliary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Used to remain on air when work done on main transmitter or antenna
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	DCX-2
	Year	2000
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	37 kW
	Justification for New Transmitter	older IOT transmitter no longer supported by manufacturer

Auxiliary Transmitter

Other Transmitter Costs

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

	Description	Cost to disconnect power from old transmitter and connect to new transmitter.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	DCXP-2
	Year	2012
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	53 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	88.5 kW
	Justification for New Transmitter	It is less expensive to buy new Solid State, than to re-tune existing Comark IOT.

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	No
	Size	N/A
	Length	N/A

	Other Electrical Service	Yes
	Description	Actual electrical connectivity from main building distribution to transmitter.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Electrical disconnection	Remove electric connection from old main transmitter

Antennas

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

Auxiliary Antenna

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	Used to maintain coverage when main antenna or transmitter is unavilable
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	Is this antenna directional?	No
	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
	Type	Broadband Panel
	Number of Stations Supported	1

Number of Panels	36
Design power capacity in use	50.0 %
Lower Limit	470.00 MHz
Upper Limit	698.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	291.0 kW
Manufacturer	RFS
Model	PHP36L
Year	2011

Auxiliary Antenna

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	No

Auxiliary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	

Auxiliary Antenna

Other Antenna Cost Not Listed

Information not provided.

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	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 Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	813.0 kW

Manufacturer	
Model	TFU-26GTH-R04
Year	2000

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	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)	624.0 kW
	Manufacturer	

Model	TFU-23JTH /VP-R O6
Year	2019
Justification for New Antenna	Existing antenna is single channel (48) and will not work on new channel (34).

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	7 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No

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

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
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	
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	625 feet per run

Primary Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	625 feet per run
	Justification for New Transmission Line	Old line is insufficient for new antenna

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Feed Through Complex	Feed Thru complex to get the line into the antenna from tower
Antenna Adapter Section	Test adapter section 3' long

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	
	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?	No
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1036610
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 56' 24.0" N-
	Longitude (NAD83)	077° 04' 53.0" W-
	Overall Structure Height	662.07 feet
	Support Structure Height	524.93 feet
	Ground Elevation Above Mean Sea Level (AMSL)	386.81 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	NBC Subsidiary (WRC-TV) LLC
Date Constructed	10/29/1998

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
73200	WKYS	FM
69532	WFDC-DT	DTV
168063	WIAV-CD	DTV
54712	WMMJ	FM
38437	WMDO-CD	DTV

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Other
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	1040
	Explanation	Project oversight of transmitter install, electrical connectivity, tower work, and antenna installation. Additional time will be spent tracking financial and legal process and coordinating with other broadcasters.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	No
	Prepare engineering section of Form FCC Construction Permit Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare engineering section of Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A

	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	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	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	40

	Justification	Transmitter and RF design at ground level

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

Other Expenses

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

Other Expenses

Other Expenses Not Listed

Information not provided.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actu Just
Primary Transmitter THU9-60	**$4,504,895.00**	**$2,101,721.78**		**$2,014,826.78**	
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	$1,788,000.00	$1,007,413.39	***System Notice: Estimate adjusted and locked because line has been superseded. ***Retuning or replacing the existing IOT transmitter would be more expensive as a completely new RF system would be required and additional labor would be required. Next higher power transmitter requested to preserve headroom in old transmitter.	$1,007,413.39	
UHF - Liquid Cooled Solid State Transmitter 86.8 . 106 kW	$2,630,000.00	$1,007,413.39	N/A	$1,007,413.39	
Other Electrical Service: Actual electrical connectivity from main building distribution to transmitter.	***$83,753.00***	$83,753.00	See attachment "NBC Transmitter Power 2017 8-1-17.pdf" quote from Power Solution - items "Install" and "Rigging".	N/A	

Electrical disconnection	***$3,142.00***	$3,142.00	See attachment "NBC Transmitter Power 2017 8-1-17.pdf" from Power Solutions - "Disconnect main transmitter"	N/A
Auxiliary Transmitter THU9-30	**$1,485,474.00**	**$1,043,854.00**		**$0.00**
Other Electrical Service: Cost to disconnect power from old transmitter and connect to new transmitter.	***$12,474.00***	$12,474.00	See attachment "NBC Transmitter Power 2017 8-1-17.pdf" quote from Power Solutions - "Reconnect /Disconnect auxiliary transmitter"	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	$1,473,000.00	$1,031,380.00	See attachment "NBC_THU9-30_Evo_399_Template.pdf" with complete quote for transmitter and related items from Rohde and Schwarz.	N/A
Sub-total	$5,990,369.00	$3,145,575.78	N/A	$2,014,826.78
Total for all systems	$7,605,192.75	$4,370,666.28	N/A	$2,135,535.42

Components

Actual Information	
Description	**File Name**

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	**Component Description:** **Amount:**	New revised invoice. This accounts only for the cost of line 1 and the proportional amount of tax. It does not include the upgrades in line item 2 because that cost will go towards maximization. SEE UPDATED INVOICE WITH COVER LETTER. $1,007,413.39
UHF - Liquid Cooled Solid State Transmitter 86.8 . 106 kW	**Component Description:** **Amount:**	Changed the transmitter model and associated information. $1,007,413.39
Other Electrical Service: Actual electrical connectivity from main building distribution to transmitter.	Information not provided.	
Electrical disconnection	Information not provided.	
Other Electrical Service: Cost to disconnect power from old transmitter and connect to new transmitter.	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	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
Primary Antenna TFU-23JTH /VP-R O6	**$303,400.00**	**$215,392.50**		**$0.00**	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$200,760.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	$13,900.00	$14,632.50	see attached proposal	N/A	N/A
Auxiliary Antenna PHP36L	**$196,230.00**	**$6,400.00**		**$0.00**	
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A

UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	$189,500.00	$0.00	N/A	N/A	N/A
UHF â€“ Broadband Panel, Side Mount Auxiliary /Interim, 291 horizontally polarized	***$0.00***	$0.00	design to be determined	N/A	N/A
Sub-total	$499,630.00	$221,792.50	N/A	$0.00	N/A
Total for all systems	$7,605,192.75	$4,370,666.28	N/A	$2,135,535.42	N/A

Components

Information not provided.

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	**$222,158.75**	**$184,293.00**		**$0.00**	
Rigid Transmission Line - copper, 7 3 /16"	$181,250.00	$143,384.25	N/A	N/A	N/A
Feed Through Complex	***$22,578.75***	$22,578.75	necessary to get line from tower into the top mount antenna	N/A	N/A
Antenna Adapter Section	***$18,330.00***	$18,330.00	required to sweep line and antenna	N/A	N/A
Sub-total	$222,158.75	$184,293.00	N/A	$0.00	N/A
Total for all systems	$7,605,192.75	$4,370,666.28	N/A	$2,135,535.42	N/A

Components

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
Auxiliary Tower LTOWER	**$0.00**	**$0.00**		**$0.00**	
Primary Tower TOWER	**$421,000.00**	**$400,000.00**		**$0.00**	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$400,000.00	N/A	N/A	N/A
Sub-total	$421,000.00	$400,000.00	N/A	$0.00	N/A
Total for all systems	$7,605,192.75	$4,370,666.28	N/A	$2,135,535.42	N/A

Components

Information not provided.

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	**$356,665.00**	**$312,250.00**		**$120,708.64**	
Project management of the transition	$164,320.00	$156,000.00	N/A	$83,648.07	N/A
Additional Field Engineering Service, 40 Days	***$70,000.00***	$70,000.00	N/A	$35,074.81	N/A
RF Exposure Measurements	$21,050.00	$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	$84,200.00	$50,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	$1,532.16	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

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	$453.60	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	$4,210.00	$4,000.00	N/A	N/A	N/A
Sub-total	$356,665.00	$312,250.00	N/A	$120,708.64	N/A
Total for all systems	$7,605,192.75	$4,370,666.28	N/A	$2,135,535.42	N/A

Components

Actual Information Description	File Name	
Project management of the transition	**Component Description:** **Amount:**	October 2018 Project Management $7,170.00
	Component Description: **Amount:**	Point B Project Management January 2019 $5,277.50
	Component Description: **Amount:**	August 2018 Project Management $2,670.32

Component Description:	August 2018 Project Management
Amount:	$6,085.00
Component Description:	Project Management Invoice
Amount:	$150.00
Component Description:	Project Management Invoice
Amount:	$5,250.00
Component Description:	Point B project management services for the month of February 2019. See line item.
Amount:	$1,621.52
Component Description:	Project Management Services
Amount:	$1,072.50
Component Description:	Project Management Services
Amount:	$1,365.00
Component Description:	June 2018 Project Management
Amount:	$1,200.00

Component Description:	Project Management Services
Amount:	$348.95
Component Description:	September 2018 Project Management
Amount:	$300.00
Component Description:	Project Management Services
Amount:	$2,145.00
Component Description:	WRC AFF Consulting January 2019 - Project Management Services
Amount:	$1,061.33
Component Description:	Structural assessment project management
Amount:	$349.60
Component Description:	Project management and travel expenses
Amount:	$10,042.20
Component Description:	Project Management Services
Amount:	$975.00

Component Description:	Coordination with Vertical Tower Systems on antenna replacement cost estimate
Amount:	$374.30
Component Description:	Mar-Apr 2018 Project Management
Amount:	$375.00
Component Description:	July 2018 Project Management
Amount:	$8,725.00
Component Description:	June 2018 Project Management
Amount:	$5,400.00
Component Description:	October 2018 Project Management
Amount:	$2,404.85
Component Description:	Project Management Services
Amount:	$750.00
Component Description:	September 2018 Project Management
Amount:	$4,135.00

Component Description:	Project management
Amount:	$8,250.00
Component Description:	April Project Management
Amount:	$6,150.00

Additional Field Engineering Service, 40 Days	**Component Description:** Structural Engineering Services **Amount:** $11,750.00 **Component Description:** Engineering inspection and analysis **Amount:** $11,750.00 **Component Description:** Additional Structural Engineering Services **Amount:** $3,000.00 **Component Description:** Engineering Site Survey **Amount:** $30,475.00 **Component Description:** Repack Engineering Site Survey, see attached site survey report for supporting documentation and cover letter for justification. **Amount:** $5,074.81 **Component Description:** Deposit on upcoming review of tower rigging plan. **Amount:** $3,500.00
RF Exposure Measurements	Information not provided.

Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare and or review reimbursement form	**Component Description:** Review of Form 399 **Amount:** $43.65 **Component Description:** Review of Form 399. **Amount:** $43.65 **Component Description:** See lines 2-6 of invoice, less 10% vendor discount. **Amount:** $1,331.46 **Component Description:** See line 3 of invoice, less 10% vendor discount. **Amount:** $113.40
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** See line 1 of invoice, less 10% vendor discount. **Amount:** $37.80 **Component Description:** See lines 1 & 2 of invoice, less 10% vendor discount. **Amount:** $415.80

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.

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	**$115,370.00**	**$106,755.00**		**$0.00**	
MVPD Notification of Channel Change	***$10,000.00***	$10,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$15,000.00***	$15,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$2,950.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A
Local Zoning	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Non-zoning permits	***$15,000.00***	$15,000.00	N/A	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	***$20,790.00***	$20,790.00	See attachment "NBC Transmitter Power 2017 8-1-17.pdf" quote from Power Solutions - "Demolition"	N/A	N/A
Equipment Delivery and Handling Charges	***$12,500.00***	$12,500.00	This covers shipping for required items specified in the R&S main and auxiliary transmitter quotes where shipping is not included -- the RF system (including mask filter) and 400VAC transformers for two transmitters.	N/A	N/A
Equipment Storage	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Sub-total	$115,370.00	$106,755.00	N/A	$0.00	N/A
Total for all systems	$7,605,192.75	$4,370,666.28	N/A	$2,135,535.42	N/A

Components

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$7,605,192.75	$4,370,666.28	$2,135,535.42

Reimbursement Status

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

Certification

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

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

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Margaret L Tobey** *Assistant Secretary* 05/03/2019

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Margaret L Tobey** *Assistant Secretary* 05/03/2019

Attachments