

Federal Communications Commission

#### (REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility ID: File Number:	62424 000002	Service: DTV 6396	Call Sign:	KCDT	Channel: <b>18 (UHF)</b>
FRN: <b>00(</b>	01631738	Date Submitted:	12/26 /2019		

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

#### Applicant Information

on	Applicant	Address	Phone	Email	Applicant Type
	STATE BOARD OF EDUCATION, STATE OF IDAHO Doing Business As: IDAHO PUBLIC TELEVISION	Technology Director 1455 NORTH ORCHARD STREET ATTN: RICHARD VAN GENDEREN BOISE, ID 83706 United States	+1 (208) 373- 7220	Dutch@idahoptv. org	Government Entity

#### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

# Preparer Preparer Contact Name and Information Contact Applicant Address Phone Email

Richard Van Genderen Director of Technology State Board of Education, State of Idaho dba Idaho Public Television	Director of Technology Idaho Public Television 1455 N. Orchard Street Boise, ID 83706 United States	+1 (208) 373-7220	dutch@idahoptv. org
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Broadcaster	Question	Response	
Information and Transition Plan	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	Install interim Aux.antenna and move KCDT- 45 and K26LJ-D over to it at reduced output power. (Requires STA) Then decommission existing KCDT-45 antenna and damaged transmission line. Install new UHF wideband antenna and 3 1/8" rigid line on tower.	

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

Primary	Existing Transmitter Information			
Transmitter	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 opera condition?	Is this transmitter currently in operating condition?	Yes	
	Existing Transmitter	Manufacturer		
	Manufacturer and Type	Model	DHD15P1	
		Year	2002	
		Туре	Solid State	
		Solid State Cooling	Air Cooled	
		Solid State Power Capacity	3.75 kW	

**Existing Transmitter Information** 

Primary	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Primary (Main)	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Manufacturer		
		Model	UAXTE-8	
		Transmitter Type	Solid State	
		Solid State Cooling	Air Cooled	
		Solid State Power capacity	4.8 kW	
		Justification for New Transmitter	Current transmitter is 15 years old and not re-tuneable to new assigned lower frequency. Power output required to make authorized ERP.	

Primary	Other Transmitter Costs

Transmitter	Section	QuestionResponseService Entrance (3 phases 800A 208V)No		
	Electrical Service       Service Entrance (3 phases 800A 208V)         Switchgear (industrial 800 amp)         Transformer (480V)         Power	Service Entrance (3 phases 800A 208V)	No	
		Switchgear (industrial 800 amp)	No	
		Transformer (480V)	No	
		Power	N/A	

	Rigid Conduit and Wiring	Yes
	Size	1.5 inches
	Length	20.0 feet
	Other Electrical Service	Yes
	Description	Will have to add a couple of standard 110V circuits for operation of the dual exciters.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	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

#### Other Transmitter Cost Not Listed

Primary Transmitter	Other Transmitter Cost Not Listed		
	Name	Description	
	2-port UHF channel combiner	A new 2 port UHF channel combiner will be required. We currently utilize one and it is not tuneable to the new assigned channel.	
	Stringent Mask filter	New Stringent Mask filter for new channel assignment	

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information			
Antenna	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?	Yes	
		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	Broadband Panel	
		Number of Stations Supported	2	
		Number of Panels	8	
		Design power capacity in use	60.0 %	
		Lower Limit	626.00 MHz	
		Upper Limit	806.00 MHz	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	55.0 kW	
			-	

Manufacturer	
Model	881-8
Year	2002

Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
61953	K26LJ-D

Primary	New Antenna Costs			
Antenna	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?	Yes	
		Is antenna directional?	Yes	
New Antenna Manufacturer a		Will antenna be located on or in close proximity to an antenna farm?	No	
		Class	Full Power	
	Manufacturer and Types	Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	Broadband Slot	
		Number of Stations Supported	2	
		Number of Panels/Bays	8	
		Lower Limit	494.00 MHz	
		Upper Limit	548.00 MHz	
		Design power capacity in use	30.0 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	50.0 kW	
		Manufacturer		
		Model	JA/MS-8	

Year	2019
Justification for New Antenna	Existing antenna is broadband, but for upper UHF frequencies which KCDT will not be authorized to operate on. A new antenna must be employed for the new lower UHF assignment.

Primary	Other Antenna Costs			
Antenna	Section	Question	Response	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes	
		Туре	New	
		Number of channels supported	2	
Elbow Complex	Frequencies of channels supported	Upper and lower frequency		
		Frequency	494.0 MHz - 548.0 MHz	
		Do you need a combiner output splitter /switcher for dual feed lines?	No	
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes	
		Broadband or Single Channel?	Broadband	
		Feed Line Size	3 1/8 inches inches	

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

#### Other Antenna Cost Not Listed

Primary Antenna

Name	Description
Line Adapters	Adapters to go from 3 inch line to 1.5 inch line for proposed aux antenna.
Aux.Temp Antenna	Proposed 2 panel medium power light weight antenna array to be used while tower work being performed for new full power antenna.
Flexible foam core heliax	To connect Aux/Temp antenna to combiner; 1 5/8" heliax and mounting hardware.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

ransmissio	n 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
Existing Transmission Line Manufacturer and Type		Site	N/A
		Is the existing transmission line shared with another station or stations?	Yes
		Is Transmission Line in operating condition?	Yes
	Line Manufacturer and	Manufacturer	
		Туре	Flexible A
		Diameter	3 inches
		Other Diameter	N/A
		Segment Length	N/A
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	105 feet per run

# Primary Existing Transmission Line

#### Facility ID's and Call Signs of all stations with whom the transmission line is shared.

Facility ID	Call Sign
61953	K26LJ-D

Primary	New Transmission Line			
Transmissio	on 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	
		Туре	Rigid	
		Diameter	3 1/8 inches	
		Other Diameter	N/A	
		Segment Length	Broadband	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	105 feet per run	
		Justification for New Transmission Line	Existing line is ice damaged and should be replaced.	

Other Transmission Line Expenses Not Listed Transmission

Interim	New Transmission Line			
Transmissio	n Section	Question	Response	
	New Transmission Line	Use	Interim	
	Costs	Description of Use	N/A	
		Change Type	Purchase New	
		Туре	Flexible Foam	
		Diameter	1 5/8 inches	
		Segment Length	N/A	
		Other Segment Length		
		Number of parallel runs	1	
		Length	75 feet per run	
		Justification for New Transmission Line	This line will connect auxiliary antenna to existing combiner in the effort to keep signals on the air while new antenna and line are installed on tower. It is smaller since the aux antenna has lower power capacity than full power replacement antenna.	

Interim	Other Transmission Line Expenses Not Listed		
Transmissio	nline	Description	
	Hangers- Grounding kit	Will require line hangers and 2 grounding kits for this heliax line.	

#### other Transmission Line Expenses Not Listed

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

mary	Existing	Tower

Primary	Existing Tower			
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?	Terrain Constrained	
		Is this tower currently shared with any other stations?	Yes	
		One or more FM, AM or TV radio broadcaster(s)	No	
		Others Types of Users	Yes	
		Is tower documented for structural analysis?	Yes	
		Is tower compliant with Rev G?	Yes	
	Existing Tower Structure Registration	Do you have a tower registration number?	No	
	Registration	ASR Number		
	Coordinates (NAD83 ( North American Datum of	Latitude (NAD83)	47° 43' 53.66" N-	
	1983))	Longitude (NAD83)	116° 43' 50.7" W-	
		Overall Structure Height	93.00 feet	
		Support Structure Height	80.00 feet	

Ground Elevation Above Mean Sea Level (AMSL)	4062.00 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Idaho Public Television
Date Constructed	06/01/1991

### Other Types of Users

Users

LPTV x 4

LPFM x 3

WISP

#### **Tower Rigging Costs** Primary

Tower

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

#### Other Tower Expenses Not Listed Primary

Tower Information not provided.

Outside Professional	Section	Question	Response
	Services Costs Outside Project Management Services	Do you require outside project management services?	No
		Number of Hours	N/A
		Explanation	N/A
	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	Yes
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	Yes
		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	Prepare and file Form FCC Construction Permit Application	No
	Services	For Auxiliary Facility	N/A
		For Main Facility	N/A
		Prepare and file Form FCC License to Cover Application	No
		For Auxiliary Facility	N/A
		For Main Facility	N/A

	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	No
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	4
	Justification	Installation of new transmitter by factory technician.

Outside Professional	Other Professional Services Expenses Not Listed		
	Services Costs	Description	
	Tower Structural Study	Inventory and structural study of existing and proposed loading with new antennas.	

Other	Section	Question	Response
Expenses	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	Yes
		FCC Construction Permit Minor Change	No
		FCC License to Cover Application	No
		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.

#### Transmitters

#### Cost Information

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 UAXTE-8	\$256,800.00	\$165,300.00		\$119,430.31	
Stringent Mask filter	\$5,500.00	\$5,500.00	N/A	\$4,580.98	N/A
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	\$236,500.00	\$145,000.00	N/A	\$103,385.23	N/A
1.5" Rigid Conduit and Wiring	\$800.00	\$800.00	N/A	N/A	N/A
Other Electrical Service: Will have to add a couple of standard 110V circuits for operation of the dual exciters.	\$500.00	\$500.00	N/A	N/A	N/A
2-port UHF channel combiner	\$13,500.00	\$13,500.00	N/A	\$11,464.10	N/A
Sub-total	\$256,800.00	\$165,300.00	N/A	\$119,430.31	N/A
Total for all systems	\$1,064,728.40	\$529,552.40	N/A	\$311,141.14	N/A

Actual Information Description	File Name	
Stringent Mask filter	Component Description: Amount:	RF Accessorie Mask filter \$4,580.98
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	Component Description: Amount:	Transmitter \$103,385.23
1.5" Rigid Conduit and Wiring	Information not provided.	
Other Electrical Service: Will have to add a couple of standard 110V circuits for operation of the dual exciters.	Information not provided.	
2-port UHF channel combiner	Component Description:	CIF/Combiner System
	Amount:	\$11,464.10

#### Antennas

#### Cost Information

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 JA /MS-8	\$188,679.00	\$154,829.00		\$78,159.27	
Flexible foam core heliax	\$1,500.00	\$1,500.00	N/A	N/A	N/A
Aux.Temp Antenna	\$15,000.00	\$15,000.00	N/A	\$6,375.26	N/A
Line Adapters	\$2,999.00	\$2,999.00	N/A	\$334.01	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 3 1 /8. feedline (if needed)	\$9,340.00	\$8,880.00	N/A	N/A	N/A

Sweep test of existing antenna\$6,730.00\$7,800.00Quoted figure from Antenna vendor\$7,800.00Due to our state process and rules we were unable to speak to vendors before going thru the bidding process. These estimates could take place.UHF - High Power Top Mount Two station antenna\$29,980.00Vendor estimate (Auote for noelliptically or circularly polarized\$29,980.00Vendor estimate (Auote for noelliptically polarized version of antennaN/ANew combiner, cost per channel\$84,200.00\$50,000.00N/AN/AUHF - High Power, Side station antenna\$33,670.00N/AN/ANew cost per channel\$33,670.00N/AN/AUHF - High polarized version of antenna\$33,670.00N/AN/AUHF - High polarized\$33,670.00N/AN/ANew cost per channel\$33,670.00N/A\$33,670.00UHF - High polarized\$33,670.00N/AN/AUHF - High polarized\$33,670.00N/A\$33,670.00New cost per channel\$33,670.00N/A\$33,670.00UHF - High polarized\$33,670.00N/A\$33,670.00Sub-total\$188,679.00\$154,829.00N/A\$78,159.27						
Power Top Mount Two Station antenna elliptically or circularly polarizedestimate /quote for non- elliptically polarized version of antenna.N/ANew combiner, cost per channel (without antenna)\$84,200.00\$50,000.00N/AN/AN/AVEW combiner, cost per channel (without antenna)\$33,670.00\$33,670.00N/AN/AN/AUHF - High Power, Side boadband panel, 8 bay, 36 kW elliptically or circularly polarized\$33,670.00***System stimate adjusted and locked because because submission line has been superseded.\$33,670.00Cuote and Letter attached to most recent because submission line has been\$33,670.00Superseded.	of existing	\$6,730.00	\$7,800.00	figure from Antenna	\$7,800.00	state process and rules we were unable to speak to vendors before going thru the bidding process. These estimates were made well before the bidding process could take
combiner, cost per channel (without antenna) UHF - High Power, Side Mount, broadband panel, 8 bay,, 36 kW input, elliptically or circularly polarized	Power Top Mount Two Station antenna elliptically or circularly	\$ <b>29,980.00</b>	\$29,980.00	estimate /quote for non- elliptically polarized version of	\$29,980.00	N/A
Power, SideNotice:LetterMount,Estimateattached tobroadbandadjustedmostpanel, 8and lockedrecentbay,, 36 kWbecausesubmissioninput,Ine hasjusteddirectional,,beenelliptically orsuperseded.circularly***	combiner, cost per channel (without	\$84,200.00	\$50,000.00	N/A	N/A	N/A
Sub-total \$188,679.00 \$154,829.00 N/A \$78,159.27 N/A	Power, Side Mount, broadband panel, 8 bay,, 36 kW input, directional,, elliptically or circularly	\$33,670.00	\$33,670.00	Notice: Estimate adjusted and locked because line has been superseded.	\$33,670.00	Letter attached to most recent
	Sub-total	\$188,679.00	\$154,829.00	N/A	\$78,159.27	N/A

Total for all	\$1,064,728.40	\$529,552.40	N/A	\$311,141.14	N/A
systems					

Actual Information Description	File Name	
Flexible foam core heliax	Information not provided.	
Aux.Temp Antenna	Component Description: Amount:	Scala Broadband Cavity Back Slot Antenna. \$5,899.00
	Component Description:	Scala Broadband Cavity Backslot Antenna
	Amount:	\$5,899.00
	Component Description: Amount:	Antenna Mount and Standoff Arm \$476.26
Line Adapters	Component Description: Amount:	Reducer Adapter \$334.01
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.	

antenna	Component Description:	JAMPRO Field Technician - inspection of equipment
	Amount:	installation \$7,800.00
UHF - High Power Top Mount Two Station antenna		
elliptically or circularly	Component Description:	This is the
polarized		antenna cost minus the optiona
		elliptical
		polarization that
		we are funding
		ourselves. See
		JamPro Quote
	Amount:	AP021918D
	Amount.	\$29,980.00
New combiner, cost per channel (without antenna)	Information not provided.	

UHF - High Power, Side Mount, broadband panel, 8 bay,, 36 kW input, directional,, elliptically or circularly polarized	Component Description:	JAMPRO JA/MS- 8 Prostar medium Power Top Mounted, Elliptically Polarized UHF Slot Broadband Antenna
	Amount:	\$29,980.00
	Component Description:	Dehydrator, Low- pres mem 19 in rack wall mount w /discrete and
	Amount:	summary alarms \$3,136.00
	Component Description: Amount:	Scala Bullet \$26.00
	Component Description:	Scala FMTV-03 EIA Fine
	Amount:	Matching Unit \$528.00
	Component Description:	Scala FMTV EIA Fine Matching Unit Connections
	Amount:	\$528.00
	Component Description:	Scala 1 5/8" EIA
	Amount:	Bullet \$26.00

#### **Transmission Line**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$2,550.00	\$2,475.00		\$1,325.00	
Hangers- Grounding kit	\$750.00	\$750.00	N/A	N/A	N/A
Flexible Foam Transmission Line - dielectric, 1 5 /8"	\$1,800.00	\$1,725.00	N/A	\$1,325.00	Quote and Letter attached to most recent submission
Primary Transmission Line	\$12,600.00	\$21,927.00		\$13,837.00	
Rigid Transmission Line - copper, 3 1 /8" broadband	\$12,600.00	\$21,927.00	Manufacturer quote, includes hangers and grounding, entry port, etc.	\$13,837.00	Due to our state processes and rules we were unable to speak to vendors prior to the bidding process.
Sub-total	\$15,150.00	\$24,402.00	N/A	\$15,162.00	N/A
Total for all systems	\$1,064,728.40	\$529,552.40	N/A	\$311,141.14	N/A

Actual Information Description	File Name
Hangers- Grounding kit	Information not provided.

Component Description: Amount:	Andrew 1 5/8" Virtual Foam Cable \$655.00
Component Description:	Andrew 1 58" EIA Straight Connector for LDF7 & AVA7
Amount:	\$670.00
Component Description:	Andrew Straight Connector for LDF7 & AVA7. Andrew Virtual Foam Cable
Amount:	\$1,325.00
Component Description: Amount:	Transmission line \$13,837.00
	Amount:   Component Description:   Amount:   Component Description:   Amount:   Component Description:

#### **Tower Equipment and Rigging Costs**

#### Cost Information

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	\$421,000.00	\$55,000.00		\$43,275.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$55,000.00	N/A	\$43,275.00	N/A
Sub-total	\$421,000.00	\$55,000.00	N/A	\$43,275.00	N/A
Total for all systems	\$1,064,728.40	\$529,552.40	N/A	\$311,141.14	N/A

Actual Information Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description: Amount:	Install equipment \$43,275.00

#### **Outside Professional Services**

#### Cost Information

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	\$150,890.00	\$104,557.00		\$41,556.37	
Tower Structural Study	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Additional Field Engineering Service, 4 Days	\$11,500.00	\$11,500.00	N/A	\$18,839.45	Please see quote attached to invoice. The quote for GatesAir Services is on page 5; Section 4, no. 15.
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	\$40,000.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$270.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$0.00	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$2,047.00	Increase estimate due to inquiry to seek guidance from FCC regarding new antennae installation	\$2,047.00	This is for new auxilia antenna.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	\$8,143.62	Exchange with antenr manufactur of propose replacemen antenna fo repack. Als constructio permit had be submitte twice.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,010.00	The cost of this invoice was over the estimated cost due to clerical costs such as copies and postage	\$3,009.25	Copy charges more thar expected
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$6,767.85	Need to open transmissio line and install testir equipmen for enginee

Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,479.20	N/A
Sub-total	\$150,890.00	\$104,557.00	N/A	\$41,556.37	N/A
Total for all systems	\$1,064,728.40	\$529,552.40	N/A	\$311,141.14	N/A

Actual Information Description	File Name	
Tower Structural Study	Information not provided.	
Additional Field Engineering Service, 4 Days	Component Description: Amount:	Engineering Services - see quote attached to invoice. Section 4; no 15 and 16. \$18,839.45
RF Exposure Measurements	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description: Amount:	Attorney Fees - Prepare & File Request \$270.00
Prepare request for Special Temporary Authorization	Information not provided.	

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Component Description:	Consulting engineering services thru 7/18 - draft of inquiry to seek guidance from FCC regarding new antenna installation
	Amount:	\$732.00
	Component Description:	CONSULTING ENGINEERING SERVICES CONCERNING COMMUNICATON WITH ANTENNA MANUFACTURER AND PREP OF EXHIBITS FOR PRELIMINARY DRAFT OF ENGINEERING STATEMENT \$1,315.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Component Description: Amount:	Engineering statement entitled "Engineering Statementin support of an application to construct repacked facilities. \$1,591.62
	Component Description: Amount:	CONSULTING ENGINEERING SERVICES CONCERNING ITEMS ON REPACK \$4,172.00
	Component Description: Amount:	Contact with FCC staff to present transmission line measurement data \$2,380.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Preparation of forms \$3,009.25

Perform engineering study for new channel assignment and antenna development	Component Description:	Prepare engineering statement entitled "Engineering Statementin support of a modification of pending application to construct repacked facilities KCDT
	Amount:	\$2,203.90
	Component Description:	Opening transmission line and installing testing equipment on the end connector.
	Amount:	\$1,000.00
	Component Description:	RF Engineering Consulting Services KCDT
	Amount:	\$5,767.85

Prepare and or review		
reimbursement form	Component Description:	Consulting engineering services concerning inquiries to antenna manufacturer on delivery date and other items regarding incentive auction mandated channel change \$1,894.20
	Component Description:	Teleconference with FCC staff regarding status of KCDT
	Amount:	\$90.00
	Component Description:	Responded to FCC staff email regarding transition progress report due
	Amount:	\$90.00
	Component Description:	This invoice shows a balance of \$90 for a total of \$450. Actual current invoice is \$360.00. Correspondence regarding status and reimbursement process
	Amount:	, \$360.00
	Component Description:	Review repack transition plan progress report for KCDT
	Amount:	\$45.00

## **Other Expenses**

## Cost Information

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	\$32,209.40	\$25,464.40		\$13,558.19	
Develop and air announcement of upcoming channel change	\$1,500.00	\$1,500.00	N/A	\$1,532.50	Running more ads than anticipated when estimate was created.
Equipment Storage	\$2,500.00	\$2,500.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$10,000.00	\$10,000.00	N/A	\$6,456.49	quote and letter attached to most recent submission
Disposal Costs (for equipment and other waste, net of any salvage value)	\$4,500.00	\$4,500.00	N/A	\$1,250.00	N/A
BLM or NFS Coordination	\$250.00	\$250.00	Cost recovery fee for change of use filing on existing lease.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$0.00	We do not pay filing fees	N/A	N/A

DTV Medical	\$11,550.00	\$5,000.00	N/A	\$2,604.80	N/A
Facility Notification					
MVPD	\$1,714.40	\$1,714.40	Due to	\$1,714.40	The invoic
Notification of			state		is greater
Channel			purchasing		than our
Change			rules we		initial
			were		estimate.
			unable to		Due to
			get an		state
			estimate		statute we
			outside of		were
			the		unable to
			purchasing		obtain
			process.		estimates
			We were		from a
			only able to		vendor
			obtain a		without
			quote		going thru
			during the		the entire
			purchasing		purchasing
			process.		process.
			This came		Which we
			in higher		were
			than our		unable to
			original		do at the
			estimate.		time.
Sub-total	\$32,209.40	\$25,464.40	N/A	\$13,558.19	N/A
Total for all systems	\$1,064,728.40	\$529,552.40	N/A	\$311,141.14	N/A

## Components

Actual Information	
Description	File Name

announcement of upcoming channel change	Component Description:	Attachment includes cover
		letter that was requested by the
		reviewer.
		Upcoming Channel Change
		Announcement.
		Only \$332.50 of the total charges are
		related to the upcoming channel
		change
		announcement.
		Other charges are
		programming
		related.
	Amount:	\$332.50
	Component Description:	Rescan Ads for
		KCDT Coeur d
		Alene transmitter
	Amount:	\$1,200.00
	Component Description:	Ads for Rescan.
	- surpenent 2000 ipneni	CdA Press does
		not use an invoice
		# I used our Billed
		Account Number
		for the Invoice # -
		6538
	Amount:	\$1,200.00
Equipment Storage	Information not provided.	

Equipment Delivery and		
Handling Charges	Component Description:	Ground Freight to
		Moscow Idaho
	Amount:	\$2,200.00
	Component Description:	Freight
	Amount:	\$84.80
	Component Description:	Shipping
	Amount:	\$733.00
	Component Description:	Freight Costs
	Amount:	\$3,418.00
	Component Description:	Shipping Charges
	Amount:	\$733.00
	Component Description:	Freight
	Amount:	\$20.69
Disposal Costs (for equipment and other		
waste, net of any salvage	Component Description:	Removal of
value)		Antenna. The invoice is for
		\$3,050. \$1800 is
		for another service
		NOT related to the
	-	FCC project
	Amount:	\$1,250.00
BLM or NFS Coordination	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	

DTV Medical Facility Notification	Component Description: Amount:	This is for the Notification of Medical Facilities - Transmitter Medical Facility Notification \$2,604.80
MVPD Notification of Channel Change	Component Description:	MVPD Notification Services: Notification of Cable and Satellite MVPD Providers of new RF Channel and Transport Stream Parameters on Repack Channel \$1,714.40

Cost	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$1,064,728.40	\$529,552.40	\$311,141.14

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	Yes
	Construction of final facilities or all necessary modifications are complete.	Νο
	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.	
		<ol> <li>The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>The above-named</li> </ol>	
		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).
- 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.	Dawn Rose Senior Financial Specialist 12/26/2019

## Attachments