



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **66781** | Service: **DTV** | Call **KIRO-TV** | Channel: **23 (UHF)** |
ID: | Sign:
File **0000028117**
Number:
FRN: **0014361620** | Date **02/07**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone
KIRO-TV, INC. Doing Business As: KIRO-TV, INC.	Chief Engineer 2807 THIRD AVENUE SEATTLE, WA 98121 United States	+1 (206) 728-7777

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone
[Confidential]		

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone
Keith Nealey <i>Director Of Engineering KIRO TV INC</i> <i>KIRO-TV, Inc.</i>	Keith Nealey 2807 Third Avenue Seattle, WA 98121 United States	+1 (206) 728-7777

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	Phase 1: Raise Au to help match exist Phase 2: Install ne install new Main&A
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Transmitters

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

**Auxiliary
Transmitter**

Add Transmitter Information

Section	Question
Existing Transmitter Description	Type of change
	Use
	Description of Use
	Ownership
	Owner
	Site
	Is this transmitter currently shared with another station?
	Is this transmitter currently in operating condition?
Existing Transmitter Manufacturer and Type	Manufacturer
	Model
	Year
	Type
	Solid State Cooling
	Solid State Power Capacity

**Auxiliary
Transmitter**

New Transmitter Costs

Section	Question
New Transmitter	Use
	Change Type
	Is this a request for upgraded equipment?
	Manufacturer
	Model
	Transmitter Type
	Solid State Cooling
	Solid State Power capacity
	Justification for New Transmitter

**Auxiliary
Transmitter**

Other Transmitter Costs

Section	Question
Electrical Service	Service Entrance (3 phases 800A 208V)
	Switchgear (industrial 800 amp)
	Transformer (480V)
	Power
	Rigid Conduit and Wiring
	Size
	Length
	Other Electrical Service

	Description
HVAC Service	Does the replacement transmitter require HVAC Service?
	Type
	Size
	Other Size
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification or leasehold improvement?
	Size
Channel 14 Costs	Is an RF Consulting Engineer needed?
	Is a channel 14 Mask Filer needed?
	Is additional field engineering time needed?
	Number of Days

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

**Primary
Transmitter**

Existing Transmitter Information

Section	Question
Existing Transmitter Description	Type of change
	Use
	Description of Use
	Ownership
	Owner
	Site
	Is this transmitter currently shared with another station?
	Is this transmitter currently in operating condition?
Existing Transmitter Manufacturer and Type	Manufacturer
	Model
	Year
	Type
	IOT Power Type
	Power Capacity

**Primary
Transmitter**

New Transmitter Costs

Section	Question
New Transmitter	Use
	Change Type
	Is this a request for upgraded equipment?
	Manufacturer
	Model
	Transmitter Type
	Solid State Cooling
	Solid State Power capacity
	Justification for New Transmitter

**Primary
Transmitter**

Other Transmitter Costs

Section	Question
Electrical Service	Service Entrance (3 phases 800A 208V)
	Switchgear (industrial 800 amp)
	Transformer (480V)
	Power
	Rigid Conduit and Wiring
	Size
	Length
	Other Electrical Service

	Description
HVAC Service	Does the replacement transmitter require HVAC Service?
	Type
	Size
	Other Size
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification or leasehold improvement?
	Size
Channel 14 Costs	Is an RF Consulting Engineer needed?
	Is a channel 14 Mask Filer needed?
	Is additional field engineering time needed?
	Number of Days

Primary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Antennas

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

Auxiliary Antenna

Add Antenna Information

Section	Question
Existing Antenna Description	Type of change
	Antenna Use
	Description of Use
	Ownership
	Owner
	Site
	Is this antenna currently shared with any other stations?
	Is this antenna directional?
	Is antenna in operating condition?
	Is antenna located on or in close proximity to an antenna fa
Existing Antenna Manufacturer and Type	Class
	Mounting
	Antenna position in stack
	Polarization
	Type
	Number of Stations Supported
	Number of Panels
	Design power capacity in use
	Lower Limit
	Upper Limit
	Other Antenna Type
	ERP: (Effective Radiated Power)
	Manufacturer
	Model
Year	

Auxiliary Antenna

New Antenna Costs

Section	Question
<p>New Antenna Description</p>	Use
	Description of Use
	Change Type
	Is this a request for upgraded equipment?
	Ownership
	Owner
	Is antenna shared?
	Is antenna directional?
	Will antenna be located on or in close proximity to an antenna
<p>New Antenna Manufacturer and Types</p>	Class
	Mounting
	Antenna position in stack
	Polarization
	Type
	Number of Stations Supported
	Number of Panels/Bays
	Lower Limit
	Upper Limit
	Design power capacity in use
	Other Antenna Type
	ERP: (Effective Radiated Power)
	Manufacturer
	Model
Year	

Justification for New Antenna

Auxiliary Antenna

Other Antenna Costs

Section	Question
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?
	Type
	Number of channels supported
	Frequencies of channels supported
	Frequency
	Do you need a combiner output splitter/switcher for dual feeds?
Elbow Complex	Do you require the separate purchase of the Elbow Complex?
	Broadband or Single Channel?
	Feed Line Size
Side Mount Brackets	Do you require the separate purchase of side mount brackets for high power antenna?
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for side mount high or medium power antenna?
Sweep Test	Do you require the sweep testing of transmission line and antenna?

Auxiliary Antenna

Other Antenna Cost Not Listed

Name	Description
Freight Charges	Freight Charges for Antenna
Antenna Support Brackets	Custom Support Brackets
Dielectric Custom Flanges	Custom Flanges to Connect to Transmission line

Primary Antenna

Existing Antenna Information

Section	Question
<p>Existing Antenna Description</p>	Type of change
	Antenna Use
	Description of Use
	Ownership
	Owner
	Site
	Is the existing antenna shared with another station or station group?
	Is the existing antenna directional?
	Is antenna in operating condition?
	Is antenna located on or in close proximity to an antenna farm?
<p>Existing Antenna Manufacturer and Type</p>	Class
	Mounting
	Antenna position in stack
	Polarization
	Type
	Number of Stations Supported
	Number of Panels
	Design power capacity in use
	Lower Limit
	Upper Limit
	Other Antenna Type
	ERP: (Effective Radiated Power)
	Manufacturer
	Model
Year	

Primary Antenna

New Antenna Costs

Section	Question
New Antenna Description	Use
	Description of Use
	Change Type
	Is this a request for upgraded equipment?
	Ownership
	Owner
	Is antenna shared?
	Is antenna directional?
	Will antenna be located on or in close proximity to an antenna
New Antenna Manufacturer and Types	Class
	Mounting
	Antenna position in stack
	Polarization
	Type
	Number of Stations Supported
	Number of Panels/Bays
	Lower Limit
	Upper Limit
	Design power capacity in use
	Other Antenna Type
	ERP: (Effective Radiated Power)
	Manufacturer
	Model
Year	

Justification for New Antenna

Primary Antenna

Other Antenna Costs

Section	Question
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?
	Type
	Number of channels supported
	Frequencies of channels supported
	Frequency
	Do you need a combiner output splitter/switcher for dual feeds?
Elbow Complex	Do you require the separate purchase of the Elbow Complex?
	Broadband or Single Channel?
	Feed Line Size
Side Mount Brackets	Do you require the separate purchase of side mount brackets for high power antenna?
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for side mount high or medium power antenna?
Sweep Test	Do you require the sweep testing of transmission line and antenna?

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Dielectric Custom Flanges	Custom flanges for main antenna
Main antenna Support Brackets	Custom support brackets for installation.
Main Antenna Freight	Primary antenna Freight

Transmission Line	Section	Question
	Transmission Line Related Expenses	

Primary Transmission Line Existing Transmission Line

Section	Question
Existing Transmission Line Description	Type of change
	Use
	Description of Use
	Ownership
	Owner
	Site
	Is the existing transmission line shared with another station stations?
	Is Transmission Line in operating condition?
Existing Transmission Line Manufacturer and Type	Manufacturer
	Type
	Diameter
	Other Diameter
	Segment Length
	Other Segment Length
	Number of parallel runs
	Length

Primary Transmission Line Other Transmission Line Expenses Not Listed

Information not provided.

**Auxiliary
Transmission Line**

Add Transmission Line

Section	Question
Existing Transmission Line Description	Type of change
	Use
	Description of Use
	Ownership
	Owner
	Site
	Is this transmission currently shared with any other stations
	Is Transmission Line in operating condition?
Existing Transmission Line Manufacturer and Type	Manufacturer
	Type
	Diameter
	Other Diameter
	Segment Length
	Other Segment Length
	Number of parallel runs
	Length

**Auxiliary
Transmission Line**

Other Transmission Line Expenses Not Listed

Name	Description
AUX Transmission Extension	9 Transmission line better coverage pri

**Tower Equipment
And Rigging Costs**

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

Primary Tower

Existing Tower

Section	Question
Existing Tower Description	Type of change
	Tower Use
	Description of Use
	Ownership
	Is this tower consider Complex?
	Is this tower currently shared with any other stations?
	One or more FM, AM or TV radio broadcaster(s)
	Others Types of Users
	Is tower documented for structural analysis?
	Is tower compliant with Rev G?
Existing Tower Structure Registration	Do you have a tower registration number?
	ASR Number
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)
	Longitude (NAD83)
	Overall Structure Height
	Support Structure Height
	Ground Elevation Above Mean Sea Level (AMSL)
	Structure Type
	Tower Owner
	Date Constructed

Primary Tower

Tower Modification Costs

Section	Question
Engineering Study	Please what type of engineering study is required, if any:
Tower Reinforcements	Please select whether tower reinforcements are needed:

Primary Tower

Tower Rigging Costs

Section	Question
Tower Rigging Costs	Complex Tower
Helicopter Services Required	Are helicopter services required?

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional
Services Costs**

Section	Question
Outside Project Management Services	Do you require outside project management services?
	Number of Hours
	Explanation
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and development
	Prepare engineering section of Form FCC Construction Permit Application
	For Auxiliary Facility
	For Main Facility
	Prepare engineering section of Form FCC License to Cover Application
	For Auxiliary Facility
	For Main Facility
	Prepare request for Special Temporary Authority
	Quantity
	Do you have Distributed Transmission System engineering
	Critical Facility
	Terrain-Shielded Facility
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application
	For Auxiliary Facility
	For Main Facility
	Prepare and file Form FCC License to Cover Application
	For Auxiliary Facility
	For Main Facility
	Prepare request for Special Temporary Authority
	Quantity
	NEPA Section 106 environmental review

	Environmental Assessment
	ASR Modification
	FAA Consultation (including preparation of FAA Form 7460
	Negotiation of Lease and other Matter for Shared Locations
	Prepare or Review FCC Form 399 for Reimbursement
	Address transition timing and coordination issues w/ other s and wireless providers
RF Field Engineering Services	Comprehensive coverage verification via field study
	RF exposure measurements
	Additional Field Engineering Service
	Number of Days
	Justification

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
DTV Medical Notifications	Hire external service repack

Other Expenses

Section	Question
AM Pattern Disturbance	Is an Impact Study needed?
	Is Remediation needed?
Facility Expenses	Name
	Other Distributed Transmission System Expenses Not listed
	Name
	Is Notification of a Medical Facility required as a result of D broadcasting?
Permit and Filing Costs	Local Zoning
	Non-zoning permits
	BLM or NFS Coordination
	FCC Construction Permit Minor Change
	FCC License to Cover Application
	FCC Special Temporary Authority Application
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?
	Does this relocation require Equipment Storage?
	Does this relocation require the Development and Airing of Announcement regarding an upcoming channel change?
	Does this relocation require MVPD Notification of a Channel Change?

Other Expenses

Other Expenses Not Listed

Name	Description
Merrill Weiss Group	Perform RF studies applications.

Cost Information

Transmitters

Where no predetermined cost estimate is available, any estimate provided will also be in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification
Primary Transmitter ULXTE-50	\$1,222,042.09	\$1,220,792.09	
Other Electrical Service: Electrician will remove existing electrical and install new transformer, conduits, and heat exchanger feeds for primary transmitter. See quote from Schneider for cost breakdowns.	<i>\$61,501.86</i>	\$61,501.86	Labor to remove existing electrical feed: includes 150KVA 480V to 208/120V transformer. Proposal Queue
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	<i>\$1,134,990.23</i>	\$1,134,990.23	10/15/18: Added Gates Air Change C transmitter Cost \$8827.93-See Gates A
Auxiliary Transmitter ULXTE-24	\$751,388.00	\$697,457.46	
Other	<i>\$41,838.00</i>	\$41,838.00	Labor to remove existing electrical

Electrical Service: Electrician will remove existing service connections and dispose. New transformer conduits and heat exchanger feeds will be installed for new Aux. See Schneider proposal Queen Anne for cost details.

transformer and heat exchanger feeds: transformer and wiring/conduit. See

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$631,319.46	10/15/18: Added Change Order Q-775 "KIRO_AUX_COVER_LETTER_GATES pdf" for details. Estimated Cost ab emerg
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	
Sub-total	\$1,973,430.09	\$1,918,249.55	
Total for all systems	\$3,928,981.34	\$3,700,698.30	

Components

Actual Information Description	File Name
Other Electrical Service: Electrician will remove existing electrical and install new transformer, conduits, and heat exchanger feeds for primary transmitter. See quote from Schneider for cost breakdowns.	<p>Component Description: KIR 15C</p> <p>Amount: \$61</p>

Transformer 3 phase/480v - 150 KVA

Component Description: 1/3
Amount: \$2,

Component Description: Sec
Tra
Amount: \$2,

UHF - Liquid Cooled Solid State Transmitter
31.7 kW

Component Description: KIR
ord
Amount: \$88

Component Description: KIR
ord
Amount: \$29

Component Description: Sec
Amount: \$34

Component Description: 1/3
Amount: \$33

Other Electrical Service: Electrician will remove existing service connections and dispose. New transformer conduits and heat exchanger feeds will be installed for new Aux. See Schneider proposal Queen Anne for cost details.

Information not provided.

UHF - Liquid Cooled Solid State Transmitter
14.2 - 20 kW

Component Description: Fin:
"KII
Q7
cha
Amount: \$16

	Component Description: Firs Ch2 Amount: \$18
	Component Description: Sec Amount: \$18
	Component Description: 1/3 Amount: \$18
Transformer 3 phase/480v - 150 KVA	Component Description: Sec Amount: \$1,
	Component Description: 1/3 Amount: \$1,

Cost Information

Antennas

Where no predetermined cost estimate is available, any estimate provided will also be in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimate Justification
Primary Antenna TFU-26JSC/R C164	\$207,392.00	\$205,059.50	
Main Antenna Freight	<i>\$17,500.00</i>	\$17,500.00	See MAIN for quote detail:
Main antenna Support Brackets	<i>\$21,750.00</i>	\$21,750.00	See MAIN for brackets
Dielectric Custom Flanges	<i>\$3,837.00</i>	\$3,837.00	Custom and transition lines connection to network. See Main quote for verification
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,297.50	See MAIN for estimate
Sweep test of existing antenna	\$6,730.00	\$6,400.00	
UHF - Lower Power, Side Mount, Class A, basic slot antenna, 715 kW input, directional,, horizontally polarized	<i>\$145,275.00</i>	\$145,275.00	New antenna replacement DIElectric Mounting 26J SIGN

Auxiliary Antenna TFU-26JSC/R C164	\$205,396.25	\$204,736.25	
Dielectric Custom Flanges	<i>\$1,841.25</i>	\$1,841.25	Cust to c new an cur transi
Antenna Support Brackets	<i>\$21,750.00</i>	\$21,750.00	Cust supp for A see au quote
Freight Charges	<i>\$17,500.00</i>	\$17,500.00	Freig for a see Au quot
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,970.00	See AUX co
Sweep test of existing antenna	\$6,730.00	\$6,400.00	
UHF - Lower Power, Side Mount, Class A, basic slot antenna, 715 kW input, directional,, horizontally polarized	<i>\$145,275.00</i>	\$145,275.00	See Au quot
Sub-total	\$412,788.25	\$409,795.75	
Total for all systems	\$3,928,981.34	\$3,700,698.30	

Components

Actual Information	
Description	File Name
Main Antenna Freight	<p>Component Description: Dielectric 45% Main An</p> <p>Amount: \$7,605.00</p>

	<p>Component Description: Dielectric 45% Main An</p> <p>Amount: \$7,605.00</p>
	<p>Component Description: 45 percent charge for M</p> <p>Amount: \$7,605.00</p>
Main antenna Support Brackets	<p>Component Description: 45 percent 'prior to ship brackets</p> <p>Amount: \$9,787.50</p> <p>Component Description: 45 percent down paym</p> <p>Amount: \$9,787.50</p> <p>Component Description: 45 percent down paym</p> <p>Amount: \$9,787.50</p>
Dielectric Custom Flanges	<p>Component Description: 45 percent 'prior to ship number (5) RTLSCR67 MAN01166 for details</p> <p>Amount: \$1,726.65</p> <p>Component Description: 45 percent payment for RTLSCR675-20 & Line for details</p> <p>Amount: \$1,726.65</p> <p>Component Description: 45 percent payment for RTLSCR675-20 & Line for details</p> <p>Amount: \$1,726.65</p>
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<p>Component Description: 45 percent 'prior to ship complex</p> <p>Amount: \$4,634.10</p>

	<p>Component Description: 45 percent down payment</p> <p>Amount: \$4,634.10</p>
	<p>Component Description: 45 percent down payment</p> <p>Amount: \$4,634.10</p>
Sweep test of existing antenna	<p>Component Description: 45 percent 'prior to ship</p> <p>Amount: \$2,880.00</p> <p>Component Description: 45 percent payment for</p> <p>Amount: \$2,880.00</p> <p>Component Description: 45 percent payment for</p> <p>Amount: \$2,880.00</p>
UHF - Lower Power, Side Mount, Class A, basic slot antenna, 715 kW input, directional,, horizontally polarized	<p>Component Description: 45% prior to ship payment information in 'DIELECTRIC_COVER pdf' to explain difference</p> <p>Amount: \$65,373.75</p> <p>Component Description: 45% payment for KIRO Vpol reimbursement at cover letter.</p> <p>Amount: \$65,373.75</p>
Dielectric Custom Flanges	<p>Component Description: 45% Dielectric Aux Ant (RTT675)</p> <p>Amount: \$1,726.65</p> <p>Component Description: 45% payment for KIRO Line item (6) RTT675-S</p> <p>Amount: \$1,726.65</p>

Antenna Support Brackets	<p>Component Description: 45% Dielectric Aux Ant Amount: \$9,787.50</p> <p>Component Description: 45% payment for KIRO Amount: \$9,787.50</p>
Freight Charges	<p>Component Description: 45% Dielectric Aux Ant Amount: \$7,605.00</p> <p>Component Description: 45% Payment for KIRC Amount: \$7,605.00</p>
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<p>Component Description: 45% payment for KIRO Amount: \$4,634.10</p> <p>Component Description: 45% Dielectric Aux Ant Amount: \$4,634.10</p>
Sweep test of existing antenna	<p>Component Description: 45% Dielectric Aux Ant Amount: \$2,880.00</p> <p>Component Description: 45% payment for KIRO Amount: \$2,880.00</p>
UHF - Lower Power, Side Mount, Class A, basic slot antenna, 715 kW input, directional,, horizontally polarized	<p>Component Description: 45% payment for KIRO Amount: \$65,373.75</p> <p>Amount: Change Order and Invc</p>

Cost Information

Transmission Line

Where no predetermined cost estimate is available, any estimate provided will also be in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Justification
Primary Transmission Line	\$0.00	\$0.00	
Auxiliary Transmission Line	\$20,973.00	\$20,973.00	
AUX Transmission Extension	<i>\$20,973.00</i>	\$20,973.00	Transmission lines auxiliary to transmission. Diesel Transmission quote.
Sub-total	\$20,973.00	\$20,973.00	
Total for all systems	\$3,928,981.34	\$3,700,698.30	

Components

Information not provided.

Cost Information

Tower Equipment and Rigging Costs

Where no predetermined cost estimate is available, any estimate provided will also be in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimate Justification
Primary Tower GTOWER	\$1,275,100.00	\$1,120,480.00	
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	Rigging equipment removal. Material and transportation lines. Repack and tie
Serious tower reinforcement /modifications	\$1,052,000.00	\$900,000.00	
Structural engineering tower load study for well documented tower	\$12,600.00	\$20,480.00	TEC load study
Sub-total	\$1,275,100.00	\$1,120,480.00	
Total for all systems	\$3,928,981.34	\$3,700,698.30	

Components

Information not provided.

Cost Information

Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also be in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimate Justification
Outside Professional Services	\$161,930.00	\$154,250.00	
DTV Medical Notifications	<i>\$7,500.00</i>	\$7,500.00	Hiring contractor per M notific F
RF Exposure Measurements	\$21,050.00	\$20,000.00	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00
Sub-total	\$161,930.00	\$154,250.00
Total for all systems	\$3,928,981.34	\$3,700,698.30

Components

Actual Information Description	File Name
DTV Medical Notifications	Information not provided.
RF Exposure Measurements	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	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
NEPA Section 106 environmental review, if needed	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<p>Component Description:</p> <p>Amount:</p>

<p>Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application</p>	<p>Component Description:</p> <p>Amount:</p>
<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description:</p> <p>Amount:</p>
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application</p>	<p>Information not provided.</p>
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Component Description:</p> <p>Amount:</p>
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application</p>	<p>Information not provided.</p>
<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Information not provided.</p>
<p>Prepare and or review reimbursement form</p>	<p>Information not provided.</p>
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Information not provided.</p>

Cost Information

Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also be in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimate Justification
Other Expenses	\$84,760.00	\$76,950.00	
Merrill Weiss Group	<i>\$32,825.00</i>	\$32,825.00	RF s post r Me grou s
MVPD Notification of Channel Change	<i>\$1,250.00</i>	\$1,250.00	noti S No MVF LS-2 pdf
DTV Medical Facility Notification	\$11,550.00	\$3,750.00	See No M Noti Q 2019
Equipment Delivery and Handling Charges	<i>\$32,300.00</i>	\$32,300.00	
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$6,500.00</i>	\$6,500.00	Costs of hi cabin tran transi ar ec relate
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	
Sub-total	\$84,760.00	\$76,950.00	
Total for all systems	\$3,928,981.34	\$3,700,698.30	

Components

Actual Information Description	File Name
Merrill Weiss Group	<p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p>
MVPD Notification of Channel Change	<p>Component Description:</p> <p>Amount:</p>
DTV Medical Facility Notification	<p>Component Description:</p> <p>Amount:</p>
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.

Cost Information**Grand Total**

	Predetermined Cost Estimate	Estimated C
Total for all systems	\$3,928,981.34	\$3,700,698.

**Reimbursement
Status**

Question	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

Certification

Section	Question
Submission of Estimated Expenses Statements	<p data-bbox="820 230 1498 533">WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. C TITLE 18, SECTION 1001), AND/OR REVOCATION OF ALL STATION LICENSE OR CONSTRUCTION PERMIT (U.S. C TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENT COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p> <hr/> <ol data-bbox="863 600 1334 2107" style="list-style-type: none"><li data-bbox="863 600 1334 808">1. The Authorized Person signing below certifies that he/she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.<li data-bbox="863 835 1334 972">2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.<li data-bbox="863 999 1334 1171">3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.<li data-bbox="863 1198 1334 1480">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).<li data-bbox="863 1507 1334 1749">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.<li data-bbox="863 1776 1334 1948">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.<li data-bbox="863 1975 1334 2107">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 Author specified above.

Certification

Section	Question
Submission of Actual Cost Documentation Statements	<p data-bbox="820 230 1503 616">WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001) /OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION (a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENT COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p> <ol data-bbox="863 678 1342 2063" style="list-style-type: none"><li data-bbox="863 678 1342 887">1. The Authorized Person signing below certifies and represents that he/she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.<li data-bbox="863 913 1342 1048">2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.<li data-bbox="863 1075 1342 1209">3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.<li data-bbox="863 1236 1342 1415">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.<li data-bbox="863 1442 1342 1935">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) .<li data-bbox="863 1962 1342 2063">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 Author specified above.

Attachments