

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	I	Service: LPT	Call Sign:	K18NH-D	Channel: 18 (UHF)
File Number:	000008	7766			
FRN: 00 *	14361620	Eligibility Status:	Eligible	Date Submitted:	03/04 /2021

Applicant Name, Type, and Contact Information

Applicant Information

Applicant	Address	Phone	Email	Applicant Type
KIRO-TV, INC. Doing Business As: KIRO-TV, INC.	Chief Engineer 2807 THIRD AVENUE SEATTLE, WA 98121 United States	+1 (206) 728-7777	knealey@kiro7. com	Corporation

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information				
Contact Information	Applicant	Address	Phone	Email	
	Keith Nealey Engineering Manager KIRO-TV, Inc	Chief Engineer 2807 THIRD AVENUE SEATTLE, WA 98121 United States	+1 (206) 728- 7777	knealey@kiro7. com	

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.	Νο
	Briefly describe transition plan	New 220v power circuits will be installed with existing 110v circuits. We will install new transmitter and antenna alongside existing equipment. Once testing is completed we will move existing feed line onto new transmitter and antenna.

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)		
		Ownership	Owned		
		Is this transmitter currently shared with another station?	No		
		Is this transmitter currently in operating condition?	Yes		
	Existing Transmitter	Manufacturer			
	Manufacturer and Type	Model	MX100U		
		Year	2005		
		Туре	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power Capacity	100 W		

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-2P- C 400w		
		Transmitter Type	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power capacity	400 W		
		Justification for New Transmitter	The current LPTV Translator is outside the spectrum that will be allocated to broadcast television following the spectrum repack.		

Primary Other Transmitter Costs

Transmitter	Section	Question	Response
	Other Transmitter Costs	Does the transmitter installation require a Transmitter Building Site Survey /Installation?	No
	Electrical Service	Service Entrance (3 phases 800A 208V)	No
		Switchgear (industrial 800 amp)	No

Transformer (400)()	
Transformer (480V)	No
Rigid Conduit and Wiring	No
Other Electrical Service	Yes
Description	Add 220V breakers and outlets to existing service panel
Does the replacement transmitter require HVAC Service?	No
Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Other Electrical Service Description Does the replacement transmitter require HVAC Service? Does the Transmitter Building require an addition, modification, other leashold

Other Transmitter Cost Not Listed

Other Transmitter CoPrimaryTransmitterInformation not provided.

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)		
		Ownership	Owned		
		Is the existing antenna shared with another station or stations?	No		
		Is the existing antenna directional?	Yes		
		Is antenna in operating condition?	Yes		
		Is antenna located on or in close proximity to an antenna farm?	No		
	Existing Antenna	Mounting	Side Mount		
	Manufacturer and Type	Antenna position in stack	Тор		
		Polarization	Horizontal		
		Туре	Broadband Panel		
		Number of Stations Supported	1		
		Number of Panels	2		
		Design power capacity in use	100.0 %		
		Lower Limit	680.00 MHz		
		Upper Limit	686.00 MHz		
		ERP: (Effective Radiated Power)	2.2 kW		
		Manufacturer			
		Model	4DR-16-S		
		Year	2009		

Primary	New Antenna Costs				
Antenna	Section	Question	Response		
	New Antenna Description	Use	Primary (Main)		
		Change Type	Purchase New		
		Ownership	Owned		
		Is antenna shared?	No		
		Is antenna directional?	Yes		
		Will antenna be located on or in close proximity to an antenna farm?	No		
	New Antenna Manufacturer and Types	Mounting	Side Mount		
		Antenna position in stack	Тор		
		Polarization	Horizontal		
		Туре	Broadband Panel		
		Number of Stations Supported	1		
		Number of Panels/Bays	4		
		Lower Limit	470.00 MHz		
		Upper Limit	500.00 MHz		
		Design power capacity in use	100.0 %		
		ERP: (Effective Radiated Power)	4.4 kW		
		Manufacturer			
		Model	4DR-4S		
		Year	2018		

Justification for New Antenna	Current
	channel 49
	antenna is
	outside th
	assigned
	broadcast
	frequencie
	post repa
	and canno
	be retuned

Primary	Other Antenna Costs				
Antenna	Section	Question	Response		
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No		
	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		
	Power Dividers	Does the panel antenna require power dividers?	Yes		
		Number of Power Dividers	1		
	Cable Harness	Does the panel antenna require cable harness?	No		

Other Antenna Cost Not Listed Primary

Other Antenna Costs

Antenna	Name	Description	
	Scala Connectors	Antenna-specific connectors	

Transmission	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	No

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

Outside	Section	Question	Response
Professional	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	100
		Explanation	K18NH-D does not have sufficient resource capacity and expertise in house to handle all of the reimbursement filing, vendor coordination, progress reporting, budget creation, budget review, budget tracking, and all other activities necessary
	Outside RF consulting Engineering Services	Perform engineering study for displacement application	Yes
		Prepare engineering section of Form FCC Construction Permit Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	No
		Prepare Form 601	No

Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Form 399 assistance or other program management costs	No
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No

Other Professional Services Expenses Not Listed Professional Services roopstsided.

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Permit and Filing Costs	FCC Construction Permit Major Change	No
	-	FCC Construction Permit Minor Change	No
		FCC License to Cover Application	No
		FCC Special Temporary Authority Application	No
	Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
		Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
		Does this relocation require Equipment Storage?	No
	Point to Point Microwave (STL/ICR)	Frequency Coordination for Unidirection System	No
		Frequency Coordination for Bi-Direction System	No
		New Point to Point Microwave System	No

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-2P- C 400w	\$28,501.33	\$28,401.33		\$401.33	
Other Electrical Service: Add 220V breakers and outlets to existing service panel	\$401.33	\$401.33	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$401.33	N/A
UHF - Air Cooled Solid State Transmitter 320 - 700 Watts	\$28,100.00	\$28,000.00	N/A	\$0.00	N/A
Sub-total	\$28,501.33	\$28,401.33	N/A	\$401.33	N/A
Total for all systems	\$185,842.90	\$65,202.10	N/A	\$30,615.51	N/A

Actual Information Description	File Name	
Other Electrical Service: Add 220V breakers and outlets to existing service panel	Component Description:	Installation of 250v panel, breakers and
	Amount:	outlets \$401.33

UHF - Air Cooled Solid S Transmitter 320 - 700 W		Cost of transmitter, mask, connection kit, plus freight and
		tax
	Amount:	\$26,310.29

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 4DR-4S	\$9,136.57	\$5,532.89		\$5,532.89	
UHF Broadband panel antenna (per panel), horizontally- polarized	\$7,000.00	\$3,948.63	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time	\$3,948.63	Freight and tax added
Scala Connectors	\$836.57	\$836.57	Please see Estimated Cost Justification K18NH-D-210- Primary Antenna - Scala Connectors v0	\$836.57	N/A
Power Dividers (each, for panel antenna system, if not included in antenna cost)	\$1,300.00	\$747.69	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time	\$747.69	N/A
Sub-total	\$9,136.57	\$5,532.89	N/A	\$5,532.89	N/A
Total for all systems	\$185,842.90	\$65,202.10	N/A	\$30,615.51	N/A

Actual Information Description	File Name	
UHF Broadband panel antenna (per panel), horizontally-polarized	Component Description: Amount:	Scala Antennas plus freight \$3,948.63
Scala Connectors		
	Component Description:	Antenna: Scala
		Connectors
	Amount:	\$836.57
Power Dividers (each, for		
panel antenna system, if not	Component Description:	Scala antenna-
included in antenna cost)		power dividers
	Amount:	\$747.69

Cost Transmission Line

Information Information not provided.

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 POLE	\$56,190.00	\$3,500.00		\$3,249.97	
Tower Rigging Short Tower (less than 500')	\$56,190.00	\$3,500.00	N/A	\$3,249.97	N/A
Sub-total	\$56,190.00	\$3,500.00	N/A	\$3,249.97	N/A
Total for all systems	\$185,842.90	\$65,202.10	N/A	\$30,615.51	N/A

Actual Information Description	File Name	
Tower Rigging Short Tower (less than 500')	Component Description:	Crane, plus removal of old antenna and installation of new
	Amount:	antenna \$3,249.97

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	\$92,015.00	\$27,767.88		\$21,431.32	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$2,102.50	\$1,200.00	N/A	\$0.00	N/A
Prepare/ Review 399 reimbursement form	\$1,710.00	\$284.50	Please see COMB K18NH- D Prepare /Review 399 Cooley LLP Invoice Budget Revision Justification Letter	\$284.50	N/A
Project management of the transition	\$10,550.00	\$12,483.25	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$12,483.25	N/A
RF Exposure Measurements	\$12,100.00	\$500.00	N/A	\$75.00	N/A
Comprehensive coverage verification via field study, if needed	\$52,600.00	\$4,000.00	N/A	\$0.00	N/A

Perform engineering study for displacement application	\$1,800.00	\$6,610.13	Please see Estimated Cost Justification K18NH-D-530- RF Eng - Engineering Study for Displacement Application V0	\$6,610.13	N/#
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$2,235.00	\$327.60	Please see COMB K18NH- D Attorney STA Cooley LLP Invoice Budget Revision Justification Letter	\$327.60	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$3,262.50	\$47.10	Please see COMB K18NH- D Attorney Negotiate Lease and Other Matters Budget Revision Cooley LLP Invoice Justification Letter	\$47.10	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$1,577.50	\$615.30	N/A	\$527.40	N/ <i>F</i>
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$3,025.00	\$1,200.00	N/A	\$1,076.34	N/#

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,052.50	\$500.00	N/A	\$0.00	N/A
Sub-total	\$92,015.00	\$27,767.88	N/A	\$21,431.32	N/A
Total for all systems	\$185,842.90	\$65,202.10	N/A	\$30,615.51	N/A

Actual Information Description	File Name	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Engineering for CP application - Puyallup Translator portion \$942.86
Prepare/ Review 399 reimbursement form	Component Description: Amount: Component Description: Amount:	(KIRO-TV) Post- Auction Channel Repack \$255.20 Prep 399 \$29.30
Project management of the transition	Component Description: Amount: Component Description: Amount:	Project Management \$4,395.00 Project Management \$8,088.25

RF Exposure Measurements	Component Description: Amount:	Exposure Measurements \$75.00
	Component Description: Amount:	Engineering for RF Exposure - Puyallup Translator portion \$75.00
Comprehensive coverage		
verification via field study, if needed	Component Description:	Engineering for coverage - Puyallup
	Amount:	Translator portion \$3,787.15
Perform engineering study for displacement application	Component Description: Amount:	Displacement App. \$6,610.13
	Component Description:	Engineering study for displacement -
	Amount:	Puyallup Translator portion \$1,655.38
Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description: Amount:	STA \$29.30
	Component Description: Amount:	STA \$62.80
	Component Description: Amount:	STA \$235.50

Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description: Amount:	Other Matters \$47.10
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	License to Cover \$87.90
	Component Description: Amount:	License to Cover \$439.50
	Component Description:	Legal LTC application - Puyallup Translator portion
	Amount:	\$332.07
	Component Description: Amount:	License to Cover \$87.90

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	C.P.A \$251.20
	Component Description: Amount:	C.P.A \$194.26
	Component Description: Amount:	C.P.A \$298.30
	Component Description: Amount:	C.P.A \$78.50
	Component Description: Amount:	C.P.A \$242.36
	Component Description: Amount:	C.P.A \$5.86
	Component Description:	Legal for CP application - Puyallup
	Amount:	Translator portion \$1,062.15
	Component Description: Amount:	C.P.A \$5.86
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description:	Engineering for LTC application - Puyallup
	Amount:	Translator portion \$225.00

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	\$0.00	\$0.00		\$0.00	
Sub-total	\$0.00	\$0.00	N/A	\$0.00	N/A
Total for all systems	\$185,842.90	\$65,202.10	N/A	\$30,615.51	N/A

Components

Information not provided.

Cost	Grand Total			
Information		Predetermined Cost Estimate	Estimated Cost	Cost Actual Cost
	Total for all systems	\$185,842.90	\$65,202.10	\$30,615.51

Reimbursem	envestiatus	Response
	The facility has ceased operating on its pre- auction channel.	Yes
	Construction of final facilities or all necessary modifications are complete.	Yes
	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.	
		 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. 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).
- 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.	Keith Nealey Director of Engineering 03/04/2021

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).	
		 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).
- 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.	Keith Nealey Director of Engineering
	03/04/2021

Certification	Section	Question	Response
	Submission of Final Allocation or Accounting Information 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.	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The above- named entity acknowledges that all certifications and attached documentation are considered material representations. The above-named entity acknowledges the submission of the information herein 	
		creates no obligation on the part of the government to pay any amount.	

an aut name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	Keith Nealey Director of Engineering
6.	Commission. 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.	
5.	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the	
4.	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.	
з.	The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above- named entity, including any discounts, refunds, or rebates.	

Attachments