



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **71586** | Service: **DTV** | Call **KCNS** | Channel: **39 (UHF)** |
ID: | Sign:
File **0000028449**
Number:
FRN: **0029023009** | Date **11/15**
Submitted: **/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
NRJ TV SAN FRAN LICENSE CO, LLC	Robert Andrews 722 S DENTON TAP ROAD STE 130 COPPELL, TX 75019 United States	+1 (972) 947- 3391	bob@nrjventures. com	Limited Liability Company

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
The Preparer is same as the reimbursement contact.			

Broadcaster Information and Transition Plan

Question	Response
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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	Tower Mgt Co will manage all aspects of combiner and antenna installation. KCNS will install new transmitter and coordinate the transition with tower owner and other stations.

Transmitters

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

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Paragon DCXP-2
	Year	2007
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47 kW
	Justification for New Transmitter	Cost of retuning (including interim transmitter) exceeds replacement cost. Proposed solid state replacement less expensive than IOT replacement. See attached statement.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No

	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	120.0 feet
	Other Electrical Service	Yes
	Description	Install additional 400A service disconnect, LV transformer, Surge suppressor
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Installation Crew Expenses	Travel, Per Diem, Lodging for installation crew

Antennas

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

**Primary
Antenna****Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	Sutro Tower Inc
	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?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels	14
	Design power capacity in use	100.0 %

Lower Limit	518.00 MHz
Upper Limit	698.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	1000.0 kW
Manufacturer	Dielectric
Model	TUM20- C5SP-14 /60H-2_R-T
Year	2007

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

Facility ID	Call Sign
35500	KQED

**Primary
Antenna**

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

**Primary
Antenna**

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel
	Frequency	N/A

Enter a list of RF channel numbers.

RF Channel Number
30
32

Primary
Antenna

Other Antenna Cost Not Listed
Information not provided.

Auxiliary
Antenna

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	Aux Backup
	Ownership	Leased
	Owner	Sutro Tower Inc
	Site	N/A
	Is this antenna currently shared with any other stations?	Yes
	Is this antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal

Type	Broadband Panel
Number of Stations Supported	5
Number of Panels	12
Design power capacity in use	100.0 %
Lower Limit	470.00 MHz
Upper Limit	860.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	500.0 kW
Manufacturer	Dielectric
Model	TUA-C4SP-12/40U-1-S
Year	2007

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

Facility ID	Call Sign
51429	KFSF-DT
35500	KQED
43095	KMTP-TV
58912	KCSM-TV
69619	KBCW

Auxiliary Antenna

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

**Auxiliary
Antenna**

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	4
	Frequencies of channels supported	RF channel
	Frequency	N/A

Enter a list of RF channel numbers.

RF Channel Number
28
30
32
34

**Auxiliary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary Transmission Line**Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	Sutro Tower Inc
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	950 feet per run

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

Facility ID	Call Sign
58912	KCSM-TV
35500	KQED
43095	KMTP-TV

Primary Transmission Line **Other Transmission Line Expenses Not Listed**

Name	Description
Retune Existing Line	Retune line, Install additional components and test as necessary for new CH.

Auxiliary Transmission Line **Add Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Aux Backup
	Ownership	Leased
	Owner	Sutro Tower Inc
	Site	N/A
	Is this transmission currently shared with any other stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches

	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	750 feet per run

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

Facility ID	Call Sign
58912	KCSM-TV
35500	KQED
69619	KBCW
43095	KMTP-TV

**Auxiliary
Transmission Line**

Other Transmission Line Expenses Not Listed

Name	Description
Retune Existing Line	Retune, install additional components and test lines for new channel

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1001289
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	37° 45' 19.0" N-
	Longitude (NAD83)	122° 27' 10.0" W-
	Overall Structure Height	976.69 feet
	Support Structure Height	779.85 feet
	Ground Elevation Above Mean Sea Level (AMSL)	833.98 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	SUTRO TOWER INC
	Date Constructed	03/27/1998

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
35500	KQED	DTV
35703	KTVU	DTV
43095	KMTP-TV	DTV
51429	KFSF-DT	DTV
65526	KRON-TV	DTV
54770	KFOG	FM
69619	KBCW	DTV
25452	KPIX-TV	DTV
34470	KGO-TV	DTV
59964	KISQ	FM
6380	KOIT	FM
65484	KOSF	FM
70032	KSOL	FM

**Primary
Tower**

Tower Modification Costs

Section	Question	Response
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Engineering Study	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
Tower Reinforcements	Please select whether tower reinforcements are needed:	No reinforcements needed

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	700
	Explanation	Complex tower and transition require substantial coordination with vendors, governments, and other tenants on Sutro tower. Transmitter installation logistics and planning. 125hr rate
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 Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	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	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs**Other Professional Services Expenses Not Listed**

Name	Description
Alternate Site Study	Engineering, antenna designs, architectural budgeting etc
Neighborhood RF Survey	Local RF Survey required by planning commision
Outside Consultant Expenses	Travel, Per Diem, Lodging etc for outside consultant on-site visits
Post Assignment Antenna Studies	Antenna design, application data, vertical sketches for structural eng, cost estimates
Schedule 387 quarterly reports	Legal fees for preparation and review of quarterly Schedule 387 progress reports
Architectural Engineering: Transmission Space Alteration	Detailed site layout planning for installation of transmitter, trans lines, and other equipment, including calculation of resultant floor and ceiling loads. Includes preparation of 3D construction drawings for local permitting process.

Other Expenses

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

**Other
Expenses**

Other Expenses Not Listed

Name	Description
Sales Tax	Sales tax on items pertaining to transmission lines, combiners , antennas and lines.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE-72	\$1,519,290.00	\$1,297,197.00		\$379,960.25	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,251,267.00	N/A	\$376,615.76	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$6,240.00	\$5,880.00	N/A	N/A	N/A
Other Electrical Service: Install additional 400A service disconnect, LV transformer, Surge suppressor	<i>\$35,000.00</i>	\$35,000.00	Estimated cost for adding additional equipment for new transmitter. Required for proper pre-air testing.	\$3,344.49	N/A
Installation Crew Expenses	<i>\$5,050.00</i>	\$5,050.00	On-site for transmitter installation crew. Not included on transmitter quote.	N/A	N/A
Sub-total	\$1,519,290.00	\$1,297,197.00	N/A	\$379,960.25	N/A
Total for all systems	\$4,380,024.78	\$2,775,609.18	N/A	\$675,542.15	N/A

Components

Actual Information	File Name	
Description		
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description:	Down payment of 33% of items A, B, D and E on Quote Q-78277 for GatesAir Transmitter
	Amount:	\$376,615.76
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Other Electrical Service: Install additional 400A service disconnect, LV transformer, Surge suppressor	Component Description:	Down payment of 33% of item C (Electrical) for GatesAir Transmitter, per Quote Q-78277
	Amount:	\$3,344.49
Installation Crew Expenses	Information not provided.	

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TUM20-C5SP-14 /60H-2_R-T	\$1,180,930.00	\$107,210.00		\$6,487.51	
New combiner, cost per channel (without antenna)	\$84,200.00	\$100,970.00	Very complex system as required by Sutro Tower. Incl design, purchase, install and remove old unit. Entire cost triggered by KCNS channel change because other user is not changing channel.	\$6,487.51	N/A
Sweep test of existing antenna	\$6,730.00	\$6,240.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically	\$1,090,000.00	\$0.00	N/A	N/A	N/A

or
circularly
polarized

Auxiliary Antenna TUA-C4SP-12/40U-1-S	\$90,930.00	\$72,600.00		\$0.00	
New combiner, cost per channel (without antenna)	\$84,200.00	\$66,360.00	KCNS Share	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,240.00	N/A	N/A	N/A
UHF - High Power Top Mount Five Station broadband panel antenna horizontally polarized	\$0.00	\$0.00	N/A	N/A	N/A
Sub-total	\$1,271,860.00	\$179,810.00	N/A	\$6,487.51	N/A
Total for all systems	\$4,380,024.78	\$2,775,609.18	N/A	\$675,542.15	N/A

Components

Actual Information Description	File Name
New combiner, cost per channel (without antenna)	

	<p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p>	<p>Preliminary TL parts list, reconfiguration of combiners. See cover letter for explanation of why request is \$217.50 lower than invoice \$4,024.41</p> <p>Preliminary TL parts list, reconfiguration of combiners \$2,463.10</p>
Sweep test of existing antenna	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	Information not provided.	
New combiner, cost per channel (without antenna)	Information not provided.	
Sweep test of existing antenna	Information not provided.	
UHF - High Power Top Mount Five Station broadband panel antenna horizontally polarized	Information not provided.	

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$259,102.00	\$259,102.00		\$0.00	
Retune Existing Line	<i>\$259,102.00</i>	\$259,102.00	KCNS Share. Retune of lines required by Sutro system for new channel. See Sutro Cost Estimate attachment.	N/A	N/A
Auxiliary Transmission Line	\$128,574.00	\$128,574.00		\$0.00	
Retune Existing Line	<i>\$128,574.00</i>	\$128,574.00	KCNS Share. Retune of existing lines as required by Sutro system for new channel. See Sutro Cost Estimate attachment.	N/A	N/A
Sub-total	\$387,676.00	\$387,676.00	N/A	\$0.00	N/A
Total for all systems	\$4,380,024.78	\$2,775,609.18	N/A	\$675,542.15	N/A

Components

Information not provided.

Cost
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$441,000.00	\$167,165.00		\$68,174.09	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$152,165.00	N/A	\$53,213.47	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$15,000.00	revised upwards Nov 15, 2018 based on actual expenses incurred to date	\$14,960.62	N/A
Sub-total	\$441,000.00	\$167,165.00	N/A	\$68,174.09	N/A
Total for all systems	\$4,380,024.78	\$2,775,609.18	N/A	\$675,542.15	N/A

Components

Actual Information Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	

Component Description:	Architectural Plans, Building Mapping, TL locations, hole locations, outdoor cooling equipment location, plan submissions
Amount:	\$1,744.63

Component Description:	VSWR Monitoring, Tower Worker Antenna Lockout, Replaces Symphony
Amount:	\$1,464.16

Component Description:	Architectural Plans, Building Mapping, TL locations, hole locations,outdoor cooling equipment location, plan submissions
Amount:	\$6,107.75

Component Description:	VSWR Monitoring, Tower Worker Antenna Lockout, Replaces Symphony
Amount:	\$4,183.54

Component Description:	VSWR Monitoring, Tower Worker Antenna Lockout, Replaces Symphony
Amount:	\$1,822.11

Component Description:	Architectural Plans, Building Mapping, TL locations, hole locations,outdoor cooling equipment location, plan submissions
Amount:	\$612.05

Component Description:	VSWR Monitoring, Tower Worker Antenna Lockout, Replaces Symphony
Amount:	\$2,091.66

Component Description:	Architectural Plans, Building Mapping, TL locations, hole locations,outdoor cooling equipment location, plan submissions
Amount:	\$471.91

Component Description:	VSWR Monitoring, Tower Worker Antenna Lockout, Replaces Symphony
Amount:	\$1,569.09

Component Description:	Architectural Plans, Building Mapping, TL locations, hole locations, outdoor cooling equipment location, plan submissions
Amount:	\$854.73

Component Description:	Architectural Plans, Building Mapping, TL locations, hole locations, outdoor cooling equipment location, plan submissions
Amount:	\$2,285.23

Component Description:	Architectural Plans, Building Mapping, TL locations, hole locations, outdoor cooling equipment location, plan submissions
Amount:	\$10,460.43

Component Description:	Architectural Plans, Building Mapping, TL locations, hole locations, outdoor cooling equipment location, plan submissions
Amount:	\$8,439.89

	Component Description:		Architectural Plans, Building Mapping, TL locations, hole locations,outdoor cooling equipment location, plan submissions
	Amount:		\$1,038.80
	Component Description:		Architectural Plans, Building Mapping, TL locations, hole locations, outdoor cooling equipment location, plan submissions
	Amount:		\$10,067.49
Structural engineering tower load study for a documented tower with candelabra	Component Description:		Tower Mapping
	Amount:		\$118.82
	Component Description:		Tower Mapping
	Amount:		\$2,670.83
	Component Description:		Tower Mapping
	Amount:		\$1,481.09
	Component Description:		Tower Mapping
	Amount:		\$2,888.88
	Component Description:		Tower Mapping
	Amount:		\$4,184.71
	Component Description:		Tower Mapping
	Amount:		\$113.66

Component Description:	Tower Mapping
Amount:	\$268.66

Component Description:	Tower Mapping
Amount:	\$152.41

Component Description:	Tower Mapping
Amount:	\$3,081.56

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$416,513.78	\$404,013.18		\$177,175.04	
Alternate Site Study	<i>\$77,607.78</i>	\$77,607.78	Required by Sutro Tower Inc. Very complex system. Updated with actual final cost per Sutro Tower Inc invoice 7960 (attached)	\$77,607.78	Actual costs higher than original estimate because of cost of obtaining an option to procure an alternate site for repack facilities in the event San Francisco permitting for Sutro Tower modifications is not successful
Project management of the transition	\$110,600.00	\$86,500.00	Includes Sutro Costs and KCNS costs for 40 hrs PM @ \$100 hr	\$20,932.80	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$23,000.00	Complex tower situation requires extensive legal work with tower company (Sutro Tower Inc.)	\$22,747.07	N/A

Revised
estimate
upwards
Nov 15,
2018 based
on actual
expenses
incurred to
date.

Architectural Engineering: Transmission Space Alteration	\$54,500.00	\$54,500.00	Tower landlord requires detailed engineering of alterations required for installation of transmitter and associated electrical, plumbing, etc. including calculations of floor and ceiling loading and 3D construction drawings suitable for use in permitting.	\$22,547.61	N/A
Schedule 387 quarterly reports	\$3,125.00	\$3,125.00	\$312.50 per quarter (1/2 hour legal time) times 10 quarters to end of Phase 8	\$125.00	N/A
Post Assignment Antenna Studies	\$15,563.00	\$15,563.00	Required by Sutro Tower Inc.	\$4,786.65	N/A

			Very complex system.		
Outside Consultant Expenses	\$3,720.00	\$3,720.00	Project Manager on-site expenses.	N/A	N/A
Neighborhood RF Survey	\$3,333.00	\$3,333.00	Required by local planning board	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$7,844.29	N/A	\$0.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$75,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$0.00	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	\$759.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction	\$5,260.00	\$5,000.00	N/A	\$937.50	N/A

Permit
Application

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	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	\$1,750.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$24,570.11	KCNS Share. Very complex situation at Mt. Sutro. Requires extensive outside work using prime contractor Sutro Tower Inc.	\$24,481.63	N/A

			Updated with actual figure from invoice		
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$500.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A
Sub-total	\$416,513.78	\$404,013.18	N/A	\$177,175.04	N/A
Total for all systems	\$4,380,024.78	\$2,775,609.18	N/A	\$675,542.15	N/A

Components

Actual Information	
Description	File Name
Alternate Site Study	<p>Component Description: Alternate Site Study--engineering, antenna designs, architectural, budgeting, etc.</p> <p>Amount: \$5,849.86</p>

	Component Description: Amount:	Alternate Site Study-- engineering, antenna designs, architectural ,budgeting, etc. \$44,903.11
	Component Description: Amount:	Alternate Site Study-- engineering, antenna designs, architectural ,budgeting, etc. \$12,916.66
	Component Description: Amount:	Alternate Site Study-- engineering, antenna designs, architectural, budgeting, etc. \$7,882.05
	Component Description: Amount:	Alternate Site Study-- engineering, antenna designs, architectural, budgeting, etc. \$6,056.10
Project management of the transition	Component Description: Amount:	Project Management \$2,885.90
	Component Description: Amount:	Project Management \$938.74
	Component Description: Amount:	Project Management \$944.58
	Component Description: Amount:	Project Management \$956.25

Component Description:	Project Management
Amount:	\$1,188.75

Component Description:	Project Management
Amount:	\$1,203.74

Component Description:	Project Management
Amount:	\$812.07

Component Description:	Project Management
Amount:	\$5,329.08

Component Description:	Project Management
Amount:	\$1,396.39

Component Description:	Project Management
Amount:	\$2,051.38

Component Description:	Project Management
Amount:	\$146.87

Component Description:	Project Management
Amount:	\$293.75

Component Description:	Project Management
Amount:	\$125.00

Component Description:	Project Management
Amount:	\$889.58

Component Description:	Project Management
Amount:	\$1,032.50

	Component Description: Amount:	Project Management \$738.22
Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description: Amount:	Legal Fees - Multi- Station Project Control \$537.93
	Component Description: Amount:	Legal Fees-Multi- Station Project Control \$655.57
	Component Description: Amount:	Legal Fees - Multi- Station Project Control \$509.43
	Component Description: Amount:	Legal Fees - Multi- Station Project Control \$1,276.56
	Component Description: Amount:	Legal Fees - Multi- Station Project Control \$634.20
	Component Description: Amount:	Legal Fees - Multi- Station Project Control \$274.07
	Component Description: Amount:	Legal Fees - Multi- Station Project Control \$238.05

	Component Description:	Legal Fees-Multi-Station Project Control
	Amount:	\$12,651.89
	Component Description:	Legal Fees - Multi-Station Project Control
	Amount:	\$283.49
	Component Description:	Legal Fees - Multi-Station Project Control
	Amount:	\$2,001.96
	Component Description:	Legal Fees - Multi-Station Project Control
	Amount:	\$2,281.73
	Component Description:	Legal Fees- Multi-Station Project Control
	Amount:	\$934.48
	Component Description:	Legal Fees - Multi-Station Project Control
	Amount:	\$100.54
	Component Description:	Legal Fees-Multi-Station Project Control
	Amount:	\$367.17
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Architectural Engineering: Transmission Space Alteration		

	Component Description: Amount:	Architectural engineering services for alteration of existing space to accommodate new transmission equipment \$15,135.11
	Component Description: Amount:	Architectural engineering services for alteration of existing space to accommodate new transmission equipment \$2,784.00
	Component Description: Amount:	Architectural engineering services for alteration of existing space to accommodate new transmission equipment \$4,628.50
Schedule 387 quarterly reports	Component Description: Amount:	0.2 hrs at \$625 to review quarterly 387 report \$125.00
Post Assignment Antenna Studies	Component Description: Amount:	Post Assignment Antenna Studies \$233.33

	Component Description: Amount:	Post Assignment Antenna Studies-- antenna design, application data, vertical sketches for structural engineering, cost estimates \$91.66
	Component Description: Amount:	RF Eng - Post Assignment Antenna Studies \$570.83
	Component Description: Amount:	Removed component per revised invoices from Sutro; this cost was reallocated to other stations at Sutro N/A
	Component Description: Amount:	Post AssignmentAntenna Studies--antenna design,application data, verticalsketches for structural engineering, costestimates \$3,890.83
Outside Consultant Expenses	Information not provided.	
Neighborhood RF Survey	Information not provided.	
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	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Professional Services \$759.00 </div>
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Legal fees for initial post-auction CP application \$375.00 </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> 0.9 hrs at \$625 Legal for initial post-auction CP application \$562.50 </div>
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	Information not provided.
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	

	<p>Component Description:</p> <p>Prep of engineering portion of KCNS-DT FCC App for Construction Permit for auxiliary facility</p> <p>Amount:</p> <p>\$1,750.00</p>
Perform engineering study for new channel assignment and antenna development	<p>Component Description:</p> <p>Preliminary Repacking Study--engineering, studies, antenna designs, budgeting, architectural, etc.</p> <p>Amount:</p> <p>\$24,481.63</p>
Prepare and or review reimbursement form	<p>Component Description:</p> <p>0.8 hrs at \$625 legal fees to assist with 399 reimbursement form</p> <p>Amount:</p> <p>\$500.00</p>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$343,685.00	\$339,748.00		\$43,745.26	
Local Zoning	<i>\$202,108.00</i>	\$202,108.00	Super complex project requires extensive zoning work. KCNS portion. See Sutro Cost Estimate attachment	\$32,781.12	N/A
Equipment Delivery and Handling Charges	<i>\$78,469.00</i>	\$78,469.00	Complex site requires substantial handling equipment and charges. KCNS Portion	\$7,467.15	N/A
Sales Tax	<i>\$26,776.00</i>	\$26,776.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$500.00</i>	\$500.00	N/A	N/A	N/A

Equipment Storage	\$1,200.00	\$1,200.00	Storage for KCNS only equipment	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$16,442.00	\$16,442.00	N/A	\$2,426.99	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	\$1,070.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$7,668.00	N/A	N/A	N/A
Sub-total	\$343,685.00	\$339,748.00	N/A	\$43,745.26	N/A
Total for all systems	\$4,380,024.78	\$2,775,609.18	N/A	\$675,542.15	N/A

Components

Actual Information	
Description	File Name
Local Zoning	

Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental ImpactReport, etc. and Permit Public Relations
Amount:	\$714.32

Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental Impact Report, etc. and Permit Public Relations
Amount:	\$292.68

Component Description:	Permit Public Relations
Amount:	\$337.50

Component Description:	Permit Public Relations
Amount:	\$512.50

Component Description:	Permit Public Relations
Amount:	\$150.00

Component Description:	Permit Public Relations
Amount:	\$525.00

Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental Impact Report, etc. and Permit Public Relations
Amount:	\$704.66

Component Description:	Permit Public Relations
Amount:	\$387.50

Component Description:	Permit Public Relations
Amount:	\$312.50

Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental Impact Report, etc. and Permit Public Relations
Amount:	\$407.31

Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental Impact Report, etc.
Amount:	\$7,529.19

Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental Impact Report, etc.
Amount:	\$966.15

Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental ImpactReport, etc. and Permit Public Relations
Amount:	\$5,379.43

Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental Impact Report, etc.
Amount:	\$10,478.13

Component Description:	Permit Public Relations
Amount:	\$62.50

Component Description:	Permit Public Relations
Amount:	\$705.37

	Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental ImpactReport, etc. and Permit Public Relations
	Amount:	\$2,266.79
	Component Description:	Permit Public Relations
	Amount:	\$237.50
	Component Description:	Building Permits-- Serious modifications--SF Planning-- Environmental Impact Report, etc. and Permit Public Relations
	Amount:	\$812.09
Equipment Delivery and Handling Charges	Component Description:	Equipment Delivery and Handling
	Amount:	\$89.58
	Component Description:	Fork Lift Rental
	Amount:	\$858.33
	Component Description:	Equipment Delivery and Handling (incl Fork Lift Rental)
	Amount:	\$858.33

	Component Description:	Equipment Delivery and Handling (incl Fork Lift Rental)
	Amount:	\$1,113.64
	Component Description:	Shipping/Storage /Equipment Delivery/Handling
	Amount:	\$149.15
	Component Description:	Equipment Delivery and Handling (incl Fork Lift Rental)
	Amount:	\$1,146.78
	Component Description:	Equipment Delivery and Handling (incl Fork Lift Rental)
	Amount:	\$1,534.68
	Component Description:	Fork Lift Rental
	Amount:	\$858.33
	Component Description:	Equipment Delivery and Handling Charges (Forklift Rental)
	Amount:	\$858.33
Sales Tax	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Information not provided.	

Disposal Costs (for equipment and other waste, net of any salvage value)	<div> Component Description: Disposal Cost Amount: \$2,218.66 </div>
	<div> Component Description: Disposal, remove old line hardware, wall patch, painting, vinyl floor patch, patch roof holes, debris disposal, etc. Amount: \$208.33 </div>
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	<div> Component Description: Filing fee for CP to modify auxiliary transmission facility to post-repack channel 32. Amount: \$1,070.00 </div>
DTV Medical Facility Notification	Information not provided.

Cost Information	Grand Total		
	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,380,024.78	\$2,775,609.18	\$675,542.15

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>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.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the 	

signal of a
broadcaster that
changes channels
(MVPD).

5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**Jeff
Hazelrigg**
CFO

11/15/2018

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 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 4. The above-named entity acknowledges the submission of the information herein 	

creates no obligation on the part of the government to pay any amount.

5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.
8. The above-named entity acknowledges that overpayments or payments in error

<p>must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Jeff Hazelrigg <i>CFO</i></p> <p>11/15/2018</p>

Attachments