



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **69619** | Service: **DTV** | Call **KBCW** | Channel: **28 (UHF)**  
ID: | Sign:  
File **0000027831**  
Number:  
FRN: **0003742632** | Date **09/24**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>SAN FRANCISCO TELEVISION STATION KBCW INC</b> Doing Business As: SAN FRANCISCO TELEVISION STATION KBCW INC	Daniel G. Ryson 1725 DESALES ST NW SUITE 501 WASHINGTON, DC 20036 United States	+1 (202) 457-4505	dryson@cbs.com	Corporation

## 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
<b>Daniel G Ryson</b> <i>Associate Director of Spectrum Management</i> <i>CBS</i>	Daniel G. Ryson 1725 DeSales Street NW Suite 501 Washington, DC 20036 United States	+1 (202) 457-4074	dryson@cbs.com

**Broadcaster  
Information  
and  
Transition  
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	Facility located at Sutro Tower has a main elliptically polarized ant and a broadband aux ant. Main antenna replacement requires replacment of structural steel. Post-transition transmitter will be pretuned to the post transition channel

**Transmitters**

Section	Question	Response
<b>Transmitter Related Expenses</b>	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Sigma CD
	Year	2002
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 kW

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-120
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	75.1 kW
	Justification for New Transmitter	GatesAir will not retune IOT transmitters (see Exhibit 1). The minimum capable ULXTE-80 transmitter has less headroom than present (see Exhibit 48), the ULXTE-90 estimated cost establishes reimbursement.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA

	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	0.0 square feet
<b>Channel 14 Costs</b>	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**  
Information not provided.

**Antennas**

Section	Question	Response
<b>Antenna Related Expenses</b>	Do you have antenna related expenses?	Yes

**Auxiliary  
Antenna****Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	Alternate /Backup
	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	5
	Number of Panels	40
	Design power capacity in use	80.0 %

Lower Limit	470.00 MHz
Upper Limit	698.00 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
58912	KPJK
35500	KQED
43095	KMTP-TV
51429	KFSF-DT
71586	KCNS

**Auxiliary Antenna**

**Adjustment to Existing Antenna**

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

**Auxiliary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	5

Frequencies of channels supported	RF channel
Frequency	N/A

**Enter a list of RF channel numbers.**

RF Channel Number
34
28
30
32

**Auxiliary Antenna**

**Other Antenna Cost Not Listed**

Name	Description
<b>Install New Combiner Lines</b>	Install New Combiner Transmission Line Interconnects
<b>Install New Combiner</b>	Install New Aux Combiner
<b>Replace Combiner Switches</b>	Remove and Replace Combiner 6-Inch Coaxial Switches.
<b>Scaffold STI-120A</b>	Scaffold STI-120A
<b>Remove Old Combiner</b>	Remove Old Combiner
<b>Upgrade Combiner HVAC - STI-121A</b>	Upgrade Combiner HVAC - STI-121A
<b>Combiner Direct Access Unit STI-121B</b>	Combiner Direct Access Unit STI-121B
<b>Combiner Remove and Fill Door STI-121C</b>	Combiner Remove and Fill Door STI-121C
<b>Remove Old Combiner Lines</b>	Remove Old Combiner Transmission Line Interconnects
<b>Fill Holes</b>	Fill Holes in Concrete After Removing Old Combiner Lines.
<b>Core Drill Holes</b>	Drill Holes in Concrete for New Transmission Line Pass Through



**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Bottom
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	1000.0 kW

Manufacturer	
Model	TFU-19JSC /VP-R C150SP
Year	2009

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**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
	<b>New Antenna Manufacturer and Types</b>	Class
Mounting		Side Mount
Antenna position in stack		Bottom
Polarization		Elliptical
Type		Slotted Coaxial
Number of Stations Supported		N/A
Number of Panels/Bays		N/A
Lower Limit		N/A
Upper Limit		N/A
Design power capacity in use		N/A
Other Antenna Type		N/A
ERP: (Effective Radiated Power) .....		1000.0 kW
Manufacturer		

Model	TFU-24DSC /VP-R C140 DC
Year	2019
Justification for New Antenna	Current antenna is single-channel, and cannot be retuned to new frequency.

**Primary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	8 3/16 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes

<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes
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**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	
	Model	TFU-24WB /VP-R C160
Year	2019	

Justification for New Antenna	Because existing Auxiliary antenna is much lower and limited to 500 kW ERP, operation would result in extensive coverage loss.
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**Interim Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Interim 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?

**Auxiliary Transmission Line**  
Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	When Main Isn't Available
	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	8 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	745 feet per run



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

Facility ID	Call Sign
58912	KPJK
35500	KQED
43095	KMTP-TV
71586	KCNS

**Auxiliary Transmission Line** **Other Transmission Line Expenses Not Listed**

Name	Description
<b>Assd. Transmission Line</b>	Various transmission lines and hardware to restore non-repacked stations after tower reinforcement.
<b>Combiner Lower - Trans Line Kit - 34 STI-114</b>	Combiner Lower - Trans Line Kit - 34 STI-114
<b>Combiner Lower - Trans Line Kit - 28 STI-111</b>	Combiner Lower - Trans Line Kit - 28 STI-111
<b>Combiner Lower - Trans Line Kit - 30 STI-112</b>	Combiner Lower - Trans Line Kit - 30 STI-112

**Primary  
Transmission  
Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Waveguide
	Diameter	N/A
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1085 feet per run

**Primary  
Transmission  
Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1490 feet per run
	Justification for New Transmission Line	Reduce structural stress on tower and Stack B to reduce structural reinforcement needs. (See Exhibits 48 and 49.)

**Primary  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>Fill Holes Floor Wall STI-40</b>	Fill Holes in Floor and Wall STI-40
<b>Core Drill 4 Holes STI-39</b>	Core Drill 4 Holes STI-39

<b>Prelim TX Line Parts List</b>	Preliminary List of Transmission Line Parts; Reconfiguration of Combiners.
<b>RF Accessories</b>	Coaxial Switch, Switch Controller, Test Load. (See Exhibit 3, Item D)

**Interim  
Transmission  
Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	6 1/8 inches
	Segment Length	19 ¾ '
	Other Segment Length	
	Number of parallel runs	1
	Length	100 feet per run
	Justification for New Transmission Line	Required to connect existing waveguide to interim antenna.

**Interim  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

Information not provided.

**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?	Yes
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
34470	KGO-TV	DTV
58912	KPJK	DTV
70032	KSOL	FM
65526	KRON-TV	DTV
65484	KOSF	FM
6380	KOIT	FM
54770	KNBR-FM	FM
35500	KQED	DTV
25452	KPIX-TV	DTV
59964	KISQ	FM
71586	KCNS	DTV
51429	KFSF-DT	DTV
43095	KMTP-TV	DTV
35703	KTVU	DTV

**Primary Tower**

**Tower Modification Costs**

Section	Question	Response
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:	Serious 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**

Name	Description
Install Interim KBCW Ant and Line	Install KBCW Interim Antenna and Transmission Line.
Special Welding Bolting Inspections STI-67	Special Inspections, Welding & Bolting. STI-67
KFOG Testing STI-65	KFOG (Now KNBR-FM) Testing. STI 65.
Demolish Waveguide	Demolish Existing Waveguide to KBCW Antenna.
Install KQED-FM Ant	Reinstall KQED-FM Antenna After "B" Stack Replacement.
Install KFOG Aux	Install KFOG(Now KNBR-FM) Auxiliary Antenna at Level 5, South Leg.
Install Primary KBCW Line	Install Transmission Line to New KBCW Primary Antenna.
Remove Waveguide Ladder	Remove Old Waveguide Ladder from B and C Legs. See Exhibit 23



<b>Reinstall KFOG Main Ant STI-64</b>	Reinstall KFOG(Now KNBR-FM) Main Antenna STI-64
<b>Remove ENG Mounts</b>	Remove ENG Mounts to Make Room for KFOG Antenna Location
<b>Tower Mapping</b>	Tower mapping for preparation of documentation necessary for tower load study.
<b>Remove KQED-FM Ant</b>	Remove KQED-FM Antenna from "B" Stack that Must Be Replaced.

**Outside Professional Services Costs**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	250
	Explanation	Company lacks sufficient internal resources.
<b>Outside RF consulting Engineering Services</b>	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	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
	<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application
For Auxiliary Facility		N/A
For Main Facility		N/A
Prepare and file Form FCC License to Cover Application		No

	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	No
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	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**  
Information not provided.

**Other Expenses**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	Local Zoning	Yes
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
<b>Other Miscellaneous Expenses</b>	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?	No
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other  
Expenses**

**Other Expenses Not Listed**

<b>Name</b>	<b>Description</b>
<b>Alternate Site Studies</b>	Pre, Post and Alternate Site Studies
<b>Architectural Plans</b>	Architectural plans, building mapping, update plans.
<b>Fork Lift Rental</b>	Utilized to deliver equipment from storage, remove equipment from transmitter room.
<b>KFOG Interim Antenna</b>	Includes Antenna and Antenna Engineering.
<b>Primary Transmitter Shipping</b>	Primary Transmitter Shipping
<b>Public Relations</b>	Required as part of zoning effort.
<b>Sales Tax - Sutro Tower</b>	9.5% Sales Tax on Sutro Tower Invoices Only.
<b>Site Survey</b>	Determine actual site conditions and determine the materials and components required for system installation integration of the site with the transmitter equipment. See Exhibit 12.
<b>Update Architectural Plans STI55</b>	Update Architectural Plans with new TL locations. STI Line 55
<b>VSWR Monitoring</b>	VSWR Monitoring and antenna lockout system.

**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
<b>Primary Transmitter ULXTE-120</b>	<b>\$1,783,309.44</b>	<b>\$1,911,780.70</b>		<b>\$1,072,649.84</b>	
UHF - Liquid Cooled Solid State Transmitter 75.1 kW	<i>\$1,594,303.51</i>	\$1,594,303.51	Please see Exhibits 48 and 51 - Items A, B, and E. This is the cost for a "comparable" ULXTE-90 transmitter, Mask Filter, Installation, and Proof. RF Accessories and Electrical costs are listed separately.	\$1,062,869.00	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$14,671.26	Please see Exhibit 51, Item D.	\$9,780.84	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$165,000.00	See Exhibit 4.	N/A	N/A

Other -- Building Addition Size: 0.0	<b>\$137,805.93</b>	\$137,805.93	Abatement, Flooring, Demo, Paint, Fire Stop, Seismic. General Contractor Minus Electrical. Includes \$28,000 Supervision. (Please See Exhibit 4.)	N/A	N/A
<b>Sub-total</b>	\$1,783,309.44	\$1,911,780.70	N/A	\$1,072,649.84	N/A
<b>Total for all systems</b>	\$7,404,076.47	\$7,688,364.73	N/A	\$3,008,527.99	N/A

## Components

Actual Information	
Description	File Name
UHF - Liquid Cooled Solid State Transmitter 75.1 kW	<p><b>Component Description:</b> Primary Transmitter Down Payment. See attachments to Exhibits 45C and 48.</p> <p><b>Amount:</b> \$531,434.50</p> <p><b>Component Description:</b> Invoice is for upgraded ULXTE-120 transmitter. Seeking reimbursement for comparable ULXTE-90. This cost category is for line items A, B and E. Other costs are listed separately.</p> <p><b>Amount:</b> \$531,434.50</p>

Transformer 3 phase/480v - 300 KVA	<p><b>Component Description:</b> Down payment for Primary Transmitter Electrical Items. See Exhibit 45 Item D.</p> <p><b>Amount:</b> \$4,740.00</p>
	<p><b>Component Description:</b> Invoice is for upgraded ULXTE-120 transmitter. Seeking reimbursement for comparable ULXTE-90. This cost category is for line item D. Other costs are listed separately.</p> <p><b>Amount:</b> \$4,890.42</p>
	<p><b>Component Description:</b> Down payment for primary transmitter electrical. See Exhibit 45C Item D and Exhibit 48.</p> <p><b>Amount:</b> \$4,890.42</p>
Service entrance 3 phase /800 amp/208 volt	Information not provided.
Other -- Building Addition Size: 0.0	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
<b>Interim Antenna TFU-24WB /VP-R C160</b>	<b>\$210,033.00</b>	<b>\$209,853.00</b>		<b>\$0.00</b>	
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	<i>\$203,303.00</i>	\$203,303.00	KBCW Interim Antenna. See STI Line 41A.	\$0.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,550.00	N/A	N/A	N/A
<b>Primary Antenna TFU-24DSC /VP-R C140 DC</b>	<b>\$279,520.00</b>	<b>\$260,100.00</b>		<b>\$224,577.00</b>	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	Side mount brackets are itemized in the "comparable" antenna base cost quote but not in the "upgrade" antenna base cost quote. For uniformity, we'll add these figures and show them only under the antenna.	N/A	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$13,730.00	Elbow complex for the "comparable" antenna system (please see Exhibit 6, Line 2). This cost supersedes Sutro pricing. Please see Exhibit 48.	N/A	N/A

UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	<b><i>\$229,130.00</i></b>	\$229,130.00	This cost is for a "comparable" antenna including side-mount brackets. This cost supersedes Sutro Tower pricing. See Exhibits 48 & 49. \$197,100 Ant + \$16,425 Brackets + \$15,605 shipping. Doesn't include elbow complex, listed separately.	\$224,577.00	N/A
Sweep test of existing antenna	\$6,730.00	\$12,240.00	Please See Exhibit 60, STI Line 34.	N/A	N/A
<b>Auxiliary Antenna TUA-C4SP-12/40U-1-S</b>	<b>\$202,493.00</b>	<b>\$171,543.00</b>		<b>\$0.00</b>	
Scaffold STI-120A	<b><i>\$2,500.00</i></b>	\$2,500.00	Please see Exhibit 60 STI Line Item 120A	N/A	N/A
Upgrade Combiner HVAC - STI-121A	<b><i>\$28,475.00</i></b>	\$28,475.00	Combiner HVAC. Please see Exhibit 60 Line Item 121A.	N/A	N/A
Combiner Remove and Fill Door STI-121C	<b><i>\$7,093.00</i></b>	\$7,093.00	Please see Exhibit 60 Line Item 121C.	N/A	N/A

Core Drill Holes	<b><i>\$9,884.00</i></b>	\$9,884.00	Pro Rata Share to Drill Holes in Concrete for New Combiner Lines. Please see Exhibit 60 STI Line Item 119.	N/A	N/A
Fill Holes	<b><i>\$3,219.00</i></b>	\$3,219.00	Fill Concrete Holes in Floor Wall After Removing Old Combiner Transmission Lines. Please see Exhibit 60 STI Line Item 120.	N/A	N/A
Remove Old Combiner Lines	<b><i>\$3,060.00</i></b>	\$3,060.00	KBCW pro-rata share (50%) of Lower Aux Combiner, Remove Old Transmission Line Interconnects. See Exhibit 60 STI Line Item 116.	N/A	N/A
Combiner Direct Access Unit STI-121B	<b><i>\$15,352.00</i></b>	\$15,352.00	Combiner Direct Access Unit. Please see Exhibit 60 Line Item 121B.	N/A	N/A
Remove Old Combiner	<b><i>\$6,120.00</i></b>	\$6,120.00	KBCW pro-rata share (50%) of Lower Aux Combiner, Remove Old. See Exhibit 60 STI Line Item 111.	N/A	N/A

Replace Combiner Switches	<b><i>\$6,120.00</i></b>	\$6,120.00	KBCW pro-rata share (50%) of Lower Aux Combiner, Remove and Replace Coaxial Switches. See Exhibit 60 STI Line Item 118.	N/A	N/A
Install New Combiner	<b><i>\$12,240.00</i></b>	\$12,240.00	KBCW pro-rata share (50%) of Lower Aux Combiner, Install New. See Exhibit 60 STI Line 110.	N/A	N/A
Install New Combiner Lines	<b><i>\$12,240.00</i></b>	\$12,240.00	KBCW pro-rata share (50%) of Lower Aux Combiner, New Transmission Line Interconnects. See Exhibit 60 STI Line Item 117.	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$48,000.00	Please see Exhibit 60 STI Line 109.	N/A	N/A

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$12,240.00	KBCW pro-rata share (50%) of Lower Aux Combiner, RF Testing, Complex. Please see Exhibit 60 STI Line Item 121.	N/A	N/A
<b>Sub-total</b>	\$692,046.00	\$641,496.00	N/A	\$224,577.00	N/A
<b>Total for all systems</b>	\$7,404,076.47	\$7,688,364.73	N/A	\$3,008,527.99	N/A

## Components

Actual Information	
Description	File Name
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	Information not provided.
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	<p><b>Component Description:</b> Primary Antenna. Please see Exhibit 60 STI Line Item 31.</p> <p><b>Amount:</b> \$112,288.50</p> <p><b>Component Description:</b> Primary Antenna. Please see Exhibit 60 STI Line Item 31.</p> <p><b>Amount:</b> \$112,288.50</p>
Sweep test of existing antenna	Information not provided.
Scaffold STI-120A	Information not provided.
Upgrade Combiner HVAC - STI-121A	Information not provided.
Combiner Remove and Fill Door STI-121C	Information not provided.
Core Drill Holes	Information not provided.
Fill Holes	Information not provided.
Remove Old Combiner Lines	Information not provided.
Combiner Direct Access Unit STI-121B	Information not provided.
Remove Old Combiner	Information not provided.
Replace Combiner Switches	Information not provided.
Install New Combiner	Information not provided.

Install New Combiner Lines	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Sweep test of existing antenna	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
<b>Interim Transmission Line</b>	<b>\$20,200.00</b>	<b>\$13,377.00</b>		<b>\$0.00</b>	
Rigid Transmission Line - copper, 6 1/8"	\$20,200.00	\$13,377.00	Please see Exhibit 60 - STI Line Item 41B.	N/A	N/A
<b>Primary Transmission Line</b>	<b>\$1,177,218.57</b>	<b>\$830,506.57</b>		<b>\$599,449.58</b>	
Core Drill 4 Holes STI-39	<i>\$19,900.00</i>	\$19,900.00	Please see Exhibit 60 - STI Line Item 39.	\$17,093.60	N/A
Fill Holes Floor Wall STI-40	<i>\$9,884.00</i>	\$9,884.00	Please see Exhibit 60 STI Line Item 40	N/A	N/A
RF Accessories	<i>\$169,596.24</i>	\$169,596.24	Waveguide switches, switch controller, test load, and various cut lengths of line and waveguide. (See Exhibit 48, Item C)	\$113,064.16	N/A

Rigid Transmission Line - copper, 8 3 /16" broadband	\$594,510.00	\$384,916.85	See Exhibit 60 STI Line Item 32. Cost shown here excludes \$39,603 for upgraded broadband transmission line and \$239,376.15 already reimbursed in other (locked) line category.	\$227,595.15	N/A
Prelim TX Line Parts List	<b>\$6,833.33</b>	\$6,833.33	See Exhibit 44. Total cost shared among six stations.	\$2,320.52	N/A
Rigid Transmission Line - copper, 8 3 /16"	\$376,495.00	\$239,376.15	***System Notice: Estimate adjusted and locked because line has been superseded. ***Irregular tower shape requires many elbows and hangers. See Exhibit 6, line 3.	\$239,376.15	N/A
<b>Auxiliary Transmission Line</b>	<b>\$92,466.00</b>	<b>\$92,466.00</b>		<b>\$7,905.00</b>	
Combiner Lower - Trans Line Kit - 28 STI-111	<b>\$8,090.00</b>	\$8,090.00	Please see Exhibit 60 STI Line Item 111.	\$2,120.20	N/A

Combiner Lower - Trans Line Kit - 34 STI- 114	<b><i>\$26,724.00</i></b>	\$26,724.00	Please see Exhibit 60 STI Line Item 114.	\$4,840.90	N/A
Combiner Lower - Trans Line Kit - 30 STI- 112	<b><i>\$11,419.00</i></b>	\$11,419.00	Please see Exhibit 60 - STI Line Item 112.	\$943.90	N/A
Assd. Transmission Line	<b><i>\$46,233.00</i></b>	\$46,233.00	Repack to lower frequencies generally requires larger antennas with higher windloading. Structural reinforcement displaces lines of non- repacked stations. This cost reflects those costs. See Exhibit 7, page 47,	N/A	N/A
<b>Sub-total</b>	\$1,289,884.57	\$936,349.57	N/A	\$607,354.58	N/A
<b>Total for all systems</b>	\$7,404,076.47	\$7,688,364.73	N/A	\$3,008,527.99	N/A

## Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 6 1/8"	Information not provided.

<p>Core Drill 4 Holes STI-39</p>	<p><b>Component Description:</b> Core Drill Four Holes. Please see Exhibit 60 STI Line Item 39.</p> <p><b>Amount:</b> \$7,644.50</p> <p><b>Component Description:</b> Primary Line - Core Drill Four Holes. Please see Exhibit 60 STI Line Item 39.</p> <p><b>Amount:</b> \$1,810.00</p> <p><b>Component Description:</b> Core Drill Four Holes. Please see Exhibit 60 - STI Line Item 39.</p> <p><b>Amount:</b> \$5,668.50</p> <p><b>Component Description:</b> Core Drill Four Holes. Please see Exhibit 60 STI Line Item 39.</p> <p><b>Amount:</b> \$1,970.60</p>
<p>Fill Holes Floor Wall STI-40</p>	<p>Information not provided.</p>

RF Accessories

**Component Description:** Primary Transmitter RF Accessories. See Exhibit 45 Item C.  
**Amount:** \$21,426.23

**Component Description:** Down payment for primary transmitter RF Accessories. See Exhibit 45C Item C and Exhibit 48.  
**Amount:** \$56,532.08

**Component Description:** Invoice is for upgraded ULXTE-120 transmitter. Seeking reimbursement for comparable ULXTE-90. This cost category is for line item C. Other costs are listed separately.  
**Amount:** \$56,532.08

Rigid Transmission Line - copper, 8 3/16" broadband

**Component Description:** Invoice is for Sutro Tower work through 5/31/2018. This amount reflects final transmission line parts invoice cost.  
**Amount:** \$7,729.70

**Component Description:** Primary Line. Please see Exhibit 60 STI Line Item 32.  
**Amount:** \$14,888.03

	<p><b>Component Description:</b> Primary Line. Please See Exhibit 60 STI Line Item 32.</p> <p><b>Amount:</b> \$1,154.76</p> <p><b>Component Description:</b> Primary Line. Please see Exhibit 60 STI Line Item 32.</p> <p><b>Amount:</b> \$3,348.71</p> <p><b>Component Description:</b> Invoice is for Sutro Tower work through 2/28/2018. This amount reflects the project payment for transmission line - minus the \$39,603 upgrade to broadband line.</p> <p><b>Amount:</b> \$199,773.15</p> <p><b>Component Description:</b> Invoice is for Sutro Tower work through 4/30/2018. This amount reflects special spring hanger costs. See Exhibit 57.</p> <p><b>Amount:</b> \$700.80</p>
<p>Prelim TX Line Parts List</p>	<p><b>Component Description:</b> See Exhibit 29B Page 9. (Includes Business Class Airfare Deduction on August 28, 2019)</p> <p><b>Amount:</b> \$2,320.52</p>

Rigid Transmission Line - copper, 8 3/16"	<p><b>Component Description:</b> See Exhibit 31 Page 13</p> <p><b>Amount:</b> \$239,376.15</p>
Combiner Lower - Trans Line Kit - 28 STI-111	<p><b>Component Description:</b> Combiner Transmission Line Kit. Please see Exhibit 60 STI Line Item 111.</p> <p><b>Amount:</b> \$2,120.20</p>
Combiner Lower - Trans Line Kit - 34 STI-114	<p><b>Component Description:</b> Aux Combiner Line Kit - 34. Please see Exhibit 60 STI Line Item 114.</p> <p><b>Amount:</b> \$4,840.90</p>
Combiner Lower - Trans Line Kit - 30 STI-112	<p><b>Component Description:</b> Aux Combiner Line Kit-30. Please see Exhibit 60 STI Line Item 112.</p> <p><b>Amount:</b> \$943.90</p>
Assd. Transmission Line	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
<b>Primary Tower TOWER</b>	<b>\$2,604,701.46</b>	<b>\$3,128,464.46</b>		<b>\$753,696.75</b>	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$324,974.00	Removal and installation of KBCW primary antenna on "B" Stack, plus materials. Please see Exhibit 60 and STI Lines 35 (\$120,848.00) plus Line 36 (204,126.00).	\$62,577.18	N/A
Install KFOG Aux	<i>\$17,710.00</i>	\$17,710.00	Install KFOG (FM) Aux Antenna to Permit Work on Stack "B" without Exceeding RF Exposure Limits. See Exhibit 60 STI Line Item 66.	\$2,240.61	N/A
Install Primary KBCW Line	<i>\$448,347.00</i>	\$448,347.00	See Exhibit 60 STI Line 38.	\$302,581.45	N/A
Special Welding Bolting Inspections STI-67	<i>\$5,000.00</i>	\$5,000.00	Special Inspections - Welding & Bolting. Please see Exhibit 60 STI Line Item 67.	N/A	N/A



KFOG Testing STI-65	<b><i>\$8,333.00</i></b>	\$8,333.00	KFOG (Now KNBR-FM) Testing. Please see Exhibit 60 STI Line Item 65.	N/A	N/A
Remove KQED-FM Ant	<b><i>\$40,282.53</i></b>	\$40,282.53	Remove KQED-FM Antenna From "B" Stack that Must Be Replaced. See Exhibit 60 STI Line Item 59.B	N/A	N/A
Tower Mapping	<b><i>\$20,713.00</i></b>	\$20,713.00	Pro-rata cost required to provide accurate input data to structural analysis. See Exhibit 60, STI Line 5.	\$20,670.80	N/A
Remove ENG Mounts	<b><i>\$28,333.00</i></b>	\$28,333.00	Required to accommodate KFOG (Now KNBR-FM) antenna relocation. See Exhibit 60 STI Line Item 64A.	N/A	N/A
Reinstall KFOG Main Ant STI-64	<b><i>\$70,904.00</i></b>	\$70,904.00	Reinstall KFOG (Now KNBR-FM) antenna. See Exhibit 60 STI Line Item 64.	\$13,706.38	N/A
Remove Waveguide Ladder	<b><i>\$67,473.00</i></b>	\$67,473.00	Remove Old Waveguide Ladder from B and C Legs. See Exhibit 60 STI Line Item 60.	\$67,476.64	The subtotal is equal to the estimated cost but the form says it's greater.

Install KQED-FM Ant	<b><i>\$68,041.93</i></b>	\$68,041.93	Remove KQED-FM Antenna From "B" Stack that Must Be Replaced. See Exhibit 60 STI Line Item 59.C	N/A	N/A
Demolish Waveguide	<b><i>\$149,311.00</i></b>	\$149,311.00	See Exhibit 60 STI Line 37.	N/A	N/A
Install Interim KBCW Ant and Line	<b><i>\$187,253.00</i></b>	\$187,253.00	See Exhibit 60 and STI Lines 41D (37,350.00), 41E (5,903.00), and 41F (144,000.00).	\$0.00	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$1,506,289.00	Please see Exhibit 60 STI Line Items 59 (328,577.00), 59.A (177,712.00), and 59.D (1,000,000.00).	\$124,833.09	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$185,500.00	Sutro Tower is not a typical structure. (See Exhibit 60 STI Line Item 58.)	\$159,610.60	N/A
<b>Sub-total</b>	\$2,604,701.46	\$3,128,464.46	N/A	\$753,696.75	N/A
<b>Total for all systems</b>	\$7,404,076.47	\$7,688,364.73	N/A	\$3,008,527.99	N/A

## Components

Actual Information Description	File Name
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<p>Complex Tower (includes, for example, those with candelabras and/or stacked antennas)</p>	<table border="0"> <tr> <td data-bbox="703 91 1145 376"> <p><b>Component Description:</b></p> </td> <td data-bbox="1150 91 1428 376"> <p>Demo KBCW primary antenna. Please see Exhibit 60 STI Line Item 35.</p> </td> </tr> <tr> <td data-bbox="703 383 1145 450"> <p><b>Amount:</b></p> </td> <td data-bbox="1150 383 1428 450"> <p>\$11,569.32</p> </td> </tr> <tr> <td data-bbox="703 456 1145 674"> <p><b>Component Description:</b></p> </td> <td data-bbox="1150 456 1428 674"> <p>Install KBCW Antenna. Please see Exhibit 60 STI Line Item 36.</p> </td> </tr> <tr> <td data-bbox="703 680 1145 748"> <p><b>Amount:</b></p> </td> <td data-bbox="1150 680 1428 748"> <p>\$19,719.27</p> </td> </tr> <tr> <td data-bbox="703 754 1145 972"> <p><b>Component Description:</b></p> </td> <td data-bbox="1150 754 1428 972"> <p>Demo antenna. Please see Exhibit 60 STI Line Item 35.</p> </td> </tr> <tr> <td data-bbox="703 978 1145 1046"> <p><b>Amount:</b></p> </td> <td data-bbox="1150 978 1428 1046"> <p>\$11,569.32</p> </td> </tr> <tr> <td data-bbox="703 1052 1145 1270"> <p><b>Component Description:</b></p> </td> <td data-bbox="1150 1052 1428 1270"> <p>Install KBCW Antenna. Please see Exhibit 60 STI Line Item 36.</p> </td> </tr> <tr> <td data-bbox="703 1276 1145 1344"> <p><b>Amount:</b></p> </td> <td data-bbox="1150 1276 1428 1344"> <p>\$19,719.27</p> </td> </tr> </table>	<p><b>Component Description:</b></p>	<p>Demo KBCW primary antenna. Please see Exhibit 60 STI Line Item 35.</p>	<p><b>Amount:</b></p>	<p>\$11,569.32</p>	<p><b>Component Description:</b></p>	<p>Install KBCW Antenna. Please see Exhibit 60 STI Line Item 36.</p>	<p><b>Amount:</b></p>	<p>\$19,719.27</p>	<p><b>Component Description:</b></p>	<p>Demo antenna. Please see Exhibit 60 STI Line Item 35.</p>	<p><b>Amount:</b></p>	<p>\$11,569.32</p>	<p><b>Component Description:</b></p>	<p>Install KBCW Antenna. Please see Exhibit 60 STI Line Item 36.</p>	<p><b>Amount:</b></p>	<p>\$19,719.27</p>
<p><b>Component Description:</b></p>	<p>Demo KBCW primary antenna. Please see Exhibit 60 STI Line Item 35.</p>																
<p><b>Amount:</b></p>	<p>\$11,569.32</p>																
<p><b>Component Description:</b></p>	<p>Install KBCW Antenna. Please see Exhibit 60 STI Line Item 36.</p>																
<p><b>Amount:</b></p>	<p>\$19,719.27</p>																
<p><b>Component Description:</b></p>	<p>Demo antenna. Please see Exhibit 60 STI Line Item 35.</p>																
<p><b>Amount:</b></p>	<p>\$11,569.32</p>																
<p><b>Component Description:</b></p>	<p>Install KBCW Antenna. Please see Exhibit 60 STI Line Item 36.</p>																
<p><b>Amount:</b></p>	<p>\$19,719.27</p>																
<p>Install KFOG Aux</p>	<table border="0"> <tr> <td data-bbox="703 1368 1145 1637"> <p><b>Component Description:</b></p> </td> <td data-bbox="1150 1368 1428 1637"> <p>Install KFOG-FM aux antenna. Please see Exhibit 60 STI Line Item 63.</p> </td> </tr> <tr> <td data-bbox="703 1644 1145 1711"> <p><b>Amount:</b></p> </td> <td data-bbox="1150 1644 1428 1711"> <p>\$2,054.93</p> </td> </tr> <tr> <td data-bbox="703 1718 1145 1980"> <p><b>Component Description:</b></p> </td> <td data-bbox="1150 1718 1428 1980"> <p>Install KFOG-FM aux antenna. Please see Exhibit 60 STI Line Item 63.</p> </td> </tr> <tr> <td data-bbox="703 1986 1145 2054"> <p><b>Amount:</b></p> </td> <td data-bbox="1150 1986 1428 2054"> <p>\$185.68</p> </td> </tr> </table>	<p><b>Component Description:</b></p>	<p>Install KFOG-FM aux antenna. Please see Exhibit 60 STI Line Item 63.</p>	<p><b>Amount:</b></p>	<p>\$2,054.93</p>	<p><b>Component Description:</b></p>	<p>Install KFOG-FM aux antenna. Please see Exhibit 60 STI Line Item 63.</p>	<p><b>Amount:</b></p>	<p>\$185.68</p>								
<p><b>Component Description:</b></p>	<p>Install KFOG-FM aux antenna. Please see Exhibit 60 STI Line Item 63.</p>																
<p><b>Amount:</b></p>	<p>\$2,054.93</p>																
<p><b>Component Description:</b></p>	<p>Install KFOG-FM aux antenna. Please see Exhibit 60 STI Line Item 63.</p>																
<p><b>Amount:</b></p>	<p>\$185.68</p>																
<p>Install Primary KBCW Line</p>																	

**Component Description:** Invoice is for Sutro Tower work through 5/31 /2018. This amount reflects primary transmission line installation cost.

**Amount:** \$17,653.75

**Component Description:** Invoice is for Sutro Tower work through 3/31 /2018. This amount reflects primary transmission line installation cost.

**Amount:** \$19,425.00

**Component Description:** Install primary transmission line. Please see Exhibit 60 STI Line Item 38.

**Amount:** \$35,525.00

**Component Description:** Install Primary TX Line. Please see Exhibit 60 STI Line Item 38.

**Amount:** \$68,983.32

**Component Description:** Install primary line. Please see Exhibit 60 STI Line Item 38.

**Amount:** \$188.10

	<p><b>Component Description:</b> Install primary transmission line. Please see Exhibit 60 STI Line Item 38.</p> <p><b>Amount:</b> \$10,860.35</p> <p><b>Component Description:</b> Install primary line. Please see Exhibit 60 STI Line Item 38.</p> <p><b>Amount:</b> \$59,686.44</p> <p><b>Component Description:</b> Invoice is for Sutro Tower work through 6/30 /2018. This amount reflects primary transmission line installation cost.</p> <p><b>Amount:</b> \$51,389.41</p> <p><b>Component Description:</b> Invoice is for Sutro Tower work through 4/30 /2018. This amount reflects primary transmission line installation cost.</p> <p><b>Amount:</b> \$38,870.08</p>
Special Welding Bolting Inspections STI-67	Information not provided.
KFOG Testing STI-65	Information not provided.
Remove KQED-FM Ant	Information not provided.
Tower Mapping	

**Component Description:** Invoice is for Sutro Tower work through 3/31/2018. This amount reflects tower mapping cost minus Business Class travel Upgrade.

**Amount:** \$1,445.25

**Component Description:** Tower mapping. Please see Exhibit 60 STI Line Item 5.

**Amount:** \$1,416.66

**Component Description:** Tower Mapping. Please see Exhibit 60 STI Line Item 5.

**Amount:** \$4,184.71

**Component Description:** Tower Mapping. Please see Exhibit 60 STI Line Item 5.

**Amount:** \$2,670.83

**Component Description:** Tower mapping. Please see Exhibit 60 STI Line Item 5.

**Amount:** \$4,329.35

**Component Description:** Pro rata share of tower mapping. See Exhibit 29B page 9.

**Amount:** \$3,081.56

	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 6/30 /2018. This amount reflects tower mapping cost.</p> <p><b>Amount:</b> \$2,888.88</p> <p><b>Component Description:</b> See Exhibit 28 Page 8.</p> <p><b>Amount:</b> \$268.66</p> <p><b>Component Description:</b> See Exhibit 27 Page 8</p> <p><b>Amount:</b> \$118.82</p> <p><b>Component Description:</b> See Attachment 30B Page 30.</p> <p><b>Amount:</b> \$152.41</p> <p><b>Component Description:</b> See Exhibit 24, Line 5</p> <p><b>Amount:</b> \$113.67</p>
Remove ENG Mounts	Information not provided.

<p>Reinstall KFOG Main Ant STI-64</p>	<p><b>Component Description:</b> Install KFOG-FM Main Antenna. Please see Exhibit 60 STI Line Item 64.</p> <p><b>Amount:</b> \$6,853.19</p> <p><b>Component Description:</b> Install KFOG-FM Main Antenna. Please see Exhibit 60 STI Line Item 64.</p> <p><b>Amount:</b> \$6,853.19</p>
<p>Remove Waveguide Ladder</p>	<p><b>Component Description:</b> See Exhibit 29B Page 9</p> <p><b>Amount:</b> \$13,534.16</p> <p><b>Component Description:</b> See Exhibit 28 Page 8</p> <p><b>Amount:</b> \$5,986.66</p> <p><b>Component Description:</b> See Exhibit 31 Page 13</p> <p><b>Amount:</b> \$3,324.16</p> <p><b>Component Description:</b> See Exhibit 23 for quote and Exhibit 27 Page 8.</p> <p><b>Amount:</b> \$18,323.33</p> <p><b>Component Description:</b> See Exhibit 30B Page 30</p> <p><b>Amount:</b> \$26,308.33</p>
<p>Install KQED-FM Ant</p>	<p>Information not provided.</p>
<p>Demolish Waveguide</p>	<p>Information not provided.</p>



Install Interim KBCW Ant and Line	Information not provided.	
Serious tower reinforcement /modifications	<p><b>Component Description:</b></p> <p><b>Amount:</b></p> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> <p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Structural Reinforcing. See Exhibit 60 STI Line Item 59. \$42,169.22</p> <p>Structural Reinforcing. Please see Exhibit 60 STI Line Item 59A. \$20,247.33</p> <p>Structural Reinforcing. See Exhibit 60 STI Line Item 59. \$42,169.21</p> <p>Structural Reinforcing. See STI Line Item 59A. \$20,247.33</p>
Structural engineering tower load study for a documented tower with candelabra	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Invoice is for Sutro Tower work through 5/31 /2018. This amount reflects structural engineering cost. \$11,725.05</p>

**Component Description:** Invoice is for Sutro Tower work through 3/31/2018. This amount reflects structural engineering cost.

**Amount:** \$34,609.75

**Component Description:** Structural Engineering. Please see Exhibit 60 STI Line Item 58.

**Amount:** \$14,932.01

**Component Description:** Structural Engineering. Please see Exhibit 60 STI Line Item 58.

**Amount:** \$5,223.33

**Component Description:** Structural Engineering. Please see Exhibit 60 STI Line Item 58.

**Amount:** (\$1,576.49)

**Component Description:** Structural Engineering. Please see Exhibit 60 STI Line Item 58.

**Amount:** \$3,721.20

**Component Description:** See Exhibit 29B Page 9

**Amount:** \$15,037.22

**Component Description:** See Exhibit 28  
Page 8  
**Amount:** \$1,337.00

**Component Description:** See Exhibit 24  
Line 58.  
**Amount:** \$3,788.50

**Component Description:** See Exhibit 31  
Page 13  
**Amount:** \$33,020.77

**Component Description:** Invoice is for Sutro  
Tower work  
through 1/31  
/2018. This  
amount reflects  
structural  
engineering cost.  
**Amount:** \$7,744.71

**Component Description:** Invoice is for Sutro  
Tower work  
through 6/30  
/2018. This  
amount reflects  
structural  
engineering cost.  
**Amount:** \$7,596.37

**Component Description:** See Exhibit 30B  
Page 30. This  
revision adds  
Rowan Williams  
Davies & Irwin  
proposal per 4/3  
/2019 RFI.  
**Amount:** \$16,439.50

**Component Description:** See Exhibit 27 -  
Page 8  
**Amount:** \$1,124.35

**Component Description:** Invoice is for Sutro  
Tower work  
through 4/30  
/2018. This  
amount reflects  
structural  
engineering cost.  
**Amount:** \$4,887.33

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**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
<b>Outside Professional Services</b>	<b>\$163,160.00</b>	<b>\$201,420.00</b>		<b>\$28,143.08</b>	
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$39,500.00	\$108,214.00	Company lacks sufficient internal resources. 250 hours at \$150 per hour plus time estimated in Exhibit 60, STI Line 129.	\$19,993.10	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$15,563.00	Please See Exhibit 60 and STI Line 3 plus Exhibit 26 Line 1 (\$1,312.50)	\$6,374.98	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	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	\$1,775.00	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, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$64,286.00	Please see Exhibit 60 STL Line 129.	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$2,857.00	Please See Exhibit 60 and STI Line 137.	N/A	N/A
<b>Sub-total</b>	<b>\$163,160.00</b>	<b>\$201,420.00</b>	<b>N/A</b>	<b>\$28,143.08</b>	<b>N/A</b>

<b>Total for all systems</b>	\$7,404,076.47	\$7,688,364.73	N/A	\$3,008,527.99	N/A
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## Components

Actual Information	
Description	File Name
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Project management of the transition	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 5/31/2018. This amount reflects Sutro Tower project management cost.</p> <p><b>Amount:</b> \$1,188.75</p> <p><b>Component Description:</b> Invoice is for Sutro Tower work through 3/31/2018. This amount reflects Sutro Tower project management cost. Deducts travel upgrade cost.</p> <p><b>Amount:</b> \$1,991.46</p> <p><b>Component Description:</b> Project Management Sutro. Please see Exhibit 60 STI Line Item 129.</p> <p><b>Amount:</b> \$759.37</p>

**Component Description:** Project  
Management  
Sutro. Please see  
Exhibit 60 STI Line  
Item 129.  
**Amount:** \$956.25

**Component Description:** Project  
Management  
Sutro. Please see  
Exhibit 60 STI Line  
Item 129.  
**Amount:** \$944.58

**Component Description:** Project  
Management  
Sutro. Please see  
Exhibit 60 STI Line  
Item 129.  
**Amount:** \$583.33

**Component Description:** Project  
Management  
Sutro. Please see  
Exhibit 60 STI Line  
Item 129.  
**Amount:** \$1,709.37

**Component Description:** Sutro Project  
Management. See  
Exhibit 27 page 8.  
**Amount:** \$738.22

**Component Description:** See Exhibit 28  
Page 8  
**Amount:** \$1,396.39

**Component Description:** See Exhibit 31  
Page 13  
**Amount:** \$146.87



**Component Description:** Invoice is for Sutro Tower work through 4/30/2018. This amount reflects Sutro Tower project management cost.  
**Amount:** \$1,203.74

**Component Description:** Invoice is for Sutro Tower work through 6/30/2018. This amount reflects Sutro Tower project management cost.  
**Amount:** \$938.74

**Component Description:** See Exhibit 30B Page 30  
**Amount:** \$125.00

**Component Description:** See Exhibit 29B Page 9  
**Amount:** \$889.58

**Component Description:** Invoice is for Sutro Tower work through 1/31/2018. This amount reflects Sutro Tower project management cost.  
**Amount:** \$293.75

**Component Description:** Invoice is for Sutro Tower work through 2/28/2018. This amount reflects Sutro Tower project management cost.

**Amount:** \$812.07

**Component Description:** See Exhibit 24, Line 129. For work performed, dates, hours, and rate, please see Exhibit 25. The total shown was divided by the six repacking stations.

**Amount:** \$5,315.63

Perform engineering study for new channel assignment and antenna development

**Component Description:** Invoice is for Sutro Tower work through 5/31/2018. This amount reflects new antenna development (updating drawings) cost.

**Amount:** \$570.83

**Component Description:** Engineering Study - New Antenna Development. Please see Exhibit 60 STI Line Item 3.

**Amount:** \$91.66

	<p><b>Component Description:</b> Calculation of necessary height and ERP for non-repack station KFOG-FM.</p> <p><b>Amount:</b> \$275.83</p> <p><b>Component Description:</b> See Exhibit 24 Line 3.</p> <p><b>Amount:</b> \$3,890.83</p> <p><b>Component Description:</b> Invoice is for Sutro Tower work through 4/30/2018. This amount reflects cost of updating antenna engineering studies.</p> <p><b>Amount:</b> \$233.33</p> <p><b>Component Description:</b> Engineering Study for New Channel Assignment.</p> <p><b>Amount:</b> \$1,312.50</p>
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Information not provided.</p>
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application</p>	<p><b>Component Description:</b> Prepare Engineering Section of FCC Form 2100 Construction Permit Application.</p> <p><b>Amount:</b> \$1,775.00</p>

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, License to Cover Application	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
RF Exposure Measurements	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
<b>Other Expenses</b>	<b>\$870,975.00</b>	<b>\$868,854.00</b>		<b>\$322,106.74</b>	
Equipment Delivery and Handling Charges	<i>\$45,286.00</i>	\$45,286.00	Please See Exhibit 60 and STI Line 127.	\$1,458.84	N/A
VSWR Monitoring	<i>\$183,559.00</i>	\$183,559.00	VSWR Monitoring of antennas, transmission line, and combiner. Helps assure equipment won't be damaged by excessive transmitter power during fault conditions. Please See Exhibit 60 and STI Line 131.	\$31,716.87	N/A
Update Architectural Plans STI55	<i>\$4,004.00</i>	\$4,004.00	Update Architectural Plans with new TL locations. Please See Exhibit 60 and STI Line 55.	N/A	N/A

Site Survey	<b><i>\$9,147.00</i></b>	\$9,147.00	Determine actual site conditions and determine the materials and components required for system installation /integration of the customers site with the transmitter equipment. See Exhibit 46.	\$9,147.00	N/A
Sales Tax - Sutro Tower	<b><i>\$167,933.00</i></b>	\$167,933.00	9.5% San Francisco Sales Tax - on Sutro Tower, Inc. materials only. Please See Exhibit 60 and STI Line 141.	\$51,410.39	N/A
Public Relations	<b><i>\$16,379.00</i></b>	\$16,379.00	Public relations required for zoning hearings, neighbors, and government officials. Please See Exhibit 60 and STI Line 57.	\$4,766.49	N/A

Primary Transmitter Shipping	<b><i>\$13,500.00</i></b>	\$13,500.00	Gates Air Shipping for comparable transmitter. See quote attached as Exhibit 51.	N/A	N/A
KFOG Interim Antenna	<b><i>\$17,710.00</i></b>	\$17,710.00	KFOG(FM) Interim Antenna, pro rata share. Does not include shipping or installation.	N/A	N/A
Fork Lift Rental	<b><i>\$21,974.00</i></b>	\$21,974.00	Required to move equipment from storage to transmitter and combiner room, throughout site. Please See Exhibit 60 and STI Line 125.	\$8,583.30	N/A
Architectural Plans	<b><i>\$51,369.00</i></b>	\$51,369.00	Pro rata Share of Architectural Plans, Building Mapping, Update Plans. Please See Exhibit 60 and STI Line 54	\$43,611.96	N/A

Alternate Site Studies	<i>\$108,923.00</i>	\$108,923.00	Preliminary repack study, Alternate site studies, and Prelim TL Parts List. (Please See Exhibit 60 and STI Lines# 1, 2, and 4)	\$106,427.76	N/A
Equipment Storage	<i>\$20,833.00</i>	\$20,833.00	Please see Exhibit 15.	N/A	N/A
MVPD Notification of Channel Change	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$9,429.00	Please See Exhibit 60 and STI Line 135	N/A	N/A
Local Zoning	<i>\$176,572.00</i>	\$176,572.00	Includes Legal Fees. Please See Exhibit 60 and STI Lines 56 and 139.	\$58,050.48	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$21,236.00</i>	\$21,236.00	Please See Exhibit 60 and STI Line 123.	\$6,933.65	N/A
<b>Sub-total</b>	\$870,975.00	\$868,854.00	N/A	\$322,106.74	N/A
<b>Total for all systems</b>	\$7,404,076.47	\$7,688,364.73	N/A	\$3,008,527.99	N/A

## Components



Actual Information Description	File Name
Equipment Delivery and Handling Charges	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 5/31 /2018. This amount reflects shipping delivery and handling cost.</p> <p><b>Amount:</b> \$676.35</p>
	<p><b>Component Description:</b> Shipping Delivery Handling. Please see Exhibit 60 STI Line Item 127.</p> <p><b>Amount:</b> \$149.15</p>
	<p><b>Component Description:</b> Shipping Delivery Handling. Please see Exhibit 60 STI Line Item 127.</p> <p><b>Amount:</b> \$89.58</p>
	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 6/30 /2018. This amount reflects shipping delivery and handling cost.</p> <p><b>Amount:</b> \$255.31</p>
	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 4/30 /2018. This amount reflects shipping delivery and handling cost.</p> <p><b>Amount:</b> \$288.45</p>
VSWR Monitoring	

**Component Description:** Invoice is for Sutro Tower work through 5/31/2018. This amount reflects VSWR monitoring system cost.

**Amount:** \$2,091.66

**Component Description:** VSWR Monitoring. Please see Exhibit 60 STI Line Item 131.

**Amount:** \$1,960.00

**Component Description:** VSWR Monitoring Antenna Lockout. Please see Exhibit 60 STI Line Item 131.

**Amount:** \$1,822.11

**Component Description:** VSWR Monitoring. Please see Exhibit 60 STI Line Item 131.

**Amount:** \$1,464.16

**Component Description:** VSWR Monitoring. Please see Exhibit 60 STI Line Item 131.

**Amount:** \$16,361.63

**Component Description:** VSWR Monitoring. Please see Exhibit 60 STI Line Item 131.

**Amount:** \$2,264.68

	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 6/30 /2018. This amount reflects VSWR monitoring system cost.</p> <p><b>Amount:</b> \$4,183.54</p> <p><b>Component Description:</b> Invoice is for Sutro Tower work through 4/30 /2018. This amount reflects preliminary VSWR monitoring system engineering cost.</p> <p><b>Amount:</b> \$1,569.09</p>
Update Architectural Plans STI55	Information not provided.
Site Survey	<p><b>Component Description:</b> Site Survey. Please see Exhibits 47 and 48.</p> <p><b>Amount:</b> \$9,147.00</p>

Sales Tax - Sutro Tower

**Component Description:** Sales Tax. Please see Exhibit 60 STI Line Item 141.  
**Amount:** \$657.02

**Component Description:** Sales Tax. Please see Exhibit 60 STI Line Item 141.  
**Amount:** \$10,059.43

**Component Description:** See Exhibit 31 Page 13  
**Amount:** \$20,346.97

**Component Description:** Invoice is for Sutro Tower work through 4/30 /2018. This amount reflects California State Use Tax. See Exhibit 57 page 9.  
**Amount:** \$20,346.97

Public Relations

**Component Description:** Invoice is for Sutro Tower work through 5/31 /2018. This amount reflects public relations costs.  
**Amount:** \$312.50

**Component Description:** Invoice is for Sutro Tower work through 3/31/2018. This amount reflects public relations cost.

**Amount:** \$150.00

**Component Description:** Permit Public Relations. Please see Exhibit 60 STI Line Item 57.

**Amount:** \$137.50

**Component Description:** Permit Public Relations. Please see Exhibit 60 STI Line Item 57.

**Amount:** \$387.50

**Component Description:** Permit Public Relations. Please See Exhibit 60 STI Line Item 57.

**Amount:** \$512.50

**Component Description:** Permit Public Relations. Please See Exhibit 60 STI Line Item 57.

**Amount:** \$375.00

**Component Description:** Permit Public Relations. Please see Exhibit 60 STI Line Item 57.

**Amount:** \$62.50

**Component Description:** See Exhibit 29B  
Page 9  
**Amount:** \$712.50

**Component Description:** Invoice is for Sutro  
Tower work  
through 4/30  
/2018. This  
amount reflects  
public relations  
cost.  
**Amount:** \$337.50

**Component Description:** Invoice is for Sutro  
Tower work  
through 2/28  
/2018. This  
amount reflects  
public relations  
costs.  
**Amount:** \$225.00

**Component Description:** See Exhibit 28  
Page 8  
**Amount:** \$212.50

**Component Description:** See Exhibit 24  
Line 57  
**Amount:** \$237.50

**Component Description:** See Exhibit 31  
Page 13  
**Amount:** \$516.49

	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 6/30 /2018. This amount reflects public relations costs.</p> <p><b>Amount:</b> \$525.00</p> <p><b>Component Description:</b> See Exhibit 27 - Page 8</p> <p><b>Amount:</b> \$62.50</p>
Primary Transmitter Shipping	Information not provided.
KFOG Interim Antenna	Information not provided.
Fork Lift Rental	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 5/31 /2018. This amount reflects fork lift rental cost.</p> <p><b>Amount:</b> \$858.33</p> <p><b>Component Description:</b> Invoice is for Sutro Tower work through 3/31 /2018. This amount reflects fork lift rental cost.</p> <p><b>Amount:</b> \$858.33</p> <p><b>Component Description:</b> Fork Lift Rental. Please see Exhibit 60 STI Line Item 125.</p> <p><b>Amount:</b> \$858.33</p>

**Component Description:** Fork Lift Rental.  
Please see Exhibit  
60 STI Line Item  
125.  
**Amount:** \$858.33

**Component Description:** Fork Lift Rental.  
Please see Exhibit  
60 STI Line Item  
125.  
**Amount:** \$858.33

**Component Description:** Fork Lift Rental.  
Please see Exhibit  
60 STI Line Item  
125.  
**Amount:** \$858.33

**Component Description:** Fork Lift Rental.  
Please see Exhibit  
60 STI Line Item  
125.  
**Amount:** \$858.33

**Component Description:** Invoice is for Sutro  
Tower work  
through 2/28  
/2018. This  
amount reflects  
fork lift rental cost.  
**Amount:** \$858.33

**Component Description:** Invoice is for Sutro  
Tower work  
through 4/30  
/2018. This  
amount reflects  
fork lift rental cost.  
**Amount:** \$858.33



	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 6/30 /2018. This amount reflects fork lift rental cost.</p> <p><b>Amount:</b> \$858.33</p>
Architectural Plans	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 5/31 /2018. This amount reflects architectural planning costs.</p> <p><b>Amount:</b> \$612.05</p> <p><b>Component Description:</b> Invoice is for Sutro Tower work through 3/31 /2018. This amount reflects architectural planning costs.</p> <p><b>Amount:</b> \$6,107.75</p> <p><b>Component Description:</b> Architectural Plans. Please see Exhibit 60 STI Line Item 54.</p> <p><b>Amount:</b> \$1,053.41</p> <p><b>Component Description:</b> Architectural Plans. Please see Exhibit 60 STI Line Item 54.</p> <p><b>Amount:</b> \$1,744.63</p>

**Component Description:** Architectural Plans. Please see Exhibit 60 STI Line Item 54.  
**Amount:** \$561.64

**Component Description:** See Exhibit 29B Page 9.  
**Amount:** \$8,439.89

**Component Description:** Invoice is for Sutro Tower work through 2/28 /2018. This amount reflects architectural planning costs.  
**Amount:** \$854.73

**Component Description:** See Exhibit 28 page 8  
**Amount:** \$10,460.43

**Component Description:** Invoice is for Sutro Tower work through 4/30 /2018. This amount reflects architectural planning costs.  
**Amount:** \$501.17

**Component Description:** Invoice is for Sutro Tower work through 1/31 /2018. This amount reflects architectural planning costs.  
**Amount:** \$1,038.80

	<p><b>Component Description:</b> See Exhibit 30B Page 30. (Corrected \$2 Discrepancy in amount May 8, 2019.) (Includes Business Class Airfare Deduction on August 28, 2019)</p> <p><b>Amount:</b> \$2,169.97</p> <p><b>Component Description:</b> See Exhibit 31 Page 13.</p> <p><b>Amount:</b> \$10,067.49</p>
Alternate Site Studies	<p><b>Component Description:</b> Invoice is for Sutro Tower work through 5/31 /2018. This amount reflects site right of entry costs.</p> <p><b>Amount:</b> \$12,916.66</p> <p><b>Component Description:</b> See Exhibit 24 Lines 1, 2, &amp; 4 which total \$93,511.11. Subtracted a one-cent compounded rounding error.</p> <p><b>Amount:</b> \$93,511.10</p>
Equipment Storage	Information not provided.
MVPD Notification of Channel Change	Information not provided.
DTV Medical Facility Notification	Information not provided.
Local Zoning	

**Component Description:** Invoice is for Sutro Tower work through 5/31 /2018. This amount reflects building permit costs.

**Amount:** \$407.31

**Component Description:** Invoice is for Sutro Tower work through 5/31 /2018. This amount reflects legal costs.

**Amount:** \$274.07

**Component Description:** Invoice is for Sutro Tower work through 3/31 /2018. This amount reflects legal fees.

**Amount:** \$509.43

**Component Description:** Building Permits. Please see Exhibit 60 STI Line Item 56.

**Amount:** \$523.29

**Component Description:** Legal Fees. Please see Exhibit 60 STI Line Item 139.

**Amount:** \$1,519.20

**Component Description:** Building Permits.  
Please see Exhibit  
60 STI Line Item  
56.  
**Amount:** \$7,529.19

**Component Description:** Legal Fees.  
Please see Exhibit  
60 STI Line Item  
139.  
**Amount:** \$634.20

**Component Description:** Building Permits.  
Please see Exhibit  
60 STI Line Item  
56.  
**Amount:** \$966.15

**Component Description:** Legal Fees.  
Please see Exhibit  
60 STI Line Item  
139.  
**Amount:** \$655.57

**Component Description:** Building Permits.  
Please see Exhibit  
60 STI Line Item  
56.  
**Amount:** \$2,174.70

**Component Description:** Legal Fees.  
Please see Exhibit  
60 STI Line Item  
139.  
**Amount:** \$551.47

**Component Description:** Building Permits.  
Please see Exhibit  
60 STI Line Item  
56.  
**Amount:** \$357.43

**Component Description:** See Exhibit 29B  
Page 9  
**Amount:** \$2,001.96

**Component Description:** See Exhibit 29A  
Page 9  
**Amount:** \$4,666.93

**Component Description:** Legal Fees.  
Please see Exhibit  
60 STI Line Item  
139.  
**Amount:** \$1,587.60

**Component Description:** See Exhibit 30B  
Page 30  
**Amount:** \$283.49

**Component Description:** See Exhibit 24  
Lines 56 and 139.  
**Amount:** \$23,130.11

**Component Description:** See Exhibit 28  
Page 8  
**Amount:** \$2,054.29

**Component Description:** See Exhibit 31  
Page 13.  
**Amount:** \$100.54

**Component Description:** See Exhibit 31  
Page 13  
**Amount:** \$197.83

**Component Description:** Invoice is for Sutro  
Tower work  
through 1/31  
/2018. This  
amount reflects  
local zoning cost.  
**Amount:** \$367.17

**Component Description:** Invoice is for Sutro  
Tower work  
through 4/30  
/2018. This  
amount reflects  
legal fees.  
**Amount:** \$238.05

**Component Description:** Invoice is for Sutro  
Tower work  
through 5/31  
/2018. This  
amount reflects  
building permit  
costs.  
**Amount:** \$704.66

**Component Description:** See Exhibit 30B  
Page 30  
**Amount:** \$705.37

**Component Description:** See Exhibit 27  
Page 8  
**Amount:** \$2,281.73

**Component Description:** See Exhibit 28  
Page 8  
**Amount:** \$537.93

**Component Description:** Invoice is for Sutro Tower work through 6/30 /2018. This amount reflects legal costs.

**Amount:** \$1,276.56

**Component Description:** Invoice is for Sutro Tower work through 1/31 /2018. This amount reflects building permits cost.

**Amount:** \$812.09

**Component Description:** Invoice is for Sutro Tower work through 2/28 /2018. This amount reflects legal fees.

**Amount:** \$934.48

**Component Description:** Invoice is for Sutro Tower work through 2/28 /2018. This amount reflects building permit cost.

**Amount:** \$67.68

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Disposal Costs (for equipment and other waste, net of any salvage value)

**Component Description:** Disposal, Removal, Patches, etc. Please see Exhibit 60 STI Line Item 123.  
**Amount:** \$4,506.66

**Component Description:** Disposal, Removal, Patches, etc. Please see Exhibit 60 STI Line Item 123.  
**Amount:** \$208.33

**Component Description:** Invoice is for Sutro Tower work through 6/30 /2018. This amount reflects disposal, removal, patches, etc. cost.  
**Amount:** \$2,218.66

**Cost Information** **Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$7,404,076.47	\$7,688,364.73	\$3,008,527.99

**Reimbursement Status**

<b>Question</b>	<b>Response</b>
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
	<p><b>Submission of Estimated Expenses Statements</b></p>	<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"> <li>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> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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> </ol>	

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.

**Andrew J Siegel**  
*Assistant Secretary*

09/24/2019

Certification	Section	Question	Response
	<b>Submission of Actual Cost Documentation Statements</b>	<p>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).</p>	
		<ol style="list-style-type: none"> <li>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> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

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

**Andrew J Siegel**  
*Assistant Secretary*

09/24/2019

## Attachments