



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **166331** | Service: **DTV** | Call **KVSN-DT** | Channel: **27 (UHF)**
ID:
File **0000028340**
Number:
FRN: **0001529627** | Date **09/04**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|--|-----------------------------|-----------------------------|---------------------------------|
| ENTRAVISION HOLDINGS, LLC Doing Business As: ENTRAVISION HOLDINGS, LLC | Mark Boelke SUITE 6000 WEST 2425 OLYMPIC BOULEVARD SANTA MONICA, CA 90404 United States | +1 (310) 447- 3870 | mboelke@entravision. 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 |
|--|---|-------------------|--------------------------|
| Samuel Hariton <i>Widely</i> | 4031 University Dr Suite 100 Fairfax, VA 22030 United States | +1 (339) 222-8107 | sam.hariton@widelity.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 | The plan is for KVSN to replace the existing Channel 48 system with a new Channel 25 antenna, new 6-1/8" line, and a new transmitter. |

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 | Visionary- DT |
| | Year | 2007 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Single |
| | Power Capacity | 15 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-24 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 16.1 kW |
| | Justification for New Transmitter | New transmitter is necessary because the existing transmitter is not capable of being retuned as the manufacturer is out of business and parts are no longer available. Capacity adjusted for high altitude |

**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 | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | The new main transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, KVSN-DT estimated the electrical work cost. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Heating and Cooling |
| | Size | 10 tons |
| | 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 **Other Transmitter Cost Not Listed**
Transmitter Information not provided.

**Interim
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|-----------------|-----------------------------------|--|
| New Transmitter | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase |
| | Manufacturer | |
| | Model | UAX1kW |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power capacity | 1 kW |
| | Justification for New Transmitter | Because KVSN is intending to install the new antenna at the same height and on the same side of the tower as the existing antenna is installed, KVSN will need to install an interim antenna/line /transmitter on a less-optimal side of the tower temporarily |

**Interim
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 | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | The new interim transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, K50LZ estimated the electrical work cost. |
| 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? | Yes |
| | Size | 128.0 square feet |

| | | |
|-------------------------|---|-----|
| 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 |
| Inside RF System | Is an additional interior RF system required to support this interim transmitter? | No |

Interim Transmitter **Other Transmitter Cost Not Listed**
Information not provided.

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 | 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 |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | 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) | 350.0 kW |
| | | |

| | |
|--------------|----------------------------|
| Manufacturer | |
| Model | ATW25H4- HTC170- 48H |
| Year | 2007 |

Primary
Antenna

New Antenna Costs

| Section | Question | Response |
|------------------------------------|--|-----------------|
| New Antenna Description | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | Yes |
| New Antenna Manufacturer and Types | Class | Full Power |
| | Mounting | Top 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) | 232.0 kW |
| | Manufacturer | |
| | | |

| | |
|-------------------------------|--|
| Model | TFU-16ETT /VP-R C170 |
| Year | 2017 |
| Justification for New Antenna | A new antenna is necessary because the existing antenna cannot be retuned to the new channel and is not capable of broadcasting on channel 25. |

Primary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|-------------------------|
| Combiner for Shared Antenna | 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 |
| Elbow Complex | Do you require the separate purchase of the Elbow Complex? | Yes |
| | Broadband or Single Channel? | Single Channel |
| | Feed Line Size | 4 1/16 inches inches |

| | | |
|---------------------------------|---|-----|
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for a high power antenna? | No |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

| Section | Question | Response |
|--|--|----------------------|
| New Antenna Description | 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? | Yes |
| New Antenna Manufacturer and Type | Class | Class A |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | 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) | 222.0 kW |
| | Manufacturer | |
| | Model | TFU-8WB- 1-R C160 |
| | Year | 2017 |

| | | |
|--|-------------------------------|---|
| | Justification for New Antenna | Because KVSN is intending to install the new antenna at the same height and on the same side of the tower as the existing antenna is installed, KVSN will need to install an interim antenna/line /transmitter on a less-optimal side of the tower temporarily. |
|--|-------------------------------|---|

Interim Antenna

Other Antenna Costs

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

**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? | Yes |

Primary
Transmission Line

Existing Transmission Line

| Section | Question | Response |
|---|--|------------------|
| Existing Transmission Line Description | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing transmission line shared with another station or stations? | No |
| | Is Transmission Line in operating condition? | Yes |
| Existing Transmission Line Manufacturer and Type | Manufacturer | |
| | Type | Rigid |
| | Diameter | 6 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 312 feet per run |

**Primary
Transmission Line**

New Transmission Line

| Section | Question | Response |
|--|---|---|
| New Transmission Line Costs | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Type | Rigid |
| | Diameter | 4 1/16 inches |
| | Other Diameter | N/A |
| | Segment Length | 19 1/2 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 312 feet per run |
| | Justification for New Transmission Line | KVSN's previous transmission line is not capable of operating on the new channel as the segment lengths are the wrong size. A new transmission line will need to be installed in order to support the new channel. |

| Primary Transmission Line | Other Transmission Line Expenses Not Listed |
|---------------------------|---|
| Information not provided. | |

**Interim
Transmission Line**

New Transmission Line

| Section | Question | Response |
|--|---|--|
| New Transmission Line Costs | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Type | Flexible Air |
| | Diameter | 1 5/8 inches |
| | Segment Length | N/A |
| | Other Segment Length | |
| | Number of parallel runs | 1 |
| | Length | 312 feet per run |
| | Justification for New Transmission Line | Because KVSN is intending to install the new antenna at the same height and on the same side of the tower as the existing antenna is installed, KVSN will need to install an interim antenna/line /transmitter on a less- optimal side of the tower temporarily |

| Interim | Other Transmission Line Expenses Not Listed |
|-------------------|---|
| Transmission Line | 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? | Terrain Constrained |
| | Is this tower currently shared with any other stations? | No |
| | One or more FM, AM or TV radio broadcaster(s) | N/A |
| | Others Types of Users | N/A |
| | Is tower documented for structural analysis? | No |
| | Is tower compliant with Rev G? | Yes |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1257453 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 38° 44' 41.9" N- |
| | Longitude (NAD83) | 104° 51' 39.4" W- |
| | Overall Structure Height | 296.91 feet |
| | Support Structure Height | 250.00 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 9386.04 feet |
| | | |

| | | |
|--|------------------|--|
| | Structure Type | TOWER - Free Standing or Guyed Structure |
| | Tower Owner | CHEYENNE PROPAGATION |
| | Date Constructed | 07/02/2008 |

Primary Tower

Tower Modification Costs

| Section | Question | Response |
|----------------------|--|--|
| Engineering Study | Please what type of engineering study is required, if any: | Study needed for undocumented /poorly documented tower |
| 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 | Terrain constrained |
| Helicopter Services Required | Are helicopter services required? | No |

Primary Tower

Other Tower Expenses Not Listed

| Name | Description |
|---------------------|-------------------------------------|
| Structural Analysis | Broadcast Tower Structural Analysis |

**Outside
Professional**

| Section | Question | Response |
|---|--|---|
| Services Costs Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 712 |
| | Explanation | KVSN-DT does not have sufficient resource capacity and expertise inhouse to handle all of the reimbursement filing by the construction deadline for Phase 8 on March 13, 2020. KVSN-DT will hire an outside firm to ensure a timely and well managed transition |
| 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 | No |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | 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 | No |
| | For Main Facility | Yes |
| | Prepare and file Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | Yes |
| | Quantity | 1 |
| | NEPA Section 106 environmental review | Yes |
| | Environmental Assessment | Yes |
| | ASR Modification | Yes |
| | FAA Consultation (including preparation of FAA Form 7460) | Yes |
| | 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 | No |
| | RF exposure measurements | Yes |
| | Additional Field Engineering Service | No |
| | Number of Days | N/A |

| | | |
|--|---------------|-----|
| | Justification | N/A |
|--|---------------|-----|

Outside Other Professional Services Expenses Not Listed
Professional Services Costs Services not provided.

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 | Yes |
| | BLM or NFS Coordination | No |
| | FCC Construction Permit Minor Change | No |
| | 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? | No |
| | 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 |
| | Information not provided. |

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 |
|---|-----------------------------|---------------------|--------------------------------|---------------------|---------------------------|
| Interim Transmitter UAX1kW | \$135,500.00 | \$129,500.00 | | \$0.00 | |
| Other -- Building Addition Size: 128.0 | <i>\$6,000.00</i> | \$6,000.00 | N/A | N/A | N/A |
| Other Electrical Service: The new interim transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, K50LZ estimated the electrical work cost. | <i>\$3,500.00</i> | \$3,500.00 | See quote from Encore Electric | N/A | N/A |
| UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW | \$126,000.00 | \$120,000.00 | N/A | N/A | N/A |
| Primary Transmitter ULXTE-24 | \$1,003,576.05 | \$572,152.10 | | \$255,576.05 | |
| 10 Ton system | \$60,500.00 | \$57,500.00 | N/A | N/A | N/A |

| | | | | | |
|--|---------------------|----------------|---|--------------|-----|
| Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, KVSN-DT estimated the electrical work cost. | \$3,500.00 | \$3,500.00 | See quote from Encore Electric | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW | \$684,000.00 | \$255,576.05 | N/A | N/A | N/A |
| UHF - Air Cooled Solid State Transmitter 15.6 kW | \$255,576.05 | \$255,576.05 | ***System Notice: Estimate adjusted and locked because line has been superseded. *** | \$255,576.05 | N/A |
| Sub-total | \$1,139,076.05 | \$701,652.10 | N/A | \$255,576.05 | N/A |
| Total for all systems | \$3,430,520.00 | \$2,584,962.73 | N/A | \$617,583.95 | N/A |

Components

| Actual Information | |
|---|---------------------------|
| Description | File Name |
| Other -- Building Addition Size: 128.0 | Information not provided. |

| | |
|---|---|
| Other Electrical Service: The new interim transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, K50LZ estimated the electrical work cost. | Information not provided. |
| UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW | Information not provided. |
| 10 Ton system | Information not provided. |
| Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, KVSN-DT estimated the electrical work cost. | Information not provided. |
| UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW | Information not provided. |
| UHF - Air Cooled Solid State Transmitter 15.6 kW | <div> <div> Component Description: </div> <div> New 1st Primary Transmitter </div> </div> <div> <div> Amount: </div> <div> \$255,576.05 </div> </div> |

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 |
|--|-----------------------------|---------------------|---------------------------------------|---------------------|---------------------------|
| Interim Antenna TFU-8WB-1-R C160 | \$180,000.00 | \$180,000.00 | | \$0.00 | |
| UHF - Lower Power, Side Mount, Class A, basic slot antenna, 222 kW input, directional,, horizontally polarized | <i>\$180,000.00</i> | \$180,000.00 | N/A | N/A | N/A |
| Primary Antenna TFU-16ETT /VP-R C170 | \$305,800.00 | \$203,899.00 | | \$155,429.10 | |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00 | \$185,844.00 | Dielectric Quote 513321 JKT Rev 1 & 5 | \$148,179.60 | N/A |

| | | | | | |
|---|----------------|----------------|----------------------------|--------------|-----|
| Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed) | \$9,570.00 | \$8,055.00 | N/A | \$7,249.50 | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$10,000.00 | See quote from Chuck Britt | N/A | N/A |
| Sub-total | \$485,800.00 | \$383,899.00 | N/A | \$155,429.10 | N/A |
| Total for all systems | \$3,430,520.00 | \$2,584,962.73 | N/A | \$617,583.95 | N/A |

Components

| Actual Information | |
|--|---------------------------|
| Description | File Name |
| UHF - Lower Power, Side Mount, Class A, basic slot antenna, 222 kW input, directional,, horizontally polarized | Information not provided. |

| | | | | | |
|---|---|--|---|--|---|
| <p>UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized</p> | <table> <tr> <td data-bbox="711 100 1101 828"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1101 100 1430 828"> <p>UHF - High /Medium Power Top Mount; Other VPOL components; Other wedding cake adapter for top mount antenna; Other elbow complex kit; Rigid transmission line - copper; Rigid transmission line; etc.</p> <p>\$74,089.80</p> </td></tr> <tr> <td data-bbox="711 828 1101 1086"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1101 828 1430 1086"> <p>UHF - High/ Medium Power Top</p> <p>\$74,089.80</p> </td></tr> </table> | <p>Component Description:</p> <p>Amount:</p> | <p>UHF - High /Medium Power Top Mount; Other VPOL components; Other wedding cake adapter for top mount antenna; Other elbow complex kit; Rigid transmission line - copper; Rigid transmission line; etc.</p> <p>\$74,089.80</p> | <p>Component Description:</p> <p>Amount:</p> | <p>UHF - High/ Medium Power Top</p> <p>\$74,089.80</p> |
| <p>Component Description:</p> <p>Amount:</p> | <p>UHF - High /Medium Power Top Mount; Other VPOL components; Other wedding cake adapter for top mount antenna; Other elbow complex kit; Rigid transmission line - copper; Rigid transmission line; etc.</p> <p>\$74,089.80</p> | | | | |
| <p>Component Description:</p> <p>Amount:</p> | <p>UHF - High/ Medium Power Top</p> <p>\$74,089.80</p> | | | | |
| <p>Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)</p> | <table> <tr> <td data-bbox="711 1086 1101 1344"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1101 1086 1430 1344"> <p>Primary Antenna Elbow Complex</p> <p>\$3,624.75</p> </td></tr> <tr> <td data-bbox="711 1344 1101 1601"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1101 1344 1430 1601"> <p>KVSN Elbow Complex New Primary Antenna</p> <p>\$3,624.75</p> </td></tr> </table> | <p>Component Description:</p> <p>Amount:</p> | <p>Primary Antenna Elbow Complex</p> <p>\$3,624.75</p> | <p>Component Description:</p> <p>Amount:</p> | <p>KVSN Elbow Complex New Primary Antenna</p> <p>\$3,624.75</p> |
| <p>Component Description:</p> <p>Amount:</p> | <p>Primary Antenna Elbow Complex</p> <p>\$3,624.75</p> | | | | |
| <p>Component Description:</p> <p>Amount:</p> | <p>KVSN Elbow Complex New Primary Antenna</p> <p>\$3,624.75</p> | | | | |
| <p>Sweep test of existing antenna</p> | <p>Information not provided.</p> | | | | |

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 |
|---|-----------------------------|-----------------------|--|---------------------|---------------------------|
| Interim Transmission Line | \$10,296.00 | \$9,672.00 | | \$0.00 | |
| Flexible Air Transmission Line - dielectric, 1 5/8" | \$10,296.00 | \$9,672.00 | N/A | N/A | N/A |
| Primary Transmission Line | \$44,304.00 | \$43,052.80 | | \$38,747.52 | |
| Rigid Transmission Line - copper, 4 1/16" | \$44,304.00 | \$43,052.80 | Please see Dielectric quote #513321JKT Rev 5 dated 9/27/2018 (uploaded to LMS) | \$38,747.52 | N/A |
| Sub-total | \$54,600.00 | \$52,724.80 | N/A | \$38,747.52 | N/A |
| Total for all systems | \$3,430,520.00 | \$2,584,962.73 | N/A | \$617,583.95 | N/A |

Components

| Actual Information | |
|---|---------------------------|
| Description | File Name |
| Flexible Air Transmission Line - dielectric, 1 5/8" | Information not provided. |

| | | |
|--|-------------------------------|-------------------|
| Rigid Transmission Line - copper, 4 1/16" | Component Description: | Primary |
| | | Transmission Line |
| | Amount: | \$19,373.76 |
| | | |
| | Component Description: | KVSN Primary |
| | | Transmission Line |
| | Amount: | \$19,373.76 |
| | | |

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 | \$1,501,207.95 | \$1,207,371.83 | | \$99,946.83 | |
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00 | \$10,463.88 | see Estimated Cost Justification KVSN-410-Tower Mapping Existing Primary Tower v0 | \$10,463.88 | . |
| Serious tower reinforcement /modifications | \$1,052,000.00 | \$795,000.00 | N/A | \$87,575.00 | N/A |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$400,000.00 | N/A | N/A | N/A |
| Structural Analysis | \$1,907.95 | \$1,907.95 | Broadcast Tower Structural Analysis | \$1,907.95 | N/A |
| Sub-total | \$1,501,207.95 | \$1,207,371.83 | N/A | \$99,946.83 | N/A |
| Total for all systems | \$3,430,520.00 | \$2,584,962.73 | N/A | \$617,583.95 | N/A |

Components

| Actual Information | | |
|---|-------------------------------|---|
| Description | File Name | |
| Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study | Component Description: | Tower mapping and prep of documentation necessary for tower load study |
| | Amount: | \$9,078.50 |
| | Component Description: | For site survey performed at KVSN on Cheyenne Mt Colorado Springs, Facility #166331 between 3 and 5 Oct 2018. |
| | Amount: | \$1,385.38 |
| Serious tower reinforcement /modifications | Component Description: | Per Proposal#061917JS10, 50% due upon acceptance. Total contract price: |
| | Amount: | \$175,150.00 \$87,575.00 |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | Information not provided. | |
| Structural Analysis | Component Description: | Broadcast Tower Structural Analysis |
| | Amount: | \$1,907.95 |

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 | \$189,506.00 | \$179,550.00 | | \$67,884.45 | |
| RF Exposure Measurements | \$21,050.00 | \$20,000.00 | N/A | N/A | N/A |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | \$2,105.00 | \$2,000.00 | 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 - Negotiation of lease and other matters for shared locations | \$4,210.00 | \$4,000.00 | N/A | N/A | N/A |
| Project management of the transition | \$112,496.00 | \$106,800.00 | N/A | \$62,571.95 | N/A |
| NEPA Section 106 environmental review, if needed | \$6,310.00 | \$6,000.00 | N/A | N/A | N/A |

| | | | | | |
|---|-------------|-------------|-----|------------|-----|
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | \$10,520.00 | \$10,000.00 | N/A | N/A | N/A |
| ASR modification (prepare FCC Form 854) | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | \$2,437.50 | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | \$2,875.00 | 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 |
| Prepare request for Special Temporary Authorization | \$2,050.00 | \$1,500.00 | N/A | N/A | N/A |

| | | | | | |
|--|----------------|----------------|-----|--------------|-----|
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | 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 | N/A | 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 and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | N/A | N/A |
| Sub-total | \$189,506.00 | \$179,550.00 | N/A | \$67,884.45 | N/A |
| Total for all systems | \$3,430,520.00 | \$2,584,962.73 | N/A | \$617,583.95 | N/A |

Components

| Actual Information | |
|--|---------------------------|
| Description | File Name |
| RF Exposure Measurements | Information not provided. |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | Information not provided. |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | Information not provided. |

| | | |
|---|---|----------------------------------|
| Attorney Fees - Negotiation of lease and other matters for shared locations | Information not provided. | |
| Project management of the transition | Component Description: Amount: | Project Management \$2,814.90 |
| | Component Description: Amount: | Project Management \$2,231.60 |
| | Component Description: Amount: | Project Management \$2,472.95 |
| | Component Description: Amount: | Project management \$148.20 |
| | Component Description: Amount: | Project Management \$2,346.90 |
| | Component Description: Amount: | Project Management \$1,763.45 |
| | Component Description: Amount: | Project Management \$1,815.05 |
| | Component Description: Amount: | Project Management \$3,130.75 |

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|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$2,734.10 |

| | |
|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$3,768.75 |

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|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$2,540.60 |

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|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$3,091.65 |

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|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$2,190.75 |

| | |
|-------------------------------|----------------------|
| Component Description: | Project managment |
| Amount: | \$1,193.70 |

| | |
|-------------------------------|-----------------------|
| Component Description: | Project management |
| Amount: | \$2,286.95 |

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| Component Description: | Project Management |
| Amount: | \$1,653.00 |

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|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$3,540.40 |

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| Component Description: | Project Management |
| Amount: | \$1,989.85 |

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|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$1,637.85 |

| | |
|-------------------------------|-----------------------|
| Component Description: | Project management |
| Amount: | \$2,091.70 |

| | |
|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$1,482.40 |

| | |
|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$2,302.55 |

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|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$1,836.10 |

| | |
|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$2,575.45 |

| | |
|-------------------------------|-----------------------|
| Component Description: | Project management |
| Amount: | \$1,610.85 |

| | |
|-------------------------------|-----------------------|
| Component Description: | Project Management |
| Amount: | \$1,709.10 |

| | | |
|---|---|--|
| | Component Description: Amount: | Project Management \$3,780.65 |
| | Component Description: Amount: | Project management \$778.60 |
| | Component Description: Amount: | Project management \$1,053.15 |
| NEPA Section 106 environmental review, if needed | Information not provided. | |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | Information not provided. | |
| ASR modification (prepare FCC Form 854) | Information not provided. | |
| Perform engineering study for new channel assignment and antenna development | Component Description: Amount: | Engineering study work for new channel assignment including antenna development \$437.50 |
| | Component Description: Amount: | Prep of the engineering section of a 1st Priority Window Application to move from channel 25 to channel 27 \$2,000.00 |
| | | |

| | | | |
|--|-------------------------------|--|---|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | Component Description: | | Preparation of the engineering section of FCC |
| | Amount: | | From 2100 |
| | | | \$2,000.00 |
| | Component Description: | | Preparation of the engineering section of FCC |
| | Amount: | | From 2100 |
| | | | \$875.00 |
| | | | |
| | | | |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. | | |
| Prepare request for Special Temporary Authorization | Information not provided. | | |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided. | | |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. | | |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. | | |
| Prepare and or review reimbursement form | 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 | \$60,330.00 | \$59,765.00 | | \$0.00 | |
| Non-zoning permits | <i>\$2,500.00</i> | \$2,500.00 | N/A | N/A | N/A |
| Local Zoning | <i>\$5,000.00</i> | \$5,000.00 | N/A | N/A | N/A |
| MVPD Notification of Channel Change | <i>\$750.00</i> | \$750.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | <i>\$15,000.00</i> | \$15,000.00 | N/A | N/A | N/A |
| Equipment Storage | <i>\$15,000.00</i> | \$15,000.00 | N/A | N/A | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$10,000.00</i> | \$10,000.00 | N/A | N/A | 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 |

| | | | | | |
|---|----------------|----------------|-----|--------------|-----|
| DTV Medical Facility Notification | \$11,550.00 | \$11,000.00 | N/A | N/A | N/A |
| Sub-total | \$60,330.00 | \$59,765.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,430,520.00 | \$2,584,962.73 | N/A | \$617,583.95 | N/A |

Components

Information not provided.

| | | | |
|-------------------------|------------------------------|------------------------------------|-----------------------|
| Cost Information | Grand Total | | |
| | | Predetermined Cost Estimate | Estimated Cost |
| | | | Actual Cost |
| | Total for all systems | \$3,430,520.00 | \$2,584,962.73 |
| | | | \$617,583.95 |

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

| Certification | Section | Question | Response |
|---------------|---|---|----------|
| | Submission of Estimated Expenses Statements | <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.

| | |
|---|---|
| <p>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.</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>Manuel Cavazos , III . <i>EVP - Director of Technology</i></p> <p>09/04/2019</p> |

| 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.

| | |
|--|---|
| <p>8. The above-named entity acknowledges that overpayments or payments in error 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>Manuel Cavazos , III . <i>EVP - Director of Technology</i></p> <p>09/04/2019</p> |

| Certification | Section | Question | Response |
|---------------|---|--|----------|
| | Submission of Final Allocation or Accounting Information 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 and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. | |

3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
4. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
6. 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.

Manuel Cavazos , III .
EVP - Director of Engineering

09/04/2019

Attachments