## FCC Form 399:

Reimbursement Request

| Facility 59014 | Service: DTV | Call | KOAA-TV | Channel: 25 (UHF) |
| :---: | :---: | :---: | :---: | :---: |
| ID: |  | Sign: |  |  |
| File 00000 | 8162 |  |  |  |
| Number: |  |  |  |  |
| FRN: 0002710192 | Date | 03/29 |  |  |
|  | Submitted: | /2021 |  |  |


| Applicant Information | Applicant Name, Type, and Contact Information |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Applicant | Address | Phone | Email | Applicant Type |
|  | SCRIPPS | Dave Giles | +1 (513) | dave. | Limited |
|  | BROADCASTING | C/O SCRIPPS | 977-3000 | giles@scripps. | Liability |
|  | Holdings llc | MEDIA, INC. |  | com | Company |
|  |  | 312 Walnut ST |  |  |  |
|  |  | 28th Floor |  |  |  |
|  |  | Cincinnati, OH |  |  |  |
|  |  | 45202 |  |  |  |
|  |  | United States |  |  |  |

Reimbursement Roursement Contact Name and Information
Applicant Address Phone Email
[Confidential]

Preparer Contact Name and Information

| Applicant | Address | Phone | Email |
| :--- | :--- | :--- | :--- |
| Ray Thurber | Ray Thurber | $+1(248)$ | ray. |
| SCRIPPS BROADCASTING | 312 WALNUT | $827-9202$ | thurber@scripps. |
| HOLDINGS LLC | STREET |  | com |
|  | 28TH FLOOR |  |  |
|  | CINCINNATI, |  |  |
|  | OH 45202 |  |  |
|  | United States |  |  |
|  |  |  |  |


| Broadcaster <br> Information <br> and | Question | Response |
| :--- | :--- | :--- |
| Transition the station be sharing equipment with <br> Plan | another broadcast television station or <br> stations (e.g., a shared antenna, co-location <br> on a tower, use of the same transmitter <br> room, multiple transmitters feeding a <br> combiner, etc.)? If yes, enter the facility ID's <br> of the other stations and click 'prefill' to <br> download those stations' licensing <br> information. | No |
|  | Briefly describe transition plan Continue operation on existing tower, <br> transmission line and antenna. Build a new <br> tower and install new transmission line and <br> antenna. Modification of the existing tower <br> is more expensive than the new tower <br> construction. |  |


| Transmitters | Section | Question | Response |
| :--- | :--- | :--- | :--- |
| Transmitter Related <br> Expenses | Do you have transmitter related expenses? | Yes |  |

Primary
Transmitter
Existing Transmitter Information

| Section | Question | Response |
| :---: | :---: | :---: |
| Existing Transmitter Description | Type of change | Purchase <br> 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 |  |
|  | Model | SigmaCD |
|  | Year | 2004 |
|  | Type | Inductive Output Tube |
|  | IOT Power Type | Single |
|  | Power Capacity | 23.6 kW |


| Primary Transmitter | New Transmitter Costs |  |  |
| :---: | :---: | :---: | :---: |
|  | Section | Question | Response |
|  | New Transmitter | Use | Primary (Main) |
|  |  | Change Type | Purchase <br> New |
|  |  | Is this a request for upgraded equipment? | Yes |
|  |  | Manufacturer |  |
|  |  | Model | ULXTE-50 |
|  |  | Transmitter Type | Solid State |
|  |  | Solid State Cooling | Liquid <br> Cooled |
|  |  | Solid State Power capacity | 31.7 kW |
|  |  | Justification for New Transmitter | Existing transmitter will not retune to new frequency. |

Primary Other Transmitter Costs Transmitter

| Section | Question | Response |
| :--- | :--- | :--- | :--- |
| Electrical Service | Service Entrance (3 phases 800A 208V) | Yes |
|  | Switchgear (industrial 800 amp) | Yes |
|  | Transformer (480V) | Yes |
|  | Power | 300 kVA |
|  | Rigid Conduit and Wiring | Yes |
|  | Size | 4. inches |
|  | Length | 200.0 feet |
|  | Other Electrical Service | Yes |


| Description | The <br> replacement <br> of power <br> company pole <br> transformers <br> and power <br> lines between <br> power pole <br> transformers <br> and the <br> building is <br> needed to <br> accommodate <br> the added <br> load during <br> the transition <br> period. |  |
| :--- | :--- | :--- |
| HVAC Service |  |  |
|  | Does the replacement transmitter require | Yes |
| HVAC Service? |  |  |

Primary

## Other Transmitter Cost Not Listed

| Name | Description |
| :--- | :--- |
| Primary Transmitter Other Expenses | Primary Transmitter Other Expenses |
| Old transmitter DE-INSTALL | DE-INSTALL of old transmitter and all <br> associated equipment. |

## 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 <br> 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? | No |
| Existing Antenna <br> Manufacturer and Type | Class | Full Power |
|  | Mounting | Side Mount |
|  | Antenna position in stack | Middle |
|  | Polarization | Elliptical |
|  | Type | Slotted <br> 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) | 880.0 kW |


| Manufacturer |  |
| :--- | :--- |
| Model | TFU |
|  | $24 D S B$ |
|  | C270 (SP) |
|  | $(C)$ |
| Year | 2006 |


| Section | Question | Response |
| :---: | :---: | :---: |
| New Antenna Description | Use | Primary (Main) |
|  | Description of Use | N/A |
|  | Change Type | Purchase <br> 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? | No |
| New Antenna Manufacturer and Types | Class | Full Power |
|  | Mounting | Side Mount |
|  | Antenna position in stack | Not in Stack |
|  | Polarization | Elliptical |
|  | Type | Slotted <br> 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 |  |

\(\left.$$
\begin{array}{|l|l|}\hline \text { Model } & \begin{array}{l}\text { TFU-23JSC } \\
\text { /VP-R } \\
\text { C270 D25 }\end{array}
$$ <br>
PER C- <br>

70120-4\end{array}\right]\)\begin{tabular}{ll}

\hline Year \& | The |
| :--- |
| existing |
| antenna |
| can not be |
| re tuned to |
| the new |
| frequency. | <br>

\hline \& <br>
\hline
\end{tabular}

| Primary <br> 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 <br> Channel |
|  |  | Feed Line Size | 4 1/16 <br> inches inches |
|  | Side Mount Brackets | Do you require the separate purchase of side mount brackets for a high power antenna? | Yes |


| Pattern Scatter Analysis | Do you require separate purchase of <br> pattern scatter analysis for a side mount <br> high or medium power antenna? | Yes |
| :--- | :--- | :--- |
| Sweep Test | Do you require the sweep testing of <br> transmission line and antenna? | Yes |

Primary
Other Antenna Cost Not Listed
Antenna Information not provided.

| TransmissionSeffiien | Question | Response |
| :---: | :--- | :--- |
| Transmission Line <br> Related Expenses | Do you have transmission line related <br> expenses? | Yes |


| Primary Existing Transmission Line |  |  |
| :---: | :---: | :---: |
| Transmissionseititon | Question | Response |
| Existing Transmission Line Description | Type of change | Purchase <br> 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 | $\begin{aligned} & 4 \text { 1/16 } \\ & \text { inches } \end{aligned}$ |
|  | Other Diameter | N/A |
|  | Segment Length | 20 inches |
|  | Other Segment Length | N/A |
|  | Number of parallel runs | 1 |
|  | Length | 260 feet <br> per run |


| Primary New Transmission Li |  |  |
| :---: | :---: | :---: |
| Transmissionsection | Question | Response |
| New Transmission Line Costs | Use | Primary (Main) |
|  | Description of Use | N/A |
|  | Change Type | Purchase <br> New |
|  | Is this a request for upgraded equipment? | No |
|  | Type | Rigid |
|  | Diameter | 4 1/16 inches |
|  | Other Diameter | N/A |
|  | Segment Length | 20 inches |
|  | Other Segment Length | N/A |
|  | Number of parallel runs | 22 |
|  | Length | 20 feet per run |
|  | Justification for New Transmission Line | Both <br> transmitters have to be on the air at the same time for the transition period. Continued operation of current transmitter on current tower, and new transmitter on new tower. |

Primary
Other Transmission Line Expenses Not Listed
Transmissionnbimetion not provided.

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

Primary Tower

## Existing Tower

| Section | Question | Response |
| :---: | :---: | :---: |
| Existing Tower Description | Type of change | Construct New |
|  | Tower Use | Primary (Main) |
|  | Description of Use | N/A |
|  | Ownership | Leased |
|  | Is this tower consider Complex? | Terrain <br> 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? | Yes |
|  | Is tower compliant with Rev G? | No |
| Existing Tower <br> Structure Registration | Do you have a tower registration number? | No |
|  | ASR Number |  |
| Coordinates (NAD83 ( North American Datum of 1983)) | Latitude (NAD83) | 38 ${ }^{\circ} 44^{\prime} 42.0{ }^{\prime \prime} \mathrm{N}$ - |
|  | Longitude (NAD83) | $\begin{aligned} & 104^{\circ} 51^{\prime} 41.0 " \\ & \text { W- } \end{aligned}$ |
|  | Overall Structure Height | 220.00 feet |
|  | Support Structure Height | 150.00 feet |
|  | Ground Elevation Above Mean Sea Level (AMSL) | 9430.00 feet |


| Structure Type | GTOWER - <br> Guyed <br> Structure Used <br> for <br> Communication <br> Purposes |
| :--- | :--- |
| Tower Owner | Cheyenne <br> Propagation |
| Date Constructed | $06 / 01 / 1978$ |

Primary Tower

Primary Tower

Primary Tower

Tower Construction Costs

| Section | Question | Response |  |
| :--- | :--- | :--- | :--- |
| Construct New Tower | Use | Primary <br> (Main) |  |
|  | Description of Use | N/A |  |
|  | Is this a request for upgraded equipment? | No |  |
|  | Height | 199.00 feet $\operatorname{Justification~for~New~Tower~}$ | New tower <br> construction <br> cost less <br> than <br> modifications <br> needed to <br> the existing <br> 1978 tower. |
|  |  |  |  |

Tower Rigging Costs

| Section | Question | Response |
| :--- | :--- | :--- |
| Tower Rigging Costs | Complex Tower | Terrain <br> constrained |
| Helicopter Services <br> Required | Are helicopter services required? | No |

## Other Tower Expenses Not Listed

| Name | Description |
| :--- | :--- |
| Move Existing STL Dish to New Tower | Move Existing STL Dish to New Tower |


| Outside | Section | Question | Response |
| :---: | :---: | :---: | :---: |
| Professional Services Costs Outside Project <br> Management Services |  | Do you require outside project management services? | Yes |
|  |  | Number of Hours | 595 |
|  |  | Explanation | reimbursement <br> filing, expense <br> tracking, <br> vendor <br> coordination, <br> progress <br> reporting, <br> budget <br> creation, <br> budget review, <br> budget <br> tracking, daisy- <br> chain <br> monitoring and <br> all other <br> activities <br> necessary |
|  | 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 | No |
|  |  | Quantity | N/A |
|  |  | 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 | No |
|  | ASR Modification | Yes |
|  | FAA Consultation (including preparation of FAA Form 7460) | Yes |
|  | Negotiation of Lease and other Matter for Shared Locations | No |
|  | Prepare or Review FCC Form 399 for Reimbursement | Yes |
|  | Address transition timing and coordination issues w/ other stations and wireless providers | No |
| RF Field Engineering Services | Comprehensive coverage verification via field study | Yes |
|  | RF exposure measurements | Yes |
|  | Additional Field Engineering Service | No |
|  | Number of Days | N/A |
|  | Justification | N/A |


| Other Professional Services Expenses Not Listed |  |
| :---: | :---: |
| Professional Fephyjces Costs | Description |
| Engineering study | coverage mapping of new channel assignment and equipment |
| KOAA repack 28 to repack 25 by Entravision | Entravision in Denver wants to be placed on channel 28. This move forces KOAA to move to channel 25. Co-channel to channel 24 KRDO. Additional studies are required. |
| New Tower design analysis | Tower load analysis and deign for new tower |

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 | No |
|  | 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 | No |
| Other Miscellaneous Expenses | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)? | Yes |
|  | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes |
|  | Does this relocation require Equipment Storage? | Yes |
|  | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | Yes |
|  | Does this relocation require MVPD Notification of a Channel Change? | Yes |


| Other | Other Expenses Not Listed |  |
| :--- | :--- | :--- |
| Expenses | Name |  |
|  | Equipment Rental | Description |

## Transmitters

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

|  | Predetermined <br> Cost Estimate | Estimated <br> Cost | Estimated Cost <br> Justification | Actual Cost |
| :--- | :---: | :--- | :--- | :--- | :--- | :--- | | Actual Co |
| :---: |
| Justificati |


| Other <br> Electrical | \$65,000.00 | \$65,000.00 | replacing transformers, feedline to building, and pole install. | \$0.00 | N/A |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Service: The replacement of power |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| company pole transformers |  |  |  |  |  |
|  |  |  |  |  |  |
| and power |  |  |  |  |  |
| lines between |  |  |  |  |  |
| power pole |  |  |  |  |  |
| transformers |  |  |  |  |  |
| and the |  |  |  |  |  |
| building is |  |  |  |  |  |
| needed to |  |  |  |  |  |
| accommodate |  |  |  |  |  |
| the added |  |  |  |  |  |
| load during |  |  |  |  |  |
| the transition |  |  |  |  |  |
| period. |  |  |  |  |  |
| 4." Rigid Conduit and | \$12,000.00 | \$12,000.00 | N/A | \$0.00 | N/A |
|  |  |  |  |  |  |
| Wiring |  |  |  |  |  |
| Transformer 3 phase/480v 300 KVA | \$36,800.00 | \$0.00 | Colorado | \$0.00 | N/A |
|  |  |  | Springs Utility is |  |  |
|  |  |  | not charging for |  |  |
|  |  |  | this |  |  |
|  |  |  | "Transformer 3 |  |  |
|  |  |  | phase/480V- |  |  |
|  |  |  | 300KVA" |  |  |
|  |  |  | upgrade. This |  |  |
|  |  |  | expense went |  |  |
|  |  |  | from \$35,850.00 |  |  |
|  |  |  | to \$0 |  |  |
| Switchgear industrial 800 amp | \$38,200.00 | \$67,479.00 | Both transmitters | \$46,332.00 | N/A |
|  |  |  |  |  |  |
|  |  |  | must be ran on |  |  |
|  |  |  | the same |  |  |
|  |  |  | electrical |  |  |
|  |  |  | service at the |  |  |
|  |  |  | same time, |  |  |
|  |  |  | requiring added |  |  |
|  |  |  | capacity.. |  |  |

$\left.\begin{array}{llllll}\hline \begin{array}{l}\text { Service } \\ \text { entrance 3 } \\ \text { phase/800 } \\ \text { amp/208 volt }\end{array} & \$ 14,400.00 & \$ 46,216.00 & \begin{array}{c}\text { Both } \\ \text { transmitters } \\ \text { must be ran on } \\ \text { the same } \\ \text { electrical }\end{array} & \$ 46,216.00 & \mathrm{~N} / \mathrm{A} \\ \text { service at the } \\ \text { same time } \\ \text { requiring } \\ \text { additional } \\ \text { capacity. }\end{array}\right)$

## Components

## Actual Information <br> Description <br> File Name

| UHF - Liquid Cooled Solid State Transmitter 31.7 kW | Component Description: <br> Amount: | Credit Memo - <br> The station was partially reimbursed for an upgraded transmitter (ULXTE-50) and should only have been reimbursed for the comparable transmitter size (ULXTE-24). (\$17,772.45) |
| :---: | :---: | :---: |
|  | Component Description: Amount: | Transmitter $\$ 10,164.41$ |
|  | Component Description: <br> Amount: | 1/3 payment on ULXTE-50 Transmitter prior to shipment \$309,426.19 |
|  | Component Description: <br> Amount: | 1/3 down payment on ULXTE-50 <br> Transmitter package \$303,234.71 |
| Primary Transmitter Other Expenses | Component Description: Amount: | Freight $\$ 1,643.76$ |

\(\left.$$
\begin{array}{l|ll}\hline \text { Old transmitter DE-INSTALL } & \text { Component Description: } & \begin{array}{l}\text { Deinstall of } \\
\text { CD3070p1. } \\
\text { Includes canceled }\end{array}
$$ <br>
check showing <br>
payment made. <br>

\$18,280.85\end{array}\right]\)| Amount: |
| :--- |
|  |
|  |

Switchgear - industrial 800 amp

| Component Description: Amount: | partial invoicing and payment of switch gear at KOAA 6236 <br> Transmitter Lane Site. |
| :---: | :---: |
| Amount: |  |
| Component Description: <br> Amount: | Switch gear for transmitter project. $\$ 33,614.00$ |
| Component Description: | Please deny this invoice. Invoice has been resubmitted |
| Amount: | N/A |
| Component Description: | partial invoicing \& payment for switchgear at KOAA 6236 <br> Transmitter Lane Site |
| Amount: | \$33,614.00 |

Service entrance 3 phase

| Component Description: | 1 of 2 invoices for service of KOAA 6236 Transmitter lane site |
| :---: | :---: |
| Amount: | \$5,922.00 |
| Component Description: | 1 of 2 invoices for service on KOAA 6236 Transmitter Lane site |
| Amount: | \$40,294.00 |
| Component Description: | Install new electrical service for transmitter. |
| Amount: | \$5,922.00 |
| Component Description: | Install new electric service for transmitter. |
| Amount: | \$40,294.00 |

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

|  |  |  | Estimated <br> Cost |  |  |
| :--- | :---: | :--- | :--- | :--- | :--- |
| Description | Cost Estimate | Cost | Estimated <br> Custification | Actual Cost | Actual Cost <br> Justification |
| Primary | $\$ 272,377.10$ | $\$ 249,686.20$ |  | $\$ 229,681.94$ |  |
| Antenna |  |  |  |  |  |
| TFU-23JSC |  |  |  |  |  |
| VP-R C270 |  |  |  |  |  |
| D25 PER C- |  |  |  |  |  |
| 70120-4 |  |  |  |  |  |

scatter
analysis for
side mount
high/med
power
antennas
(if not
included in
antenna
base cost)


| UHF - High <br> Power, <br> Side <br> Mount, <br> basic slot <br> antenna, <br> 1000 kW <br> input, <br> directional,, <br> elliptically <br> or circularly <br> polarized | \$227,667.10 | \$227,667.10 | Previous antenna could not be retuned to new frequency. | \$219,062.84 | N/A |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$0.00 | N/A |
| Sub-total | \$272,377.10 | \$249,686.20 | N/A | \$229,681.94 | N/A |
| Total for all systems | \$3,044,041.35 | \$2,665,352.59 | N/A | \$1,973,026.74 | N/A |

## Components

| Actual Information <br> Description | File Name |  |
| :--- | :--- | :--- |
| Pattern scatter analysis for <br> side mount high/med power <br> antennas (if not included in <br> antenna base cost) | Information not provided. |  |
| Side mount brackets for high <br> power antennas (if not <br> included in antenna base <br> cost) | Information not provided. |  |
| Elbow complex, single <br> channel, at antenna input, <br> per $41 / 16$. feedline (if <br> needed) | Component Description: <br> Amount: | Dielectric materials <br> $\$ 10,619.10$ |


| UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized | Component Description: Amount: | 2nd 45\% payment prior to shipment on antenna purchase. \$102,454.70 |
| :---: | :---: | :---: |
|  | Component Description: <br> Amount: | CO Sales TaxInvoice \$13,500.45 |
|  | Component Description: <br> Amount: | CO Sales Tax - <br> Invoice 489001 <br> \$652.99 |
|  | Component Description: Amount: | UHF antenna and accessories-45\% deposit with order \$102,454.70 |
| 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 <br> Cost | Estimated <br> Cost <br> Justification | Actual Cost | Actual Cost Justification |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Primary <br> Transmission <br> Line | \$62,480.00 | \$55,047.60 |  | \$16,575.88 |  |
| Rigid <br> Transmission Line copper, 41 /16" | \$62,480.00 | \$55,047.60 | N/A | \$16,575.88 | N/A |
| Sub-total | \$62,480.00 | \$55,047.60 | N/A | \$16,575.88 | N/A |
| Total for all systems | \$3,044,041.35 | \$2,665,352.59 | N/A | \$1,973,026.74 | N/A |

## Components

## Actual Information

Description
Rigid Transmission Line -
copper, 4 1/16"

File Name


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

|  | Predetermined <br> Dest Estimate | Estimated <br> Cost | Estimated Cost <br> Justification | Actual Cost |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | | Actual Co |
| :---: |
| Justificati |

## Components

## Actual Information

| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | Information not provided. |  |
| :---: | :---: | :---: |
| Move Existing STL Dish to New Tower | Component Description: <br> Amount: | Labor to perform site survey at Cheyenne Mountain \$21,664.70 |
| New tower | Component Description: <br> Amount: | Replacement <br> Tower $\$ 164,785.21$ |
|  | Component Description: <br> Amount: | Additional crane time \$2,500.00 |
|  | Component Description: <br> Amount: | Remobilization for tower destack \$54,763.73 |
|  | Component Description: <br> Amount: | Installation <br> Services $\$ 72,117.47$ |
|  | Component Description: Amount: | One invoice of many for this line. This specifically is for structural analysis \& report, add'I loading configurations \& PE sealed docs \$5,100.00 |


| Component Description: | $30 \%$ deposit with order of replacement tower. |
| :---: | :---: |
| Amount: | \$157,131.90 |
| Component Description: | One of several invoices for this line. This is specific for geotechnical survey \& report with reimbursement of $\$ 4875$ being requested. |
| Amount: | \$4,875.00 |
| Component Description: | Ice Bridge |
|  | Installation |
| Amount: | \$65,728.26 |
| Component Description: | $30 \%$ pmt. 60 days from date of order for tower and installation. Includes 30\% on deposit increase also. |
| Amount: | \$166,731.90 |

## Outside Professional Services

## Information

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

| Description | Estimated |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Predetermined Cost Estimate | Estimated <br> Cost | Cost Justification | Actual Cost | Actual Cc Justificat |
| Outside | \$318,721.05 | \$369,320.59 |  | \$207,608.24 |  |
| Professional |  |  |  |  |  |

Services

| New Tower design analysis | \$6,000.00 | \$6,000.00 | Engineering analysis of tower loading and design of the new tower. | \$0.00 | due tc mounta terrain ac is comin! higher tr origine estimal |
| :---: | :---: | :---: | :---: | :---: | :---: |
| KOAA repack 28 to repack 25 by Entravision | \$60,328.55 | \$60,328.55 | Additional consulting engineering expense due to Entravision wanting to occupy the KOAA repack channel 28. That would displace KOAA to channel 25 that is cochannel to KRDO 24. | \$60,328.55 | Per subm Invoic |
| Engineering study | \$16,582.50 | \$16,582.50 | Under estimated consulting engineering services needed for further review of feasibility to remain on Channel 30. | \$16,582.50 | An additic <br> surve needed tower installati construc |


| Comprehensive coverage verification via field study, if needed | \$84,200.00 | \$75,000.00 | N/A | \$0.00 | N/A |
| :---: | :---: | :---: | :---: | :---: | :---: |
| FAA <br> consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | \$2,105.00 | \$7,223.80 | Original estimate was low, but now corrected. | \$7,223.80 | Actuals : coming due tc additior studie: needed FAA determina reques |
| ASR <br> modification <br> (prepare FCC <br> Form 854) | \$2,105.00 | \$2,032.60 | The original predetermined cost was incorrect, it is correct now. | \$2,032.60 | N/A |
| NEPA Section 106 <br> environmental review, if needed | \$6,310.00 | \$6,318.00 | NEPA study for the new tower construction located 50 foot away from the existing tower. | \$6,318.00 | Actual cc came in little mo than orig estimal based billings fr provider. adjustm will be m to matcr actual cc |
| Attorney Fees - <br> Prepare and <br> File request for <br> Special <br> Temporary <br> Authorization | \$3,680.00 | \$3,500.00 | N/A | \$0.00 | N/A |


| Attorney Fees - <br> Prepare and <br> File FCC Form <br> 2100 (main), <br> License to <br> Cover <br> Application | \$2,365.00 | \$25,000.00 | KOAA had to run the legal services twice due to the KCEC Denver Entravision being assigned channel 14 and the FCC requesting KOAA move from repack 28 to repack 25 | \$2,055.00 | N/A |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Attorney Fees - <br> Prepare and <br> File FCC Form <br> 2100 (main), <br> Construction <br> Permit <br> Application | \$5,260.00 | \$8,660.50 | Please see <br> Estimated Cost Justification KOAA-TV-550- <br> Attorney - <br> Construction Permit Application (Main) v0 | \$8,660.50 | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | \$0.00 | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | \$0.00 | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$14,221.34 | The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time. | \$14,221.34 | N/A |


| Project <br> management of the transition | \$94,010.00 | \$99,675.00 | Widelity <br> Strategic Support Quote | \$64,907.65 | N/A |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Prepare and or review reimbursement form | \$2,630.00 | \$22,778.30 | The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time. | \$22,778.30 | N/A |
| RF Exposure Measurements | \$21,050.00 | \$17,500.00 | N/A | \$2,500.00 | N/A |
| Sub-total | \$318,721.05 | \$369,320.59 | N/A | \$207,608.24 | N/A |
| Total for all systems | \$3,044,041.35 | \$2,665,352.59 | N/A | \$1,973,026.74 | N/A |

## Components

| Actual Information Description | File Name |  |
| :---: | :---: | :---: |
| New Tower design analysis | Component Description: <br> Amount: <br> Component Description: <br> Amount: | Geotechnical survey \& report. $\$ 4,875.00$ <br> Structural analysis <br> \& report for tower. $\$ 5,100.00$ |
| KOAA repack 28 to repack 25 by Entravision | Component Description: <br> Amount: | Qtrly progress report, environmental assessment for new tower. $\$ 587.40$ |


| Component Description: | assembling technical items to support application to construct repacked facilities. pursuant to Channel 28 |
| :---: | :---: |
| Amount: | \$3,322.25 |
| Component Description: Amount: | FCC grant of channel change repack application. $\$ 264.50$ |
| Component Description: | Consulting engr services Oct/Nov 2017 preliminary analysis for TVstudy 2.2 of K30JM-D related to channel change from 28 to 25 |
| Amount: | \$2,446.30 |
| Component Description: | review request for add'I info from fund administrators |
| Amount: | N/A |
| Component Description: | Consulting engr services thru Mar 2018 prelim review of transmitter tower inconsistency for license \& contruct permit c28 to c25 change |
| Amount: | \$1,613.90 |



FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase

| Component Description: | FAA determination \& study requests. |
| :---: | :---: |
| Amount: | \$594.40 |
| Component Description: | Repack public notice email, review \& respond to FAA filings for new tower |
| Amount: | \$868.00 |
| Component Description: | Correspondence \& telephone discussion for FAA determinations for new tower. |
| Amount: | \$1,586.00 |
| Component Description: | Please deny this invoice |
| Amount: | N/A |
| Component Description: Amount: | FAA analysis for proposed tower. \$2,028.00 |
| Component Description: | review issues /materials for tower coordinates \& modification of FAA determination for new tower. |
| Amount: | \$1,418.40 |
| Component Description: | FAA \& environmental approvals/study. |
| Amount: | \$729.00 |


| ASR modification (prepare FCC Form 854) | Component Description: <br> Amount: | begin draft ASR application and review 2012 ASR. $\$ 2,032.60$ |
| :---: | :---: | :---: |
| NEPA Section 106 environmental review, if needed | Component Description: <br> Amount: | Environmental approvals for new tower. $\$ 6,318.00$ |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | Information not provided. |  |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Component Description: <br> Amount: | create form 399 \& form 2100. <br> correspondence re FCC <br> reimbursement <br> process. $\$ 2,055.00$ |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Component Description: <br> Amount: <br> Component Description: <br> Amount: | Services Rendered <br> \$1,800.00 <br> revise \& file FCC <br> form 2100 <br> construction permit. <br> \$6,860.50 |
| Prepare engineering section of FCC Form 2100 (main), License to Cover <br> Application | Information not provided. |  |

Prepare engineering section of FCC Form 2100
(main), Construction
Permit Application

Perform engineering study
for new channel
assignment and antenna development

Information not provided.

| Component Description: | Consult eng serv thru Aug 17 for prelim analysis on TVStudy 2.2 of K30JM-D issues to incentive auction repack \& prep of eng response to FCC inquiry on numerous discuss persuant to appl to construct repack facilities DA17-314 C. 28 horiz. and vert. specs \$3,267.24 |
| :---: | :---: |
| Component Description: | Consulting engineering thru July 2017 to assemble technical issues for prep of engr stmt for application to construct repack facilities for C. 28 \& prelim study for fill in translator K30JM coverage |
| Amount: | \$3,629.74 |
| Component Description: | KOAA tpo <br> Calculations - <br> Transmitter and <br> Antenna Justification |
| Amount: | \$225.00 |


| Component Description: |  <br> Engineering <br> Services thru 4/27 <br> /17 for analysis on TVStudy 2.2 of curr <br> C. 42 oper. and repack C. 28 |
| :---: | :---: |
| Amount: | \$1,058.40 |
| Component Description: | services concerning recheck of allocation for K30JM \& KOAA-TV (Woodland Park) C. 16. further review of K30JM to remain C. 30 |
| Amount: | \$601.50 |
| Component Description: | Consulting engineering thru 5 /31/17 on LongleyRice analysis for TVStudy 2.2 of repacked C. 28 |
| Amount: | \$509.50 |
| Component Description: | consulting engr services for further review of feasibility to remain on C. 30 . |
| Amount: | \$2,504.05 |
| Component Description: | consulting engr services for further review to remain on C. 30 . |
| Amount: | \$2,425.91 |

Project management of the transition

| Component Description: | Project |
| :---: | :---: |
|  | Management |
| Amount: | \$4,713.45 |
| Component Description: | Project Management |
| Amount: | \$4,302.80 |
| Component Description: | Project |
|  | Management |
| Amount: | \$3,593.90 |
| Component Description: | Project management |
| Amount:Component Description: | \$2,162.85 |
|  | Project Management |
| Amount: | \$4,053.70 |
|  | Project Management |
| Amount: | \$4,072.45 |
|  | Project Management |
| Amount: | \$5,609.30 |
| Component Description: | FOR SERVICES |
|  | RENDERED |
|  | THROUGH: 6/1/19- |
|  | 6/30/19 |
| Amount: | \$150.00 |
| Component Description: | Project management |
| Amount: | \$2,516.50 |
| Component Description: | Project management |
| Amount: | \$8,083.05 |


| Component Description: | Project |
| :---: | :---: |
|  | Management |
| Amount: | \$1,497.70 |
| Component Description: | Project |
|  | Management |
| Amount: | \$64.95 |
| Component Description: | Project |
|  | Management |
| Amount: | \$1,945.80 |
| Component Description: | Project |
|  | Management |
| Amount: | \$2,915.40 |
| Component Description: Amount: | Project Management \$2,710.95 |
| Component Description: | Project |
|  | Management |
| Amount: | \$2,210.20 |
| Component Description: | Invoice KOAA-TV- |
|  | 510-Project |
|  | Management |
|  | Widelity, Inc. EWS- |
|  | KOAA-TV-026 |
| Amount: | \$833.30 |
| Component Description: Amount: | Project management |
|  | \$1,864.35 |
| Component Description: | Project |
|  | Management |
| Amount: | \$4,478.30 |



| Component Description: | Email for new FCC repack reimbursement process. |
| :---: | :---: |
| Amount: | \$171.00 |
| Component Description: | Qtrly progress report \& FCC reimbursement process. |
| Amount: | \$648.00 |
| Component Description: | Review quarterly progress report \& email for reimbursement process |
| Amount: | \$648.00 |
| Component Description: | Transmitter and Antenna Justification for 399 |
| Amount: | \$525.00 |
| Component Description: | FCC repack <br> quarterly progress report, release of add'I repack funding, reimbursement issues. |
| Amount: | \$567.00 |
| Component Description: | begin initial research relating to preparation of repack applications. |
| Amount: | \$177.50 |


| Component Description: | email re repack reimbursement issues. |
| :---: | :---: |
| Amount: | \$162.00 |
| Component Description: | review FCC repack letter, preparing emails for same, repack reimbursement process. |
| Amount: | \$1,424.00 |
| Component Description: | review \& respond to consulting engineer regarding TV repack applications. |
| Amount: | \$964.00 |
| Component Description: | review \& correspondence regarding amendment for repack application. |
| Amount: | \$14,619.50 |
| Component Description: | fund administratorrequest add'l info. Discussion regarding amendment to Form 399. |
| Amount: | \$1,792.80 |
| Component Description: | Research \& correspondence on repack reimbursement process |
| Amount: | \$286.50 |

## Component Description: <br> NEPA review

Amount:
\$2,500.00

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

| Description | Predetermined Cost Estimate | Estimated <br> Cost | Estimated <br> Cost <br> Justification | Actual Cost | Actual Cost Justification |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Other Expenses | \$110,865.04 | \$110,305.04 |  | \$98,841.50 |  |
| Develop and air announcement of upcoming channel change | \$850.00 | \$850.00 | N/A | \$0.00 | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | \$591.00 | \$591.00 | Please see <br> KOAA-TV <br> Disposal <br> Costs <br> Budget <br> Revision Justification Letter | \$591.00 | N/A |
| Non-zoning permits | \$3,500.00 | \$3,500.00 | N/A | \$0.00 | N/A |
| FCC Filing <br> Fees - Form <br> 2100 license <br> to cover <br> application | \$335.00 | \$325.00 | N/A | \$0.00 | N/A |
| DTV Medical <br> Facility <br> Notification | \$11,550.00 | \$11,000.00 | N/A | \$4,212.00 | N/A |


| Equipment Rental | \$6,701.98 | \$6,701.98 | Please see KOAA-TV <br> Electronics <br> Research, Inc. change order 35160C-3a <br> - Rev and KOAA-TV Equipment <br> Rental <br> Budget <br> Revision Justification Letter | \$6,701.98 | N/A |
| :---: | :---: | :---: | :---: | :---: | :---: |
| MVPD <br> Notification of Channel Change | \$5,593.60 | \$5,593.60 | see <br> Estimated Cost Justification KOAA-TV-610-MVPD Notifications v0 | \$5,593.60 | N/A |
| Equipment Storage | \$2,860.00 | \$2,860.00 | See <br> Estimated Cost Justification KOAA-TV-610- <br> Equipment Storage V0 | \$2,860.00 | N/A |
| Equipment <br> Delivery and <br> Handling <br> Charges | \$78,883.46 | \$78,883.46 | Please see <br> Estimated Cost <br> Justification <br> KOAA-TV- <br> 610- <br> Equipment <br> Delivery v1 | \$78,882.92 | N/A |
| Sub-total | \$110,865.04 | \$110,305.04 | N/A | \$98,841.50 | N/A |
| Total for all systems | \$3,044,041.35 | \$2,665,352.59 | N/A | \$1,973,026.74 | N/A |

## Components

| Actual Information Description | File Name |  |
| :---: | :---: | :---: |
| Develop and air announcement of upcoming channel change | Information not provided. |  |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Component Description: <br> Amount: | 7/6/20 Receive <br> Equipment/Labor <br> \$591.00 |
| Non-zoning permits | Information not provided. |  |
| FCC Filing Fees - Form 2100 license to cover application | Information not provided. |  |
| DTV Medical Facility Notification | Component Description: <br> Amount: | DTV Notification <br> Service <br> \$4,212.00 |
| Equipment Rental | Component Description: <br> Amount: <br> Component Description: <br> Amount: | KOAA-TV-610- <br> Equipment Delivery <br> \$342.00 <br> KOAA-TV-610- <br> Equipment Rental <br> \$6,359.98 |
| MVPD Notification of Channel Change | Component Description: <br> Amount: <br> Component Description: <br> Amount: | MVPD Notification <br> Services <br> \$2,796.80 <br> MVPD Notification <br> Services <br> \$2,796.80 |


| Component Description: | KOAA-TV-610- |
| :---: | :---: |
|  | Equipment Storage \$1,110.00 |
| Component Description: | 10/11/19 Receiving |
| Amount: | \$180.00 |
| Component Description: | August 2019 |
|  | Storage |
| Amount: | \$670.00 |
| Component Description: | KOAA-TV-610- |
|  | Equipment Storage |
| Amount: | \$900.00 |



## Cost Information

Grand Total

|  | Predetermined <br> Cost Estimate | Estimated Cost | Actual Cost |
| :--- | :--- | :--- | :--- |
| Total for all systems | $\$ 3,044,041.35$ | $\$ 2,665,352.59$ | $\$ 1,973,026.74$ |

Reimbursementiestiatus
The facility has ceased operating on its preauction channel.

Construction of final facilities or all necessary modifications are complete.

All receipts for reimbursement have been
No 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.

## Response

No

No

## Certification

Section
Question
Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY
FALSE STATEMENTS COULD SUBJECT
THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.
2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

| 8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested. |  |
| :---: | :---: |
| I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. | Sravan V <br> Reddy, <br> Reddy . <br> Senior <br> Director, <br> General <br> Accounting <br> 03/29/2021 |


| Certification | Section | Question | Response |
| :---: | :---: | :---: | :---: |
|  | Submission of Actual <br> Cost Documentation <br> Statements | WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733). |  |

1. The Authorized

Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.
2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.
8. The above-named entity acknowledges that overpayments or payments in error 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
Sravan V an authorized representative of the abovenamed applicant for the Authorization(s) specified above.

Reddy, Reddy .
Senior
Director,
General Accounting

## Attachments

