



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **6093** | Service: **DTV** | Call **WFSG** | Channel: **28 (UHF)**
ID: | Sign:
File **0000024819**
Number:
FRN: **0001810977** | Date **06/15**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---------------------------------|---|----------------------|--------------------|----------------------|
| Florida State University | Doug Crall 1600 RED BARBER PLAZA TALLAHASSEE, FL 32310 United States | +1 (850) 645-6032 | DCRALL@FSU. EDU | Government Entity |

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 |
|---|---|----------------------|-------------------------------|
| Ryan C Wilhour <i>Consulting Engineer</i> <i>Kessler and Gehman Associates, Inc.</i> | 507 NW 60th ST STE D Gainesville, FL 32607 United States | +1 (352) 332-3157 | ryan@kesslerandgehman. 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. | No |
| Briefly describe transition plan | Replace Transmitter and purchase a new antenna and transmission line. Use the existing antenna system as the interim through the end of the assigned phase. See WFSG Transmission Plan attached. |

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 | Ultimate |
| | Year | 2002 |
| | Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power Capacity | 10 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-16 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 10.8 kW |
| | Justification for New Transmitter | The station currently has a 10kW Comark Ultimate solid state liquid cooled transmitter, which is no longer being manufactured. Jack McAnulty of Comark has indicated that they will NOT re-channelize the Ultimate transmitter. A new transmitter is required. |

**Primary
Transmitter**

Other Transmitter Costs

| Section | Question | Response |
|---------------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | | |

| | | |
|--|---|--------------|
| | Switchgear (industrial 800 amp) | Yes |
| | Transformer (480V) | Yes |
| | Power | 150 kVA |
| | Rigid Conduit and Wiring | Yes |
| | Size | 2 inches |
| | Length | 100.0 feet |
| | Other Electrical Service | No |
| | Description | N/A |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Cooling Only |
| | 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 Transmitter **Other Transmitter Cost Not Listed**

| Name | Description |
|--------------------------------------|--|
| Additional Interior RF System | Interior RF System Existing Transmitter to Interim Transmission line |
| Standby Exciter and Switch | Standby Exciter with Automatic Change Over Switch |

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? | No |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | No |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Side 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) | 158.0 kW |

| | |
|--------------|-------------|
| Manufacturer | |
| Model | TLP-32A (c) |
| Year | 2002 |

**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? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| New Antenna Manufacturer and Types | 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/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) | 129.0 kW |
| Manufacturer | | |

| | |
|-------------------------------|-----------------------|
| Model | TFU-24JTH /VP-R O4 |
| Year | 2018 |
| Justification for New Antenna | Refer to Exhibit 2 |

**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.

**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 | 3 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 500 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? | Yes |
| | Type | Rigid |
| | Diameter | 4 1/16 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 550 feet per run |
| | Justification for New Transmission Line | The existing transmission line will be kept in place and used to feed the currently licensed antenna during the interim transitional period. |

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

Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

| Section | Question | Response |
|--|---|-------------------|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Is this tower consider Complex? | No |
| | Is this tower currently shared with any other stations? | Yes |
| | One or more FM, AM or TV radio broadcaster(s) | Yes |
| | Others Types of Users | Yes |
| | Is tower documented for structural analysis? | Yes |
| | Is tower compliant with Rev G? | No |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1038765 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 30° 22' 03.0" N- |
| | Longitude (NAD83) | 085° 55' 28.0" W- |
| | Overall Structure Height | 488.51 feet |
| | Support Structure Height | 443.56 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 65.62 feet |

| | |
|------------------|--|
| Structure Type | TOWER - Free Standing or Guyed Structure |
| Tower Owner | WFSU / WFSG--TV |
| Date Constructed | 09/01/1987 |

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

| Facility ID | Call Sign | Service |
|-------------|-----------|---------|
| 21798 | WFSW | FM |

Other Types of Users

| Users |
|---------------|
| Public Safety |

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: | Major Reinforcements needed |

Primary Tower

Tower Rigging Costs

| Section | Question | Response |
|---------|----------|----------|
|---------|----------|----------|

| | | |
|-------------------------------------|-----------------------------------|-----|
| Tower Rigging Costs | Complex Tower | N/A |
| Helicopter Services Required | Are helicopter services required? | No |

Primary Tower

Other Tower Expenses Not Listed

| Name | Description |
|---------------------------------|---|
| Transmission Line Bridge | Transmission line ice bridge to support the new transmission line running to the new transmitter location inside the existing building. See Cover Letter and photo in file named WFSG TCI Final Package |
| Additional Mobilization | Additional mobilization services associated with Tower Rigging |

Outside Professional Services Costs

| Section | Question | Response |
|---|--|---|
| Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 24 |
| | Explanation | Fewer project management hours are being required than originally estimated |
| 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 | 2 |
| | 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 | 2 |
| | NEPA Section 106 environmental review | No |
| | 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 | Yes |
| RF Field Engineering Services | Comprehensive coverage verification via field study | Yes |
| | RF exposure measurements | No |
| | Additional Field Engineering Service | Yes |
| | Number of Days | 5 |
| | Justification | Fewer on site days are being required than originally estimated |

**Outside
Professional
Services
Costs**

Other Professional Services Expenses Not Listed

| Name | Description |
|-----------------------------------|---|
| Other Engineering Services | Outside engineering services not included in any other OPS sections |
| Other Legal Services | Outside legal services not included in any other OPS sections |

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

**Other
Expenses**

Other Expenses Not Listed

| Name | Description |
|-----------|-------------|
| Sales Tax | Sales Tax |

Cost Information

Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|---------------------|------------------------------|---------------------|---------------------------|
| Primary Transmitter ULXTE-16 | \$599,750.00 | \$438,551.92 | | \$375,983.82 | |
| Switchgear - industrial 800 amp | \$38,200.00 | \$0.00 | Included in transmitter cost | N/A | N/A |
| Transformer 3 phase /480v - 150 KVA | \$25,550.00 | \$0.00 | Included in transmitter cost | N/A | N/A |
| 2" Rigid Conduit and Wiring (Cost per foot) | \$2,600.00 | \$0.00 | Included in transmitter cost | N/A | N/A |
| Additional Interior RF System | <i>\$0.00</i> | \$0.00 | Included in transmitter cost | N/A | N/A |
| Standby Exciter and Switch | <i>\$0.00</i> | \$0.00 | Included in transmitter cost | N/A | N/A |

| | | | | | |
|---|----------------|----------------|--|----------------|-----|
| 10 Ton system | \$38,900.00 | \$27,344.00 | See quote and justification attached as file WFSG Quote S26744 00000000 Quote 00000000 000000000 PEA TX EQ Aug18 FSU. Added HVAC Load Calcs by design engineer 2-21-19 | \$27,344.00 | N/A |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$411,207.92 | Upgraded transmitter for which Licensee will pay the upgrade cost difference. Amended 12/21/18 to reflect changes. Amended 1/3/19 to add \$11,500 Piping for Transmitter Heat Exchangers | \$348,639.82 | N/A |
| Sub-total | \$599,750.00 | \$438,551.92 | N/A | \$375,983.82 | N/A |
| Total for all systems | \$1,882,904.76 | \$1,511,724.68 | N/A | \$1,271,199.54 | N/A |

Components

| Actual Information | | | | | | | | | | | |
|---|--|-------------------------------|------------------------|----------------|----------|------|--|-------------------------------|----------------------|----------------|-------------|
| Description | File Name | | | | | | | | | | |
| Switchgear - industrial 800 amp | Information not provided. | | | | | | | | | | |
| Transformer 3 phase/480v - 150 KVA | Information not provided. | | | | | | | | | | |
| 2" Rigid Conduit and Wiring (Cost per foot) | Information not provided. | | | | | | | | | | |
| Additional Interior RF System | Information not provided. | | | | | | | | | | |
| Standby Exciter and Switch | Information not provided. | | | | | | | | | | |
| 10 Ton system | <table border="0"> <tr> <td>Component Description:</td> <td>HVAC Load Calculations</td> </tr> <tr> <td>Amount:</td> <td>\$600.00</td> </tr> <tr> <td> </td> <td></td> </tr> <tr> <td>Component Description:</td> <td>HVAC for WFSG Repack</td> </tr> <tr> <td>Amount:</td> <td>\$26,744.00</td> </tr> </table> | Component Description: | HVAC Load Calculations | Amount: | \$600.00 | | | Component Description: | HVAC for WFSG Repack | Amount: | \$26,744.00 |
| Component Description: | HVAC Load Calculations | | | | | | | | | | |
| Amount: | \$600.00 | | | | | | | | | | |
| | | | | | | | | | | | |
| Component Description: | HVAC for WFSG Repack | | | | | | | | | | |
| Amount: | \$26,744.00 | | | | | | | | | | |

UHF - Liquid Cooled Solid
State Transmitter 8.2 - 13 kW

Component Description: 2nd Installment,
one-third payment
prior to shipping
Amount: \$109,651.36

Component Description: One-third down
payment for new
transmitter
Amount: \$109,651.36

Component Description: Piping to install
Transmitter Heat
Exchangers
Cooling System
for WFSG Repack
Amount: \$11,500.00

Component Description: Balance due for
repack
transmitter.
Amount: \$117,837.10

Cost Information

Antennas

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|---------------------|--|---------------------|---|
| Primary Antenna TFU-24JTH /VP-R 04 | \$270,900.00 | \$322,981.00 | | \$318,536.00 | |
| Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed) | \$7,600.00 | \$4,445.00 | ***System Notice: Estimate adjusted and locked because line has been superseded. *** See Cover Letter associated with Invoice 8330 in file named WFSG TCI Final Package | \$4,445.00 | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized | \$247,000.00 | \$309,646.00 | See Cover Letter associated with Invoice 8330 in file named WFSG TCI Final Package | \$309,646.00 | The total cost of this antenna will be \$309,646.00, which is the cost offered by TCI under the turnkey antenna and tower contract. |

| | | | | | |
|---|----------------|----------------|--------------------------------------|----------------|-----|
| Sweep test of existing antenna | \$6,730.00 | \$0.00 | Sweep is included in cost of antenna | N/A | N/A |
| Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed) | \$9,570.00 | \$8,890.00 | N/A | \$4,445.00 | N/A |
| Sub-total | \$270,900.00 | \$322,981.00 | N/A | \$318,536.00 | N/A |
| Total for all systems | \$1,882,904.76 | \$1,511,724.68 | N/A | \$1,271,199.54 | N/A |

Components

| Actual Information | |
|--|-------------------------------|
| Description | File Name |
| Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed) | Component Description: |
| | Amount: |
| | Component Description: |
| | Amount: |

30 pct progress pmt, but prior 50% payment was already sufficient to total 80%.
N/A

50 pct down payment
\$4,445.00

| | |
|--|---|
| <p>UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized</p> | <p>Component Description: 30 pct progress pmt Pri ant Amount: \$86,318.80</p> <p>Component Description: Final payment Primary Antenna Amount: \$61,929.20</p> <p>Component Description: 50 pct down payment Amount: \$161,398.00</p> |
| <p>Sweep test of existing antenna</p> | <p>Information not provided.</p> |
| <p>Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)</p> | <p>Component Description: Final Payment for elbow complex Amount: \$1,778.00</p> <p>Component Description: 30pct progress payment Amount: \$2,667.00</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 |
|---|-----------------------------|--------------------|--|--------------------|---------------------------|
| Primary Transmission Line | \$135,300.00 | \$60,874.00 | | \$60,874.00 | |
| Rigid Transmission Line - copper, 4 1/16" | \$78,100.00 | \$30,437.00 | Total cost of the actual 4-1/16" transmission line is \$60,874. Part of this was entered into the line previously named 3-1/8" transmission line, which is now locked. This is the balance of the actual transmission line cost. | \$30,437.00 | N/A |

| | | | | | |
|--|----------------|----------------|--|----------------|-----|
| Rigid Transmission Line - copper, 3 1/8" | \$57,200.00 | \$30,437.00 | ***System Notice: Estimate adjusted and locked because line has been superseded. ***See Cover Letter associated with Invoice 8330 in file named WFSG TCI Final Package | \$30,437.00 | N/A |
| Sub-total | \$135,300.00 | \$60,874.00 | N/A | \$60,874.00 | N/A |
| Total for all systems | \$1,882,904.76 | \$1,511,724.68 | N/A | \$1,271,199.54 | N/A |

Components

| Actual Information | | |
|---|-------------------------------|---|
| Description | File Name | |
| Rigid Transmission Line - copper, 4 1/16" | Component Description: | Final payment for primary transmission line |
| | Amount: | \$12,174.80 |
| | Component Description: | 30 pct progress pmt for transmission line |
| | Amount: | \$18,262.20 |

Rigid Transmission Line -
copper, 3 1/8"

Component Description:

This component is
RED. See new
component for the
30pct progress
payment.

Amount:

N/A

Component Description:

50 pct down
payment

Amount:

\$30,437.00

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 | \$605,548.00 | \$417,478.00 | | \$417,478.00 | |
| Major tower reinforcement /modifications | \$421,000.00 | \$173,040.00 | See Cover Letter associated with Invoice 8330 in file named WFSG TCI Final Package | \$173,040.00 | N/A |
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00 | \$33,640.00 | Includes Structural Analysis which perhaps should have been entered into Modifications section of this Category. | \$33,640.00 | Perhaps the Structural Analysis should have been entered in the tower modification section. |
| Transmission Line Bridge | <i>\$32,280.00</i> | \$32,280.00 | See Cover Letter and photo in file named WFSG TCI Final Package | \$32,280.00 | N/A |

| | | | | | |
|----------------------------------|--------------------|----------------|---|----------------|--|
| Short Tower (less than 500') | \$84,200.00 | \$136,750.00 | See Cover Letter associated with Invoice 8330 in file named WFSG TCI Final Package | \$136,750.00 | The total cost of thi rigging wo will be \$136,750 which is p of a turnke project by TCI for th antenna at tower wor |
| Additional Mobilization | \$41,768.00 | \$41,768.00 | See attachment named: WFSG Remobilization Change Order Cover Page. pdf, for explanation | \$41,768.00 | N/A |
| Sub-total | \$605,548.00 | \$417,478.00 | N/A | \$417,478.00 | N/A |
| Total for all systems | \$1,882,904.76 | \$1,511,724.68 | N/A | \$1,271,199.54 | N/A |

Components

| Actual Information | |
|---|---|
| Description | File Name |
| Major tower reinforcement /modifications | <p>Component Description: 30 pct progress pmt for tower mods</p> <p>Amount: \$51,912.00</p> <p>Component Description: final payment for tower modifications</p> <p>Amount: \$34,608.00</p> <p>Component Description: 50 pct down payment</p> <p>Amount: \$86,520.00</p> |

| | |
|--|---|
| <p>Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study</p> | <p>Component Description: 30 pct progress pmt for mapping Amount: \$6,120.00</p> |
| | <p>Component Description: 50 pct down payment Amount: \$10,200.00</p> |
| | <p>Component Description: Structural Analysis of the WFSG Panama City Tower. Also see attached letter from the vendor with further explanation. Amount: \$6,000.00</p> |
| | <p>Component Description: Tower Structural Analysis for Side Mount Antennas Amount: \$7,240.00</p> |
| | <p>Component Description: Final payment for mapping and analysis services. Amount: \$4,080.00</p> |
| <p>Transmission Line Bridge</p> | <p>Component Description: Payment in full for transmission line ice bridge Amount: \$32,280.00</p> |

| | |
|------------------------------|--|
| Short Tower (less than 500') | <p>Component Description: 30 pct progress pmt rigging antenna installation</p> <p>Amount: \$47,600.00</p> <p>Component Description: final payment for rigging antenna installation</p> <p>Amount: \$27,350.00</p> <p>Component Description: 50 pct down payment</p> <p>Amount: \$61,800.00</p> |
| Additional Mobilization | <p>Component Description: Tower Contractor Remobilization WFSG</p> <p>Amount: \$41,768.00</p> |

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 | \$176,937.00 | \$177,920.00 | | \$85,100.40 | |
| Other Legal Services | <i>\$10,000.00</i> | \$10,000.00 | N/A | \$4,969.46 | N/A |
| Other Engineering Services | <i>\$24,107.50</i> | \$24,107.50 | N/A | \$16,805.25 | N/A |
| Comprehensive coverage verification via field study, if needed | \$84,200.00 | \$80,000.00 | N/A | \$35,491.44 | Compreher coverage verification field study WFSG. Th measurem will be use compare v post-transi measurem |
| 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 |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | \$1,500.00 | Engineeri section of F FCC Construct Permit Applicati Main Facilit WFSG |

| | | | | | |
|--|--------------------|-------------|---|-------------|---|
| 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 | \$10,775.00 | The Estimated Cost includes Form 399 submissions including ongoing Actual Cost invoice prep and submission, and amendments as needed. | \$10,775.00 | Prepare and Review Form 399 Reimbursement for WFS |
| Project management of the transition | \$3,792.00 | \$3,600.00 | N/A | \$2,070.00 | Outside Project Management Services for WFSG |
| Additional Field Engineering Service, 5 Days | <i>\$10,000.00</i> | \$10,000.00 | 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 | \$550.00 | N/A |
| ASR modification (prepare FCC Form 854) | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|--------------------------|--------------|---|-------------|---|
| Attorney Fees - Prepare and File request for Special Temporary Authorization | \$7,360.00 | \$7,000.00 | N/A | \$1,401.75 | Attorney Request for Special Temporary Authority - transition WFSG |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | N/A | \$1,475.00 | Attorney section of FCC Construct Permit Applicatio Main Facilit WFSG |
| Prepare request for Special Temporary Authorization | \$4,100.00 | \$3,000.00 | N/A | \$875.00 | Engineering Special Temporary Authority early transi of WFS |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | \$500.00 | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | \$4,500.00 | Engineeri study for n channe assignment antenn developm for WFS |
| Additional Field Engineering Service, 15 Days | <i>\$4,187.50</i> | \$4,187.50 | ***System Notice: Estimate adjusted and locked because line has been superseded.*** | \$4,187.50 | Additional F Engineeri Service, S survey WF |
| Sub-total | \$176,937.00 | \$177,920.00 | N/A | \$85,100.40 | N/A |

| | | | | | |
|------------------------------|----------------|----------------|-----|----------------|-----|
| Total for all systems | \$1,882,904.76 | \$1,511,724.68 | N/A | \$1,271,199.54 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

Components

| Actual Information | |
|-------------------------------|--|
| Description | File Name |
| Other Legal Services | |
| Component Description: | Legal advice on transition |
| Amount: | \$598.50 |
| Component Description: | WBK inv #1020026 Various Legal thru 190228 UL20190419jgv1 |
| Amount: | \$227.50 |
| Component Description: | Review updated pricing for repack catalog |
| Amount: | \$57.00 |
| Component Description: | Legal assistance with transition, including proper PSIP procedures |
| Amount: | \$780.00 |
| Component Description: | Legal STA, delays by tower crew |
| Amount: | \$845.00 |
| Component Description: | Other Legal Services WFSG Repacking |
| Amount: | \$617.50 |

Component Description: Impact of hurricane on repack progress with limited tower resources
Amount: \$325.00

Component Description: Other Legal Services WFSG Repacking
Amount: \$618.00

Component Description: Other Legal Services WFSG Repacking
Amount: \$1,296.50

Component Description: Repack reimbursement legal advice
Amount: \$57.00

Component Description: WBK inv #1010265 Various Legal thru 180228 UL20190419jgv1
Amount: \$57.00

Component Description: Legal License to Cover
Amount: \$108.46

Other Engineering Services

Component Description: Prepare and submit
Form 399 actual
cost invoices
Amount: \$812.50

Component Description: Prep and submit
actual cost invoices
Amount: \$4,550.00

Component Description: Amend and submit
Form 399
Amount: \$2,146.50

Component Description: RF Design for
WFSG primary and
interim facilities
Amount: \$5,600.00

Component Description: KGA inv #194-39
Other Eng Services
Feb 2019
UL20190419jgv1
Amount: \$450.00

Component Description: KGA inv #194-28
AC Invoices and RF
Calcs Aug 2018
UL20190419jgv1
Amount: \$2,981.25

Component Description: Prep and submit
actual cost invoices
Amount: \$265.00

| | |
|---|---|
| <p>Comprehensive coverage verification via field study, if needed</p> | <p>Component Description: KGA 194-50 v200615jgv1</p> <p>Amount: \$16,579.93</p> <p>Component Description: KGA 194-45 v200615jgv1</p> <p>Amount: \$100.00</p> <p>Component Description: Refer to attachment "KG Invoice Explanations.pdf". Comprehensive coverage verification via field study for WFSG</p> <p>Amount: \$18,811.51</p> |
| <p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p> | <p>Information not provided.</p> |
| <p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p> | <p>Component Description: Refer to attachment "KG Invoice Explanations.pdf". Engineering section of Form FCC Construction Permit Application Main Facility for WFSG</p> <p>Amount: \$1,500.00</p> |
| <p>Address transition timing and coordination issues w/ other stations and wireless</p> | <p>Information not provided.</p> |
| <p>Prepare and or review reimbursement form</p> | <p>Component Description: KGA 194-48 v200612jgv1</p> <p>Amount: \$250.00</p> |

Component Description: KGA 194-46
v200612jgv1
Amount: \$1,425.00

Component Description: KGA inv #194-40
Actual Cost
Invoices prep and
submit March 2019
UL20190419jgv1
Amount: \$1,075.00

Component Description: KGA 194-19
v190730jgv1
Amount: \$300.00

Component Description: KGA inv #194-38
Actual Cost
Invoices prep and
submit Feb 2019
UL20190419jgv1
Amount: \$2,950.00

Component Description: Refer to attachment
"KG Invoice
Explanations.pdf".
Prepare or Review
FCC Form 399 for
Reimbursement for
WFSG
Amount: \$2,500.00

Component Description: KGA 194-42
v190730jgv1
Amount: \$1,175.00

Component Description: KGA 194-44
v190730jgv1
Amount: \$25.00

| | |
|--------------------------------------|--|
| | <p>Component Description: KGA 194-41 v190730jgv1</p> <p>Amount: \$1,075.00</p> |
| Project management of the transition | <p>Component Description: Project Management Preparation of Form 387 Quarterly Report</p> <p>Amount: \$150.00</p> <p>Component Description: Prepare and submit Form 387 4Q2017 progress report</p> <p>Amount: \$495.00</p> <p>Component Description: KGA 194-20 v190730jgv1</p> <p>Amount: \$225.00</p> <p>Component Description: Prepare and submit Form 387 1Q2018 progress report</p> <p>Amount: \$225.00</p> <p>Component Description: Project Management Preparation of Form 387 Quarterly Report</p> <p>Amount: \$150.00</p> <p>Component Description: Prep and submit Form 387 for 10 weeks prior and for 10 days after</p> <p>Amount: \$375.00</p> |

| | |
|--|--|
| | <p>Component Description: Refer to attachment "KG Invoice Explanations.pdf". Outside Project Management Services, Form 387 Progress Report</p> <p>Amount: \$300.00</p> <p>Component Description: Prep and submit Form 387 for 4Q18</p> <p>Amount: \$150.00</p> |
| Additional Field Engineering Service, 5 Days | Information not provided. |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | <p>Component Description: KGA inv #194-37 FAA 7460-1 prep and submission Jan 2019 UL20190419jgv1</p> <p>Amount: \$550.00</p> |
| ASR modification (prepare FCC Form 854) | Information not provided. |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | <p>Component Description: Legal STA for WFSG</p> <p>Amount: \$618.00</p> <p>Component Description: Attorney Request for Special Temporary Authority - early transition for WFSG</p> <p>Amount: \$783.75</p> |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction | |

Permit Application

Component Description: Incentive Auction
Public Notice and
regional coordinator
for repack transition

Amount: \$213.75

Component Description: Attorney section of
Form FCC
Construction Permit
Application Main
Facility for WFSG

Amount: \$71.25

Component Description: Attorney section of
Form FCC
Construction Permit
Application Main
Facility WFSG

Amount: \$285.00

Component Description: Attorney section of
Form FCC
Construction Permit
Application Main
Facility for WFSG

Amount: \$406.25

Component Description: Post auction
reimbursement
procedures and
application
procedures

Amount: \$142.50

Component Description: Attorney section of
Form FCC
Construction Permit
Application Main
Facility for WFSG

Amount: \$285.00

| | |
|--|--|
| | <p>Component Description: Attorney section of Form FCC Construction Permit Application Main Facility for WFSG</p> <p>Amount: \$71.25</p> |
| <p>Prepare request for Special Temporary Authorization</p> | <p>Component Description: Refer to attachment "KG Invoice Explanations.pdf". Engineering for Special Temporary Authority for early transition for WFSG</p> <p>Amount: \$875.00</p> |
| <p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p> | <p>Component Description: Prep Form 2100 for license to cover</p> <p>Amount: \$500.00</p> |
| <p>Perform engineering study for new channel assignment and antenna development</p> | <p>Component Description: Refer to attachment "KG Invoice Explanations.pdf". Engineering study for new channel assignment and antenna development for WFSG</p> <p>Amount: \$4,500.00</p> |

Additional Field
Engineering Service, 15
Days

Component Description:

Refer to attachment
"KG Invoice
Explanations.pdf".
WFSG on-site
Equipment
inventory and
facilities survey -
site visit
\$4,187.50

Amount:

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 | \$94,469.76 | \$93,919.76 | | \$13,227.32 | |
| Sales Tax | <i>\$1,254.76</i> | \$1,254.76 | Sales Tax from TCI vendor | \$1,254.76 | N/A |
| MVPD Notification of Channel Change | <i>\$2,665.00</i> | \$2,665.00 | N/A | \$2,660.50 | 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 | \$1,307.02 | N/A |
| Equipment Delivery and Handling Charges | <i>\$25,000.00</i> | \$25,000.00 | N/A | \$1,070.46 | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$20,000.00</i> | \$20,000.00 | N/A | \$3,809.58 | N/A |
| Non-zoning permits | <i>\$2,000.00</i> | \$2,000.00 | N/A | N/A | N/A |
| Local Zoning | <i>\$2,000.00</i> | \$2,000.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$11,000.00 | N/A | \$3,125.00 | N/A |

| | | | | | |
|------------------------------|----------------|----------------|-----|----------------|-----|
| Sub-total | \$94,469.76 | \$93,919.76 | N/A | \$13,227.32 | N/A |
| Total for all systems | \$1,882,904.76 | \$1,511,724.68 | N/A | \$1,271,199.54 | N/A |

Components

| Actual Information Description | File Name |
|---|--|
| Sales Tax | <p>Component Description: Sales Tax from TCI vendor</p> <p>Amount: \$1,254.76</p> |
| MVPD Notification of Channel Change | <p>Component Description: Prepare and distribute MVPD notifications and certification statement for public file</p> <p>Amount: \$1,812.50</p> <p>Component Description: Prep and distribute 2nd MVPD for update due to transition timing</p> <p>Amount: \$848.00</p> |
| Develop and air announcement of upcoming channel change | Information not provided. |

| | |
|---|---|
| Equipment Storage | <p>Component Description: Portable Storage Container for WFSG Repack</p> <p>Amount: \$144.11</p> <p>Component Description: Portable Storage Container for WFSG Repack</p> <p>Amount: \$586.47</p> <p>Component Description: Portable Storage Container for WFSG Repack</p> <p>Amount: \$144.11</p> <p>Component Description: Portable Storage Container for WFSG Repack</p> <p>Amount: \$144.11</p> <p>Component Description: Storage Container rental</p> <p>Amount: \$144.11</p> <p>Component Description: Portable Storage Container for WFSG Repack</p> <p>Amount: \$144.11</p> |
| Equipment Delivery and Handling Charges | <p>Component Description: Forklift rental</p> <p>Amount: \$1,070.46</p> <p>Component Description: Total amount due for shipping repack transmitter.</p> <p>Amount: \$6,734.03</p> |

| | |
|--|--|
| Disposal Costs (for equipment and other waste, net of any salvage value) | Component Description: WastePro 0001043475 v191213jgv1 Amount: \$595.73 |
| | Component Description: Roll off container for disposal Amount: \$595.73 |
| | Component Description: WastePro 0000980378 v190508jgv2 Amount: \$595.73 |
| | Component Description: WastePro 0000988530 v190502jgv2 Amount: \$595.73 |
| | Component Description: WastePro 0000991545 v190508jgv2 Amount: \$1,597.39 |
| | Component Description: WastePro inv #0000987467 Roll off container for disposal UL20190419jgv1 Amount: \$12.78 |
| | Component Description: Roll off container for disposal Amount: \$425.00 |
| Non-zoning permits | Information not provided. |
| Local Zoning | Information not provided. |

DTV Medical Facility
Notification

Component Description:

Prepare and
distribute Medical
notifications and
certification
statement for public
file

Amount:

\$3,125.00

Cost Information **Grand Total**

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|------------------------------|------------------------------------|-----------------------|--------------------|
| Total for all systems | \$1,882,904.76 | \$1,511,724.68 | \$1,271,199.54 |

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. | No |
| All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator. | No |

| Certification | Section | Question | Response |
|---------------|--|---|----------|
| | Submission of Estimated Expenses Statements | <p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p> | |
| | | <ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. | |

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

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

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

**Jeffrey C
Gehman**
*Engineering
Associate*

06/15/2020

| Certification | Section | Question | Response |
|---------------|--|---|----------|
| | <p>Submission of Actual Cost Documentation Statements</p> | <p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p> <ol style="list-style-type: none"> 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>Jeffrey C Gehman <i>Engineering Associate</i></p> <p>06/15/2020</p> |

Attachments