



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **71928** | Service: **DTV** | Call **WNED-TV** | Channel: **31 (UHF)** |
ID:
File **0000028145**
Number:
FRN: **0003410461** | Date **05/21**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|----------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------|----------------|----------------|
| WESTERN NY PUBLIC BROADCASTING ASSOC. Doing Business As: WNED-TV | JOSEPH C. PUMA PO Box 1263 BUFFALO, NY 14240 United States | +1 (716) 845-7000 | jpuma@wned.org | Not-for-Profit |

Reimbursement Contact Information

Reimbursement Contact Name and Information

| Applicant | Address | Phone | Email |
|----------------|---------|-------|-------|
| [Confidential] | | | |

Preparer Contact Information

Preparer Contact Name and Information

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

Broadcaster Information and Transition Plan

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

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | Yes |
| Briefly describe transition plan | Sweep line/antenna to asses performance on new channel, remove existing IOT main & backup transmitters & channel-specific indoor RF systems, replace w/solid-state transmitters and appropriate indoor RF systems, tune & optimize antenna/line on new channel |

Transmitters

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

**Auxiliary
Transmitter****Add Transmitter Information**

| Section | Question | Response |
|-------------------------------------------------------|------------------------------------------------------------|--------------------------|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | backup |
| | 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 | DCXP |
| | Year | 2002 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Single |
| | Power Capacity | 25 kW |

**Auxiliary
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|-----------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| New Transmitter | Use | Auxiliary (Backup) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Manufacturer | |
| | Model | ULXTE-12 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 8.5 kW |
| | Justification for New Transmitter | Retuning high-power IOT transmitter from ch.43 to 31 requires a new IOT, new circuit assemblies, "additional costs for sustaining engineering" and exceeds the cost of a properly sized solid- state transmitter. Please see retune quote and letter attached. |

Auxiliary Transmitter

Other Transmitter Costs

| Section | Question | Response |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | 45 kVA 480v to 208v transformer, includes conduit and primary wiring to auxiliary transmitter |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

**Auxiliary
Transmitter**

Other Transmitter Cost Not Listed

| Name | Description |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Copper tubing and fittings | Additional lengths of copper coolant tubing & fittings for extended run to outdoor heat exchanger |
| Conduit and wiring - pump and heat exchanger | Install circuits, conduit and wiring for coolant pump and heat exchanger |

**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 | DCXP |
| | Year | 2002 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Single |
| | Power Capacity | 25 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-12 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 8.5 kW |
| | Justification for New Transmitter | Retuning high-power IOT transmitter from ch.43 to 31 requires a new IOT, new circuit assemblies, "additional costs for sustaining engineering" and exceeds the cost of a properly sized solid-state transmitter. Please see retune quote and letter attached. |

**Primary
Transmitter**

Other Transmitter Costs

| Section | Question | Response |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | 45 kVA 480v to 208v transformer, includes conduit and primary wiring to main transmitter |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

**Primary
Transmitter**

Other Transmitter Cost Not Listed

| Name | Description |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Dummy Load | Indoor air-cooled broadband dummy load |
| Coaxial switch | Indoor 4-port 3-1/8" coax antenna line switch to switch between main & aux transmitters |
| Control cable | Control cable for switch to controller interconnection |
| Coaxial switch controller | Controller for coaxial switch |
| Copper tubing and fittings | Additional lengths of copper coolant tubing and fittings for extended run to outdoor heat exchanger |
| Conduit and wiring - pump and heat exchanger | Install circuits, conduit and wiring for coolant pump and heat exchanger |

Antennas

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

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

| Section | Question | Response |
|-------------------------------------------|------------------------------------------------------------------|--------------------|
| Existing Antenna Description | Type of change | Retune Existing |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | 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? | Yes |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Broadband Panel |
| | Number of Stations Supported | 1 |
| | Number of Panels | 16 |
| | Design power capacity in use | 10.0 % |
| | Lower Limit | 470.00 MHz |

| | |
|---------------------------------|---------------------|
| Upper Limit | 806.00 MHz |
| Other Antenna Type | N/A |
| ERP: (Effective Radiated Power) | 175.0 kW |
| Manufacturer | Dielectric |
| Model | TUC-05-16 /80H-1 |
| Year | 2002 |

**Primary
Antenna**

Adjustment to Existing Antenna

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

**Primary
Antenna**

Other Antenna Costs

| Section | Question | Response |
|-----------------------------|----------------------------------------------|----------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | No |
| | Type | |
| | Number of channels supported | N/A |
| | Frequencies of channels supported | N/A |
| | Frequency | |

**Primary
Antenna**

Other Antenna Cost Not Listed

| Name | Description |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Test transition assembly | Broadband test assembly for initial transmission line & antenna sweep and post channel change sweep & tune, 6-1/8" to Type-N 50 ohm. |

Transmission Line

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

Primary Transmission Line**Existing Transmission Line**

| Section | Question | Response |
|--------------------------------------------------|----------------------------------------------------------------------------|-------------------|
| Existing Transmission Line Description | Type of change | Utilize Existing |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | 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 | Dielectric |
| | Type | Rigid |
| | Diameter | 8 3/16 inches |
| | Other Diameter | N/A |
| | Segment Length | Broadband |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1100 feet per run |

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

| Name | Description |
|--------------------------|-------------------------------------------------------------------------------------------|
| Indoor transmission line | Qty. (7) 10ft. lengths 3-1/8" unflanged transmission line |
| Kit, RF Line | Qty (2) 3-1/8" 50 Ohm indoor transmission line and fittings kit. One for each transmitter |
| Pipe Hanger Assembly | Qty. (15) 3.5 Pipe hanger assemblies with insulators |
| Adapter-transformer | 6-1/8" 75 Ohm to 3-1/8" 50 Ohm transmission line adapter/transformer |
| Reducer assembly | 8-3/16" to 6-1/8" indoor transmission line reducer assembly |
| Connector | Qty (4) 3-1/8" transmission line connectors |
| Coupling | Qty. (6) 3-1/8" indoor transmission line couplings |
| Field Flange adapter | Qty. (4) 3-1/8" field EIA flange to unflanged adapters |

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? | Unknown |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1033433 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 43° 01' 48.2" N- |
| | Longitude (NAD83) | 078° 55' 14.1" W- |
| | Overall Structure Height | 1133.84 feet |
| | Support Structure Height | 1067.90 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 577.09 feet |

| | | |
|--|------------------|--------------------------------------------------|
| | Structure Type | TOWER - Free Standing or Guyed Structure |
| | Tower Owner | Western New York Public Broadcasting Association |
| | Date Constructed | 01/01/1986 |

**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 |
|-------------|-----------|---------|
| 71905 | WNLO | DTV |

Other Types of Users

| Users |
|-----------------|
| LPFM |
| Microwave relay |

Primary Tower

Tower Modification Costs

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

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

| Name | Description |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rigging | Crew mobilization, winch, rig & unrig tower to facilitate transmission line and elbow complex retuning (Item #2 on Warmus & Associates quote attached). |

**Outside
Professional Services Costs**

| Section | Question | Response |
|-------------------------------------------------------|------------------------------------------------------------------------------|----------|
| Outside Project Management Services | Do you require outside project management services? | No |
| | Number of Hours | N/A |
| | Explanation | N/A |
| 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 | No |
| | Quantity | N/A |
| | NEPA Section 106 environmental review | No |
| | Environmental Assessment | No |
| | ASR Modification | No |
| | FAA Consultation (including preparation of FAA Form 7460) | No |
| | Negotiation of Lease and other Matter for Shared Locations | No |
| | Prepare or Review FCC Form 399 for Reimbursement | Yes |
| | Address transition timing and coordination issues w/ other stations and wireless providers | No |
| RF Field Engineering Services | Comprehensive coverage verification via field study | No |
| | RF exposure measurements | No |
| | Additional Field Engineering Service | Yes |
| | Number of Days | 7 |
| | | |

| | |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Justification | Disassemble & deconstruct old high-power, channel-specific RF systems & plumbing. Tune and optimize antenna, elbow complex & line sections. Post-transition sweep test of entire system following retuning. Issue report. See vendor quote items 3 & 4 attached |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

| Name | Description |
|--------------------------------------|-------------------------------------------------|
| Misc. repack legal services and fees | Misc. legal costs & fees associated with repack |

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 | No |
| | 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? | No |
| | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | Yes |
| | Does this relocation require MVPD Notification of a Channel Change? | Yes |

| | |
|-----------------------|----------------------------------|
| Other Expenses | Other Expenses Not Listed |
| | Information not provided. |

Cost Information

Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|------------------------------------------------------------|---------------------|---------------------------|
| Primary Transmitter ULXTE-12 | \$526,418.36 | \$299,337.21 | | \$299,337.21 | |
| Dummy Load | <i>\$12,122.77</i> | \$12,122.77 | Vendor price reduction | \$12,122.77 | N/A |
| Copper tubing and fittings | <i>\$1,113.70</i> | \$1,113.70 | Cost represents 1/2 of GatesAir Change Order-1 attached. | \$1,113.70 | N/A |
| Conduit and wiring - pump and heat exchanger | <i>\$2,616.00</i> | \$2,616.00 | Cost represents 1/2 of MJM Electric Quote # 1594 attached. | \$2,616.00 | N/A |
| Control cable | <i>\$253.44</i> | \$253.44 | N/A | \$253.44 | N/A |
| Coaxial switch controller | <i>\$3,408.00</i> | \$3,408.00 | Vendor price increase | \$3,408.00 | N/A |
| Other Electrical Service: 45 kVA 480v to 208v transformer, includes conduit and primary wiring to main transmitter | <i>\$7,603.50</i> | \$7,603.50 | Cost represents 1/2 of MJM Electric Quote # 1593 attached. | \$7,603.50 | N/A |

| | | | | | |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|------------------------------------------------------------|---------------------|-----|
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$267,418.85 | N/A | \$267,418.85 | N/A |
| Coaxial switch | \$4,800.95 | \$4,800.95 | Vendor price reduction | \$4,800.95 | N/A |
| Auxiliary Transmitter ULXTE-12 | \$505,833.20 | \$277,979.65 | | \$277,979.64 | |
| Copper tubing and fittings | \$1,113.70 | \$1,113.70 | Cost represents 1/2 of GatesAir Change Order-1 attached. | \$1,113.70 | N/A |
| Conduit and wiring - pump and heat exchanger | \$2,616.00 | \$2,616.00 | Cost represents 1/2 of MJM Electric Quote # 1594 attached. | \$2,616.00 | N/A |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$266,646.45 | N/A | \$266,646.44 | N/A |
| Other Electrical Service: 45 kVA 480v to 208v transformer, includes conduit and primary wiring to auxiliary transmitter | \$7,603.50 | \$7,603.50 | Cost represents 1/2 of MJM Electric Quote # 1593 attached. | \$7,603.50 | N/A |
| Sub-total | \$1,032,251.56 | \$577,316.86 | N/A | \$577,316.85 | N/A |

| | | | | | |
|------------------------------|----------------|--------------|-----|--------------|-----|
| Total for all systems | \$1,387,361.08 | \$712,696.38 | N/A | \$646,393.34 | N/A |
|------------------------------|----------------|--------------|-----|--------------|-----|

Components

| Actual Information | |
|---------------------------|------------------|
| Description | File Name |

Dummy Load

Component Description:

Amount represents
2nd 1/3 payment
for the Dummy
Load, item #21 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-2
for the next 1/3
payment due prior
to shipment for all
items

Amount:

\$4,040.92

Component Description:

Amount represents
1/3 down payment
for the Dummy
Load, item #21 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-1
which is for the
total 1/3 down
payment required
on all items.

Amount:

\$4,040.92

Component Description:

Amount represents
final 1/3 payment
for the Dummy
Load, item #21 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached).

Amount:

\$4,040.93

| | |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Copper tubing and fittings | <p>Component Description:</p> <p>Amount represents 1/2 GatesAir change order #1 (Q-83408) - addl. copper tubing & accessories - attached</p> <p>Amount:</p> <p>\$1,113.70</p> |
| Conduit and wiring - pump and heat exchanger | <p>Component Description:</p> <p>Cost represents 1 /2 of total on invoice #16957 for electrical work to install circuits for coolant pumps and heat exchangers</p> <p>Amount:</p> <p>\$2,616.00</p> |

Control cable

Component Description:

Amount represents
2nd 1/3 payment
for the Control
Cable, item #19 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-2
for the next 1/3
payment due prior
to shipment for all
items

Amount:

\$84.48

Component Description:

Amount represents
1/3 down payment
for the Control
Cable, item #19 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-1
which is for the
total 1/3 down
payment required
on all items.

Amount:

\$84.48

Component Description:

Amount represents
final 1/3 payment
for the Control
Cable, item #19 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached).

Amount:

\$84.48

Coaxial switch controller

Component Description:

Amount represents
2nd 1/3 payment
for the Coaxial
switch controller,
item #18 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-2
for the next 1/3
payment due prior
to shipment for all
items

Amount:

\$1,136.00

Component Description:

Amount represents
1/3 down payment
for the Coaxial
switch controller,
item #18 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-1
which is for the
total 1/3 down
payment required
on all items.

Amount:

\$1,136.00

Component Description:

Amount represents
final 1/3 payment
for the coaxial
switch controller,
item #18 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached).

Amount:

\$1,136.00

| | | | | | |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|
| <p>Other Electrical Service: 45 kVA 480v to 208v transformer, includes conduit and primary wiring to main transmitter</p> | <table> <tr> <td>Component Description:</td><td>Cost represents 1 /2 of remaining balance due, MJM Electric invoice #16954 for installation of power transformers and transmitter primary wiring</td></tr> <tr> <td>Amount:</td><td>\$4,753.50</td></tr> </table> | Component Description: | Cost represents 1 /2 of remaining balance due, MJM Electric invoice #16954 for installation of power transformers and transmitter primary wiring | Amount: | \$4,753.50 |
| Component Description: | Cost represents 1 /2 of remaining balance due, MJM Electric invoice #16954 for installation of power transformers and transmitter primary wiring | | | | |
| Amount: | \$4,753.50 | | | | |
| | <table> <tr> <td>Component Description:</td><td>1/2 cost of partial payment for materials and installation per MJM Electric quote #1593 attached</td></tr> <tr> <td>Amount:</td><td>\$2,850.00</td></tr> </table> | Component Description: | 1/2 cost of partial payment for materials and installation per MJM Electric quote #1593 attached | Amount: | \$2,850.00 |
| Component Description: | 1/2 cost of partial payment for materials and installation per MJM Electric quote #1593 attached | | | | |
| Amount: | \$2,850.00 | | | | |
| <p>UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW</p> | <table> <tr> <td>Component Description:</td><td>Amt. represents 2nd 1/3 pmt. prior to shipment, inv. #JW30004673-2 for (1) UHF Solid State transmitter, incl. qty.(1) of items 1-10, qty.(4) of item 11, qty.(1) of items 12-16 and 1/2 of item 27 on GatesAir quote Q-81639 (WNED-TV ULXTE-12MA4-24 attached)</td></tr> <tr> <td>Amount:</td><td>\$89,139.62</td></tr> </table> | Component Description: | Amt. represents 2nd 1/3 pmt. prior to shipment, inv. #JW30004673-2 for (1) UHF Solid State transmitter, incl. qty.(1) of items 1-10, qty.(4) of item 11, qty.(1) of items 12-16 and 1/2 of item 27 on GatesAir quote Q-81639 (WNED-TV ULXTE-12MA4-24 attached) | Amount: | \$89,139.62 |
| Component Description: | Amt. represents 2nd 1/3 pmt. prior to shipment, inv. #JW30004673-2 for (1) UHF Solid State transmitter, incl. qty.(1) of items 1-10, qty.(4) of item 11, qty.(1) of items 12-16 and 1/2 of item 27 on GatesAir quote Q-81639 (WNED-TV ULXTE-12MA4-24 attached) | | | | |
| Amount: | \$89,139.62 | | | | |

Component Description:

Amt. represents 1
/3 down payment
per invoice
#JW30004673-1
for (1) UHF Solid
State transmitter,
incl. qty.(1) of
items 1-10, qty.(4)
of item 11, qty.(1)
of items 12-16 and
1/2 of item 27 on
GatesAir quote Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached)

Amount:

\$89,139.62

Component Description:

Amt. represents
remaining payment
(without installation
charge) for (1)
UHF Solid State
transmitter
(Primary) incl. qty.
(1) of items 1-10,
qty.(4) of item 11,
qty.(1) of items 12-
16 on GatesAir
quote Q-81639
(WNED-TV ULXTE-
12MA4-24
attached).

Amount:

\$59,750.88

Component Description:

Amt. represents 1
/2 of invoice Item
D: installation &
proof for Primary
UHF Solid State
transmitter, as per
item #27 on
GatesAir quote Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached)

Amount:

\$29,388.73

Coaxial switch

Component Description:

Amount represents
2nd 1/3 payment
for the coaxial
switch, item #17 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-2
for the next 1/3
payment due prior
to shipment for all
items

Amount:

\$1,600.32

Component Description:

Amount represents
1/3 down payment
for the Coaxial
switch, item #17 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-1
which is for the
total 1/3 down
payment required
on all items.

Amount:

\$1,600.32

Component Description:

Amount represents
final 1/3 payment
for the coaxial
switch, item #17 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached).

Amount:

\$1,600.31

| | |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Copper tubing and fittings | <p>Component Description:</p> <p>Amount represents 1/2 GatesAir change order #1 (Q-83408) - addl. copper tubing & accessories - attached</p> <p>Amount:</p> <p>\$1,113.70</p> |
| Conduit and wiring - pump and heat exchanger | <p>Component Description:</p> <p>Cost represents 1 /2 of total on invoice #16957 for electrical work to install circuits for coolant pumps and heat exchangers</p> <p>Amount:</p> <p>\$2,616.00</p> |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | <p>Component Description:</p> <p>Amt. represents 2nd 1/3 pmt. prior to shipment, inv. JW30004673-2 for Aux. Transmitter, inc. qty.(1) of items 1-8, qty.(1) of item 10, qty.(4) of item 11, qty.(1) of items 13-16 and 1/2 of item 27 on GatesAir quote Q-81639 (WNED-TV ULXTE-12MA4-24 attached)</p> <p>Amount:</p> <p>\$88,882.15</p> |

Component Description:

Amt. represents 1
/3 down pmt. per
invoice
#JW30004673-1
for the Aux.
Transmitter, inc.
qty.(1) of items 1-8,
qty.(1) of item 10,
qty.(4) of item 11,
qty.(1) of items 13-
16 and 1/2 of item
27 on GatesAir
quote #Q-81639
(WNED-TV ULXTE-
12MA4-24
attached)

Amount:

\$88,882.15

Component Description:

Amt. represents
remaining payment
(without installation
charge) for Aux.
Transmitter, inc.
qty.(1) of items 1-8,
qty.(1) of item 10,
qty.(4) of item 11,
qty.(1) of items 13-
16 on GatesAir
quote Q-81639
(WNED-TV ULXTE-
12MA4-24
attached)

Amount:

\$59,493.42

| | |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>Component Description:</p> <p>Amt. represents 1 /2 of invoice Item D: installation & proof for AUX. UHF Solid State transmitter, as per item #27 on GatesAir quote Q-81639 (WNED-TV ULXTE-12MA4-24 attached)</p> <p>Amount:</p> <p>\$29,388.72</p> |
| Other Electrical Service: 45 kVA 480v to 208v transformer, includes conduit and primary wiring to auxiliary transmitter | <p>Component Description:</p> <p>Cost represents 1 /2 of remaining balance due, MJM Electric invoice #16954 for installation of power transformers and transmitter primary wiring</p> <p>Amount:</p> <p>\$4,753.50</p> <p>Component Description:</p> <p>1/2 cost of partial payment for materials and installation per MJM Electric quote #1593 attached</p> <p>Amount:</p> <p>\$2,850.00</p> |

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 TUC-05-16 /80H-1 | \$10,457.92 | \$10,127.92 | | \$6,071.07 | |
| Test transition assembly | \$3,727.92 | \$3,727.92 | N/A | \$3,727.92 | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$2,343.15 | N/A |
| Sub-total | \$10,457.92 | \$10,127.92 | N/A | \$6,071.07 | N/A |
| Total for all systems | \$1,387,361.08 | \$712,696.38 | N/A | \$646,393.34 | N/A |

Components

| Actual Information | |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | File Name |
| Test transition assembly | <div>Component Description: Test transition assembly, item #2 on invoice, includes 1/2 of total shipping cost</div> <div>Amount: \$3,727.92</div> |
| Sweep test of existing antenna | <div>Component Description: Sweep test of existing antenna & line</div> <div>Amount: \$2,343.15</div> |

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 | \$23,476.60 | \$23,476.60 | | \$23,476.60 | |
| Field Flange adapter | <i>\$762.00</i> | \$762.00 | N/A | \$762.00 | N/A |
| Coupling | <i>\$1,480.50</i> | \$1,480.50 | N/A | \$1,480.50 | N/A |
| Connector | <i>\$243.00</i> | \$243.00 | N/A | \$243.00 | N/A |
| Reducer assembly | <i>\$2,933.52</i> | \$2,933.52 | N/A | \$2,933.52 | N/A |
| Pipe Hanger Assembly | <i>\$101.55</i> | \$101.55 | N/A | \$101.55 | N/A |
| Indoor transmission line | <i>\$3,393.39</i> | \$3,393.39 | N/A | \$3,393.39 | N/A |

| | | | | | |
|------------------------------|--------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adapter-transformer | \$2,676.24 | \$2,676.24 | Vendor (Dielectric) price increased from original 2017 quote (#45508 WNED indoor transmission line, item #1 - attached). Actual shipping cost of \$46.44 was less than original estimate of \$269.71. | \$2,676.24 | Orig. estimate from quote #45508 item #1 (attached-45508 WNED indoor transmission line) was \$2337.60 plus \$269.71 est. shipping. Vendor raised the price to \$2629.80, partially offset by lower than est. shipping of \$46.44 for a new subtotal of \$2676.24 |
| Kit, RF Line | \$11,886.40 | \$11,886.40 | N/A | \$11,886.40 | N/A |
| Sub-total | \$23,476.60 | \$23,476.60 | N/A | \$23,476.60 | N/A |
| Total for all systems | \$1,387,361.08 | \$712,696.38 | N/A | \$646,393.34 | N/A |

Components

| Actual Information | |
|--------------------|-----------|
| Description | File Name |

Field Flange adapter

Component Description:

Amount represents
2nd 1/3 payment
for qty.(4) Field
Flange adapters,
item #24 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-2
for the next 1/3
payment due prior
to shipment for all
items

Amount:

\$254.00

Component Description:

Amount represents
1/3 down payment
for qty.(4) Field
Flange adapters,
item #24 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-1
which is for the
total 1/3 down
payment required
on all items.

Amount:

\$254.00

Component Description:

Amount represents
Final 1/3 payment
for qty.(4) Field
Flange adapters,
item #24 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached).

Amount:

\$254.00

Coupling

Component Description:

Amount represents
2nd 1/3 payment
for qty. (6) 3-1/8"
couplings, item #23
on GatesAir quote
#Q-81639 (WNED-
TV ULXTE-12MA4-
24 attached), part
of GatesAir invoice
#JW30004673-2
for the next 1/3
payment due prior
to shipment for all
items

Amount:

\$493.50

Component Description:

Amount represents
1/3 down payment
for qty. (6) 3-1/8"
couplings, item #23
on GatesAir quote
#Q-81639 (WNED-
TV ULXTE-12MA4-
24 attached), part
of GatesAir invoice
#JW30004673-1
which is for the
total 1/3 down
payment required
on all items.

Amount:

\$493.50

Component Description:

Amount represents
Final 1/3 payment
for qty. (6) 3-1/8"
couplings, item #23
on GatesAir quote
#Q-81639 (WNED-
TV ULXTE-12MA4-
24 attached).

Amount:

\$493.50

Connector

Component Description:

Amount represents
2nd 1/3 payment
for qty. (4) 3-1/8"
connectors, item
#25 on GatesAir
quote #Q-81639
(WNED-TV ULXTE-
12MA4-24
attached), part of
GatesAir invoice
#JW30004673-2
for the next 1/3
payment due prior
to shipment for all
items

Amount:

\$81.00

Component Description:

Amount represents
1/3 down payment
for qty. (4) 3-1/8"
connectors, item
#25 on GatesAir
quote #Q-81639
(WNED-TV ULXTE-
12MA4-24
attached), part of
GatesAir invoice
#JW30004673-1
which is for the
total 1/3 down
payment required
on all items.

Amount:

\$81.00

Component Description:

Amount represents
Final 1/3 payment
for qty. (4) 3-1/8"
connectors, item
#25 on GatesAir
quote #Q-81639
(WNED-TV ULXTE-
12MA4-24
attached).

Amount:

\$81.00

| | |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reducer assembly | <div> <div>Component Description:</div> <div>Reducer assembly, item #1 on invoice, includes 1/2 of total shipping cost</div> </div> <div> <div>Amount:</div> <div>\$2,933.52</div> </div> |
| Pipe Hanger Assembly | <div> <div>Component Description:</div> <div>Amount represents 2nd 1/3 payment for qty. (15) Pipe Hanger Assemblies, item #26 on GatesAir quote #Q-81639 (WNED-TV ULXTE-12MA4-24 attached), part of GatesAir invoice #JW30004673-2 for the next 1/3 payment due prior to shipment for all items</div> </div> <div> <div>Amount:</div> <div>\$33.85</div> </div> <div> <div>Component Description:</div> <div>Amount represents 1/3 down payment for qty. (15) Pipe Hanger Assemblies, item #26 on GatesAir quote #Q-81639 (WNED-TV ULXTE-12MA4-24 attached), part of GatesAir invoice #JW30004673-1 which is for the total 1/3 down payment required on all items.</div> </div> <div> <div>Amount:</div> <div>\$33.85</div> </div> |

Component Description:

Amount represents
final 1/3 payment
for qty. (15) Pipe
Hanger
Assemblies, item
#26 on GatesAir
quote #Q-81639
(WNED-TV ULXTE-
12MA4-24
attached).

Amount:

\$33.85

Indoor transmission line

Component Description:

Amount represents
2nd 1/3 payment
for qty. (7) Indoor
Transmission Line
10 ft., item #22 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-2
for the next 1/3
payment due prior
to shipment for all
items

Amount:

\$1,131.13

Component Description:

Amount represents
1/3 down payment
for qty. (7) Indoor
Transmission Line
10 ft., item #22 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-1
which is for the
total 1/3 down
payment required
on all items.

Amount:

\$1,131.13

Component Description:

Amount represents
Final 1/3 payment
for qty. (7) Indoor
Transmission Line
10 ft., item #22 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached).

Amount:

\$1,131.13

| | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adapter-transformer | <div data-bbox="710 174 1375 367"> <div> Component Description: Shipping & handling, Dielectric Adapter-Transformer. </div> <div> Amount: \$46.44 </div> </div> <div data-bbox="710 474 1375 707"> <div> Component Description: Qty.(1) Adapter-Transformer as per Dielectric quote #1698741 dated 4 /12/2019 attached </div> <div> Amount: \$2,629.80 </div> </div> |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Kit, RF Line

Component Description:

Amount represents
2nd 1/3 payment
for qty. (2) RF Line
kits, item #20 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-2
for the next 1/3
payment due prior
to shipment for all
items

Amount:

\$3,962.13

Component Description:

Amount represents
1/3 down payment
for qty. (2) RF Line
kits, item #20 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached), part of
GatesAir invoice
#JW30004673-1
which is for the
total 1/3 down
payment required
on all items.

Amount:

\$3,962.13

Component Description:

Amount represents
Final 1/3 payment
for qty. (2) RF Line
kits, item #20 on
GatesAir quote #Q-
81639 (WNED-TV
ULXTE-12MA4-24
attached).

Amount:

\$3,962.14

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 | \$231,600.00 | \$21,100.00 | | \$0.00 | |
| Tall Tower (greater than 500') | \$210,500.00 | \$0.00 | N/A | N/A | N/A |
| Rigging | <i>\$21,100.00</i> | \$21,100.00 | N/A | N/A | N/A |
| Sub-total | \$231,600.00 | \$21,100.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$1,387,361.08 | \$712,696.38 | N/A | \$646,393.34 | N/A |

Components

Information not provided.

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 | \$61,775.00 | \$60,675.00 | | \$26,227.33 | |
| Misc. repack legal services and fees | <i>\$2,500.00</i> | \$2,500.00 | N/A | \$1,322.40 | N/A |
| Additional Field Engineering Service, 7 Days | <i>\$36,925.00</i> | \$36,925.00 | 5 days, \$5275 /day f/5-man crew for disassembly & deconstruction of old high-power channel-specific RF systems & plumbing. 2 days, \$5275 /day f/5-man crew to tune & optimize antenna/line & conduct post-transition sweep. See vendor quote items 3 & 4 attached | \$20,321.93 | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | \$2,365.00 | \$2,250.00 | N/A | N/A | N/A |

| | | | | | |
|-----------------------------------------------------------------------------------------------------------|----------------|--------------|-----|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | N/A | \$735.00 | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | \$250.00 | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | \$3,175.00 | Included engineering study and calculation of transmission system losses on post repack channel in order to insure accuracy |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | \$423.00 | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | N/A | N/A |
| Sub-total | \$61,775.00 | \$60,675.00 | N/A | \$26,227.33 | N/A |
| Total for all systems | \$1,387,361.08 | \$712,696.38 | N/A | \$646,393.34 | N/A |

Components

| Actual Information | |
|--------------------|-----------|
| Description | File Name |

Misc. repack legal services
and fees

Component Description:

Repack Services
Legal Fees - health
care notice public
file and phase
transition report
guidance

Amount:

\$216.00

Component Description:

Repack legal
services, guidance
on health care and
consumer
notification
deadlines

Amount:

\$115.20

Component Description:

Legal fee -
repacking services
- prepare and send
client transition
schedule timetable
for repack

Amount:

\$300.00

Component Description:

Repack legal
services - guidance
on viewer
notification public
file posting deadline

Amount:

\$115.20

Component Description:

Repack legal
services guidance
RE: deadlines,
viewer
notifications, public
file certification,
expected transition
date,
reimbursement
report issue.

Amount:

\$576.00

| | |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional Field Engineering Service, 7 Days | <p>Component Description:</p> <p>Additional field engineering services, Warmus & Associates original quote #TS17-039 Item #3 (partial).</p> <p>Amount:</p> <p>\$20,321.93</p> |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | <p>Component Description:</p> <p>Review, preparation and filing of Construction Permit application. Reflects items 1-3 on invoice.</p> <p>Amount:</p> <p>\$735.00</p> |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | <p>Component Description:</p> <p>Preparation of Engineering section of License to Cover</p> <p>Amount:</p> <p>\$250.00</p> |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <p>Component Description:</p> <p>Engineering study /evaluation and preparation of Construction Permit Application - engineering section</p> <p>Amount:</p> <p>\$3,175.00</p> |

| | |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prepare and or review reimbursement form | <div> <div> Component Description: </div> <div> Review and file FCC form 399. Reflects items 4 & 5 on invoice </div> </div> <div> <div> Amount: </div> <div> \$423.00 </div> </div> |
| Perform engineering study for new channel assignment and antenna development | Information not provided. |

Cost Information

Other Expenses

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--------------------------------------------------------------------------|-----------------------------|---------------------|-------------------------------------------------------------|---------------------|---------------------------|
| Other Expenses | \$27,800.00 | \$20,000.00 | | \$13,301.49 | |
| MVPD Notification of Channel Change | <i>\$1,250.00</i> | \$1,250.00 | Please see RF Notifications Quote # LS-20190901-A attached | \$1,250.00 | N/A |
| Develop and air announcement of upcoming channel change | <i>\$2,500.00</i> | \$2,500.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | <i>\$7,500.00</i> | \$7,500.00 | N/A | \$6,792.24 | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$5,000.00</i> | \$5,000.00 | N/A | \$1,509.25 | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$3,750.00 | Please see RF Notifications Quote # LS-20190801-A attached. | \$3,750.00 | N/A |
| Sub-total | \$27,800.00 | \$20,000.00 | N/A | \$13,301.49 | N/A |
| Total for all systems | \$1,387,361.08 | \$712,696.38 | N/A | \$646,393.34 | N/A |

Components

| Actual Information | |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | File Name |
| MVPD Notification of Channel Change | <p>Component Description: MVPD Notifications per RF Notifications quote# LS-20190901-A attached</p> <p>Amount: \$1,250.00</p> |
| Develop and air announcement of upcoming channel change | Information not provided. |
| Equipment Delivery and Handling Charges | <p>Component Description: Freight - shipping & handling of transmitters and accessories.</p> <p>Amount: \$6,792.24</p> |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <p>Component Description: Safety-Kleen liquid disposal-recycling services - glycol from old transmitter</p> <p>Amount: \$1,018.75</p> <p>Component Description: Liquid disposal services</p> <p>Amount: \$140.50</p> <p>Component Description: Dumpster service for disposal of construction debris</p> <p>Amount: \$350.00</p> |

| | | | | | |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|----------------|------------|
| DTV Medical Facility Notification | <table><tr><td data-bbox="703 94 1134 398">Component Description:</td><td data-bbox="1134 94 1431 398">Medical notification service per RF Notifications quote # LS-20190801-A attached</td></tr><tr><td data-bbox="703 398 1134 510">Amount:</td><td data-bbox="1134 398 1431 510">\$3,750.00</td></tr></table> | Component Description: | Medical notification service per RF Notifications quote # LS-20190801-A attached | Amount: | \$3,750.00 |
| Component Description: | Medical notification service per RF Notifications quote # LS-20190801-A attached | | | | |
| Amount: | \$3,750.00 | | | | |

| | | | |
|-------------------------|------------------------------|------------------------------------|-----------------------|
| Cost Information | Grand Total | | |
| | | Predetermined Cost Estimate | Estimated Cost |
| | | | Actual Cost |
| | Total for all systems | \$1,387,361.08 | \$712,696.38 |
| | | | \$646,393.34 |

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

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

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

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p> | |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p> | <p>Joseph Puma <i>Vice President Engineering and Technology</i></p> <p>05/21/2020</p> |

| Certification | Section | Question | Response |
|---------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| | Submission of Actual Cost Documentation Statements | <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.

| | |
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| <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>Joseph Puma <i>Vice President Engineering and Technology</i></p> <p>05/21/2020</p> |

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

3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
4. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
6. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

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

Joseph Puma
Vice President Engineering and Technology

05/21/2020

Attachments