



(REFERENCE COPY - Not for submission)

# LPTV Engineering STA Application

File Number: **0000029151** | Submit Date: **08/04/2017** | Call Sign: **KCEI-LD** | Facility ID: **181497** | FRN: **0017027764**  
 State: **New Mexico** | City: **TAOS**  
 Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **08/10/2017** | Expiration Date: **02/12/2018**  
 Filing Status: **Active**

**General Information**

Section	Question	Response
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**Fees, Waivers, and Exemptions**

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
<b>Waivers</b>	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGL	\$190.00
<b>Total</b>		<b>\$190.00</b>

**Applicant Information**

**Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
<b>CULTURAL ENERGY</b> Doing Business As: CULTURAL ENERGY	Robin Collier - Cultural Energy 112 Civic Plaza Drive TAOS, NM 87571 United States	+1 (575) 758-9791	ENERGY@CULTURALENERGY. ORG	Private Not-for- Profit Educational Institution

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**Authorization Holder Name**

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

**Contact  
Representatives  
(2)**

Contact Name	Address	Phone	Email	Contact Type
<b>Jeremy Lansman</b> TV Engineer	Jeremy Lansman 7200 Alafna Ave Anchorage, AK 99516 United States	+1 (628) 236- 9474	jeremy@jeremylansman. com	Technical Representative
<b>MATTHEW H. MCCORMICK</b> <i>LEGAL COUNSEL</i> FLETCHER, HEALD & HILDRETH, PLC	1300 NORTH 17TH STREET 11TH FLOOR ARLINGTON, VA 22209 United States	+1 (703) 812- 0400	MCCORMICK@FHHLAW. COM	Legal Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	181497	
State	New Mexico	
City	TAOS	
LPD Channel	18	

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
<b>Coordinates (NAD83)</b>	Latitude	36° 23' 13.7" N+
	Longitude	105° 34' 45.1" W-
	Structure Type	BPOLE-Building with POLE /ANTENNA on top
	Overall Structure Height	11 meters
	Support Structure Height	8 meters
	Ground Elevation (AMSL)	2122 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	11 meters
	Height of Radiation Center Above Mean Sea Level	2133 meters
	Effective Radiated Power	0.043 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	117508
<b>Antenna Manufacturer and Model</b>	Manufacturer:	MYA
	Model	MYA-4503
	Rotation	355 degrees
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<b>Elevation Radiation Pattern</b>	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	
	Out-of-Channel Emission Mask:	Simple

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1	90	0.211	180	0.273	270	0.211
10	0.977	100	0.178	190	0.221	280	0.188
20	0.891	110	0.133	200	0.178	290	0.15
30	0.708	120	0.079	210	0.106	300	0.126
40	0.299	130	0.079	220	0.079	310	0.089
50	0.089	140	0.079	230	0.079	320	0.299
60	0.126	150	0.106	240	0.079	330	0.708
70	0.15	160	0.178	250	0.133	340	0.891
80	0.188	170	0.221	260	0.178	350	0.977

**Additional Azimuths**

Degree	V <sub>A</sub>
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**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></p>	<p>The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).</p>	
	<p>The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.</p>	
<p><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></p> <p>Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application.</p> <p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	<p>Yes</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><b>Robin Collier</b> <i>President</i></p> <p>08/04/2017</p>

**Attachments**

<b>File Name</b>	<b>Uploaded By</b>	<b>Attachment Type</b>	<b>Description</b>
<a href="#"><u>20170809092719-953.pdf</u></a>	Internal	All Purpose	
<a href="#"><u>29151.pdf</u></a>	Internal	All Purpose	
<a href="#"><u>KCEI-LD_STA-mod.doc</u></a>	Applicant	General Information	STA KCEI-LD explanation
<a href="#"><u>STA-MPE-Statement.doc</u></a>	Applicant	General Information	Environmental & RF Exposure Statement