Trinity Consultants
9737 Great Hills Trl, Ste 340, Austin, TX 78759 / P 512.349.5800 / F 512.233.0803 / trinityconsultants.com

November 14, 2025

Permit Programs Manager
NMED Air Quality Bureau
525 Camino de los Marques, Suite 1
Santa Fe, NM 87505

RE: Application for Initial NSR Permit
Acoma, LLC – East Microgrid
Confidential Material Submitted Pursuant to 20.2.1.115 NMAC

Dear Permit Programs Manager:

On behalf of Acoma, LLC ("Applicant"), I am writing to respectfully request that the New Mexico Environment Department ("Department") maintain the confidentiality of the specific air turbine models identified in the applications concurrently submitted with this request, for a period of thirty (60) days from the date of submission.

Pursuant to 20.2.1.115 NMAC, Applicant asserts a claim of confidentiality over the identified air turbine model names included throughout the applications in various places, which we have redacted in the public version of the submitted materials. We are submitting an unredacted version of the application with each page marked as confidential. We are only concerned with disclosing the name/model of the turbines, all other information can be disclosed provided the names and models are properly redacted. This information constitutes "confidential business information" as defined in Section A(2) of the regulation, as public disclosure at this time would cause substantial harm to Claimant's competitive position. Specifically, Claimant is currently in the process of procuring equipment and is engaged in sensitive commercial negotiations. Premature disclosure of the turbine models would disrupt these negotiations, potentially affecting both pricing and availability, and could provide an unfair advantage to competitors or suppliers.

Applicant has taken reasonable measures to protect this information, has not previously disclosed it publicly, and intends to continue protecting its confidentiality. The information is not reasonably obtainable without Applicant's consent, and release at this time would likely result in substantial harm to Claimant's business interests.

We respectfully request that the Department keep the identified air turbine models confidential for at least sixty (60) days, as allowed under Section D(2)(a) and D(3), to allow Applicant to complete ongoing procurement activities and, if necessary, provide any additional information the Department may require to evaluate this claim of confidentiality.

Please confirm in writing that the Department will maintain this information as confidential for the requested period, and notify Applicant of any decision regarding the claim of confidentiality as provided in Section D(4)-(5) of the regulation.

Thank you for your consideration of this request. Please contact me at (512) 961-4471 or by email at Jesse.Lovegren@trinityconsultants.com if you require any additional information or clarification.

Sincerely,

TRINITY CONSULTANTS

Jesse Lovegren
Principal Consultant

Trinity Consultants
9737 Great Hills Trl, Ste 340, Austin, TX 78759 / P 512.349.5800 / F 512.233.0803 / **trinityconsultants.com**

November 14, 2025

Permit Programs Manager
NMED Air Quality Bureau
525 Camino de los Marques, Suite 1
Santa Fe, NM 87505

RE: Application for Initial NSR Permit
Acoma, LLC – East Microgrid Power Plant

Dear Permit Programs Manager:

On behalf of Acoma, LLC, Trinity Consultants is submitting this initial NSR application for the East Microgrid (East MG). The East MG will generate power for a nearby data center facility. The East MG will be located 3.6 miles south of Santa Teresa, New Mexico in Doña Ana County.

The format and contents of this application are consistent with the Bureau's current policy regarding NSR applications; it is a complete application package using the most current application forms. Enclosed is one hard copy and one working copy of the application, including the original certification page and application check. Digital files will be sent once requested by the Bureau. Please feel free to contact me at (512) 961-4471 or by email at Jesse.Lovegren@trinityconsultants.com if you have any questions regarding this application. Alternatively, you may contact Dan McGuire, Operations Leader with Acoma, LLC, at (336) 339-2363 or by email at dmcguire@forgejupiter.com.

Sincerely,

TRINITY CONSULTANTS

Jesse Lovegren
Principal Consultant

cc: Rob Liles, RLiles@trinityconsultants.com (Trinity Consultants)

NMED AIR QUALITY BUREAU
Initial NSR Application

Acoma, LLC
East Microgrid

Prepared By:

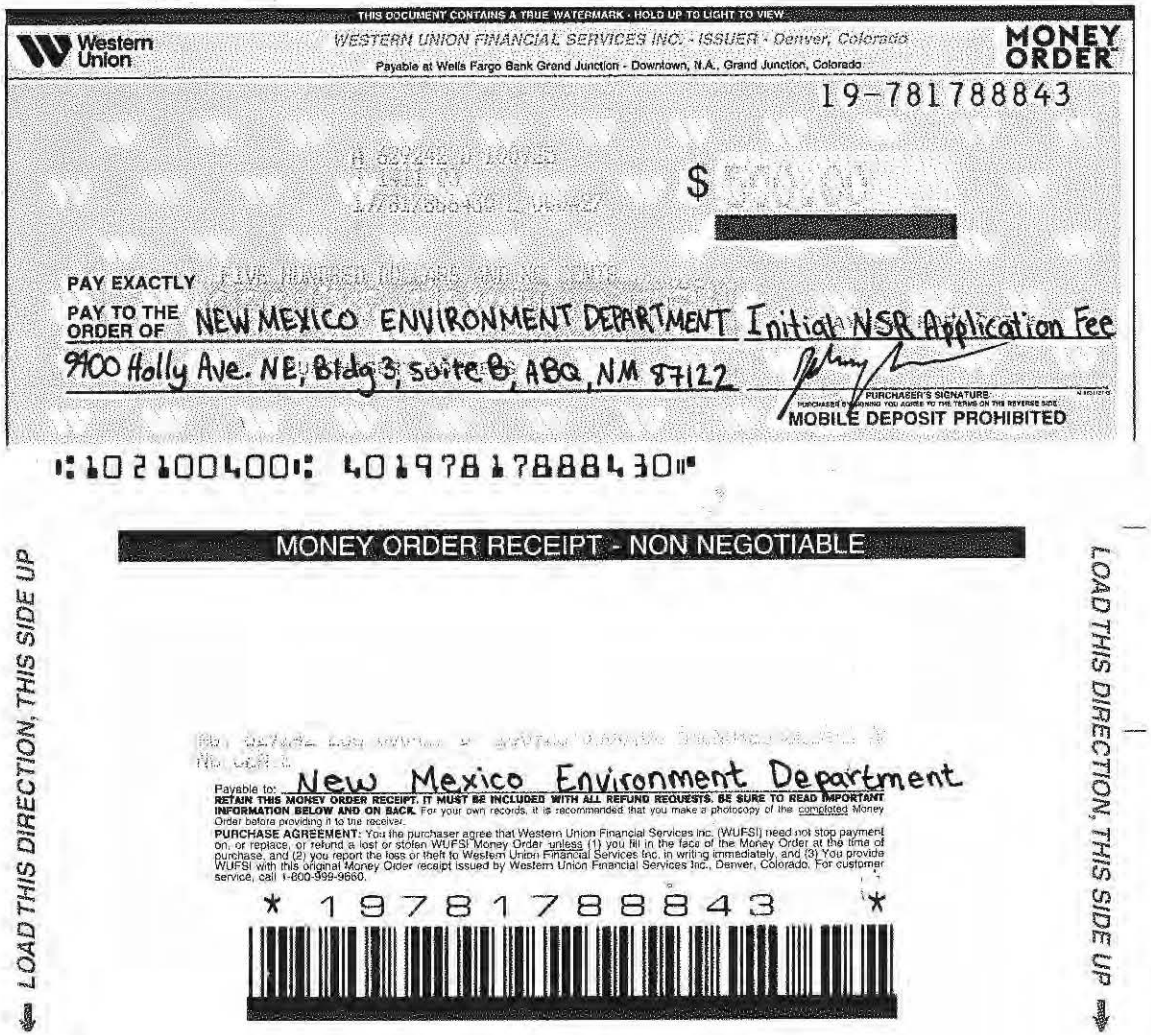
Jesse Lovegren — Principal Consultant
Jaimy Karacaoglu — Senior Consultant

TRINITY CONSULTANTS
9737 Great Hills Trl
Ste 340
Austin, TX 78759
(512) 961-4471

November 2025

Project 0254404.0459

Trinity Consultants



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Payable at Wells Fargo Bank Grand Junction - Downtown, N.A., Grand Junction, Colorado

MONEY ORDER

19-781788843

$ [redacted]

PAY EXACTLY [illegible]

PAY TO THE ORDER OF NEW MEXICO ENVIRONMENT DEPARTMENT Initial NSR Application Fee

9100 Holly Ave. NE, Bldg 3, Suite B, ABQ, NM 87122

PURCHASER'S SIGNATURE

PURCHASER BY SIGNING YOU AGREE TO THE TERMS ON THE REVERSE SIDE

MOBILE DEPOSIT PROHIBITED

⑈102100400⑈ 40197817888430⑈

MONEY ORDER RECEIPT - NON NEGOTIABLE

Payable to: New Mexico Environment Department

RETAIN THIS MONEY ORDER RECEIPT. IT MUST BE INCLUDED WITH ALL REFUND REQUESTS. BE SURE TO READ IMPORTANT INFORMATION BELOW AND ON BACK. For your own records, it is recommended that you make a photocopy of the completed Money Order before providing it to the receiver.

PURCHASE AGREEMENT: You the purchaser agree that Western Union Financial Services Inc. (WUFSI) need not stop payment on, or replace, or refund a lost or stolen WUFSI Money Order unless (1) you fill in the face of the Money Order at the time of purchase, and (2) you report the loss or theft to Western Union Financial Services Inc. in writing immediately, and (3) You provide WUFSI with this original Money Order receipt issued by Western Union Financial Services Inc., Denver, Colorado. For customer service, call 1-800-999-9660.

* 197817888843 *

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LOAD THIS DIRECTION, THIS SIDE UP

Air Permit Application
Compliance History Disclosure Form

Pursuant to Subsection 74-2-7(S) of the New Mexico Air Quality Control Act ("AQCA"), NMSA §§ 74-2-1 to -17, the New Mexico Environment Department ("Department") may deny any permit application or revoke any permit issued pursuant to the AQCA if, within ten years immediately preceding the date of submission of the permit application, the applicant met any one of the criteria outlined below. In order for the Department to deem an air permit application administratively complete, or issue an air permit for those permits without an administrative completeness determination process, the applicant must complete this Compliance History Disclosure Form as specified in Subsection 74-2-7(P). An existing permit holder (permit issued prior to June 18, 2021) shall provide this Compliance History Disclosure Form to the Department upon request.

Permittee/Applicant Company Name		**Expected Application Submittal Date**
Acoma, LLC		November 14, 2025
Permittee/Company Contact	**Phone**	**Email**
Dan McGuire	(336) 339-2363	dmcguire@forgejupiter.com

	Within the 10 years preceding the expected date of submittal of the application, has the permittee or applicant:	
1	Knowingly misrepresented a material fact in an application for a permit?	☐ Yes ☒ No
2	Refused to disclose information required by the provisions of the New Mexico Air Quality Control Act?	☐ Yes ☒ No
3	Been convicted of a felony related to environmental crime in any court of any state or the United States?	☐ Yes ☒ No
4	Been convicted of a crime defined by state or federal statute as involving or being in restraint of trade, price fixing, bribery, or fraud in any court of any state or the United States?	☐ Yes ☒ No
5a	Constructed or operated any facility for which a permit was sought, including the current facility, without the required air quality permit(s) under 20.2.70 NMAC, 20.2.72 NMAC, 20.2.74 NMAC, 20.2.79 NMAC, or 20.2.84 NMAC?	☐ Yes ☒ No
5b	If "No" to question 5a, go to question 6. If "Yes" to question 5a, state whether each facility that was constructed or operated without the required air quality permit met at least one of the following exceptions: a. The unpermitted facility was discovered after acquisition during a timely environmental audit that was authorized by the Department; or b. The operator of the facility estimated that the facility's emissions would not require an air permit, **and** the operator applied for an air permit within 30 calendar days of discovering that an air permit was required for the facility.	☐ Yes ☐ No
6	Had any permit revoked or permanently suspended for cause under the environmental laws of any state or the United States?	☐ Yes ☒ No
7	For each "yes" answer, please provide an explanation and documentation.	

Mail Application To:		**For Department use only:**
New Mexico Environment Department Air Quality Bureau Permits Section 525 Camino de los Marquez, Suite 1 Santa Fe, New Mexico, 87505 Phone: (505) 476-4300 Fax: (505) 476-4375 www.env.nm.gov/aqb		

Universal Air Quality Permit Application

Use this application for NOI, NSR, or Title V sources.

Use this application for: the initial application, modifications, technical revisions, and renewals. For technical revisions, complete Sections, 1-A, 1-B, 2-E, 3, 9 and any other sections that are relevant to the requested action; coordination with the Air Quality Bureau permit staff prior to submittal is encouraged to clarify submittal requirements and to determine if more or less than these sections of the application are needed. Use this application for streamline permits as well.

This application is submitted as (check all that apply): ☐ Request for a No Permit Required Determination (no fee)
☐ **Updating** an application currently under NMED review. Include this page and all pages that are being updated (no fee required).
Construction Status: ☑ Not Constructed ☐ Existing Permitted (or NOI) Facility ☐ Existing Non-permitted (or NOI) Facility
Minor Source: ☐ a NOI 20.2.73 NMAC ☑ 20.2.72 NMAC application or revision ☐ 20.2.72.300 NMAC Streamline application
Title V Source: ☐ Title V (new) ☐ Title V renewal ☐ TV minor mod. ☐ TV significant mod. TV Acid Rain: ☐ New ☐ Renewal
PSD Major Source: ☐ PSD major source (new) ☐ minor modification to a PSD source ☐ a PSD major modification

Acknowledgements:

☑ I acknowledge that a pre-application meeting is available to me upon request. ☐ Title V Operating, Title IV Acid Rain, and NPR applications have no fees.

☑ $500 NSR application Filing Fee enclosed OR ☐ The full permit fee associated with 10 fee points (required w/ streamline applications).

☑ Check No.: Enclosed Money Order in the amount of **$500**

☑ I acknowledge the required submittal format for the hard copy application is printed double sided 'head-to-toe', 2-hole punched (except the Sect. 2 landscape tables is printed 'head-to-head'), numbered tab separators. Incl. a copy of the check on a separate page.

☑ I acknowledge there is an annual fee for permits in addition to the permit review fee: www.env.nm.gov/air-quality/permit-fees-2/.

☐ This facility qualifies for the small business fee reduction per 20.2.75.11.C. NMAC. The full $500.00 filing fee is included with this application and I understand the fee reduction will be calculated in the balance due invoice. The Small Business Certification Form has been previously submitted or is included with this application. (Small Business Environmental Assistance Program Information: www.env.nm.gov/air-quality/small-biz-eap-2/.)

Citation: Please provide the **low level citation** under which this application is being submitted: **20.2.72.200.A NMAC**
(e.g. application for a new minor source would be 20.2.72.200.A NMAC, one example for a Technical Permit Revision is 20.2.72.219.B.1.b NMAC, a Title V acid rain application would be: 20.2.70.200.C NMAC)

Section 1 – Facility Information

Section 1-A: Company Information

		AI # if known (see 1st 3 to 5 #s of permit IDEA ID No.): TBD	Permit/NOI #: TBD
1	Facility Name: East Microgrid	Plant primary SIC Code (4 digits): 4911	
		Plant NAICS code (6 digits): 221112	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): From the intersection of Airport Rd and NM-136W in Santa Teresa NM, go south on NM-136 for 2.6 miles and turn left. Continue for 0.3 mi to site on right.		
2	Plant Operator Company Name: Acoma, LLC	Phone/Fax: (336) 339-2363	
a	Plant Operator Address: 600 Congress Ave, Suite 15041, Austin, TX 78701		

b	Plant Operator's New Mexico Corporate ID or Tax ID: 03-701143-00-0	
3	Plant Owner(s) name(s): Doña Ana County	Phone/Fax: N/A
a	Plant Owner(s) Mailing Address(s): 845 N. Motel Blvd, Las Cruces, NM 88007	
4	Bill To (Company): Acoma, LLC	Phone/Fax: (336) 339-2363
a	Mailing Address: 600 Congress Ave, Suite 15041 Austin, TX 78701	E-mail: dmcguire@forgejupiter.com
5	☑ Preparer: Trinity Consultants ☑ Consultant: Jesse Lovegren	Phone/Fax: 512-961-4471
a	Mailing Address: 9737 Great Hills Trail, Suite 340 Austin, Texas 78759	E-mail: jesse.lovegren@trinityconsultants.com
6	Plant Operator Contact: Dan McGuire	Phone/Fax: (336) 339-2363
a	Address: 600 Congress Ave, Suite 15041 Austin, TX 78701	E-mail: dmcguire@forgejupiter.com
7	Air Permit Contact: Dan McGuire	Title: Operations Leader
a	E-mail: 600 Congress Ave, Suite 15041 Austin, TX 78701	Phone/Fax: (336) 339-2363
b	Mailing Address: 600 Congress Avenue, Suite 15041, Austin, TX 78701	
c	The designated Air permit Contact will receive all official correspondence (i.e. letters, permits) from the Air Quality Bureau.	

Section 1-B: Current Facility Status

1.a	Has this facility already been constructed? ☐ Yes ☑ No	1.b If yes to question 1.a, is it currently operating in New Mexico? ☐ Yes ☐ No
2	If yes to question 1.a, was the existing facility subject to a Notice of Intent (NOI) (20.2.73 NMAC) before submittal of this application? ☐ Yes ☐ No	If yes to question 1.a, was the existing facility subject to a construction permit (20.2.72 NMAC) before submittal of this application? ☐ Yes ☐ No
3	Is the facility currently shut down? ☐ Yes ☑ No	If yes, give month and year of shut down (MM/YY): N/A
4	Was this facility constructed before 8/31/1972 and continuously operated since 1972? ☐ Yes ☑ No	
5	If Yes to question 3, has this facility been modified (see 20.2.72.7.P NMAC) or the capacity increased since 8/31/1972? ☐Yes ☐No ☑N/A	
6	Does this facility have a Title V operating permit (20.2.70 NMAC)? ☐ Yes ☑ No	If yes, the permit No. is: N/A
7	Has this facility been issued a No Permit Required (NPR)? ☐ Yes ☑ No	If yes, the NPR No. is: N/A
8	Has this facility been issued a Notice of Intent (NOI)? ☐ Yes ☑ No	If yes, the NOI No. is: N/A
9	Does this facility have a construction permit (20.2.72/20.2.74 NMAC)? ☐ Yes ☑ No	If yes, the permit No. is: N/A
10	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? ☐ Yes ☑ No	If yes, the register No. is: N/A

Section 1-C: Facility Input Capacity & Production Rate

1	What is the facility's maximum input capacity, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: N/A	Daily: N/A	Annually: N/A
b	Proposed	Hourly: 11.3 MMscf/h	Daily: 271 MMscf/d	Annually: 93,700 MMscf/y
2	What is the facility's maximum production rate, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: N/A	Daily: N/A	Annually: N/A

b	Proposed	Hourly: 1,223 MW	Daily: 29,340 MWh/d	Annually: 9,837,480 MWh/y

Section 1-D: Facility Location Information

1	Section: 35	Range: 2E	Township: 28S	County: Doña Ana	Elevation (ft): 4124
2	UTM Zone: ☐ 12 or ☑ 13			Datum: ☐ NAD 27 ☐ NAD 83 ☑ WGS 84	
a	UTM E (in meters, to nearest 10 meters): 341,072 m			UTM N (in meters, to nearest 10 meters): 3,521,528 m	
b	**AND** Latitude (deg., min., sec.): 31° 49′ 06″			Longitude (deg., min., sec.): –106° 40′ 45″	
3	Name and zip code of nearest New Mexico town: Santa Teresa, 88008				
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): From the intersection of Airport Rd and NM-136W in Santa Teresa NM, go south on NM-136 for 2.6 miles and turn left. Continue for 0.3 mi to site on right.				
5	The facility is **3.6** (distance) miles **south** (direction) of **Santa Teresa** (nearest town).				
6	Status of land at facility (check one): ☑ Private ☐ Indian/Pueblo ☐ Federal BLM ☐ Federal Forest Service ☐ Other (specify)				
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: Municipalities: El Paso (4.6 mi), Sunland Park (6.0 mi), Vinton (9.85 mi) Indian tribes: N/A Counties: Doña Ana				
8	**20.2.72** NMAC applications **only**: Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/air-quality/modeling-publications/ http://www.nmenv.state.nm.us/aqb/modeling/class1areas.html)? ☑ Yes ☐ No (20.2.72.206.A.7 NMAC) If yes, list all with corresponding distances in kilometers: State of Texas border is 7 km to the East				
9	Name nearest Class I area: Guadalupe Mountains National Park				
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): 156.5 km				
11	Distance (meters) from the perimeter of the Area of Operations (AO is defined as the plant site inclusive of all disturbed lands, including mining overburden removal areas) to nearest residence, school or occupied structure: 1500 m				
12	Method(s) used to delineate the Restricted Area: Continuous fencing. "**Restricted Area**" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.				
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? ☐ Yes ☑ No A portable stationary source is not a mobile source, such as an automobile, but a source that can be installed permanently at one location or that can be re-installed at various locations, such as a hot mix asphalt plant that is moved to different job sites.				
14	Will this facility operate in conjunction with other air regulated parties on the same property? ☑ No ☐ Yes If yes, what is the name and permit number (if known) of the other facility?				

Section 1-E: Proposed Operating Schedule (The 1-E.1 & 1-E.2 operating schedules may become conditions in the permit.)

1	Facility **maximum** operating ($\frac{\text{hours}}{\text{day}}$): 24	($\frac{\text{days}}{\text{week}}$): 7	($\frac{\text{weeks}}{\text{year}}$): 52	($\frac{\text{hours}}{\text{year}}$): 8760		
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start:		☐ AM ☐ PM	End:		☐ AM ☐ PM
3	Month and year of anticipated start of construction: Upon Permit Issuance					
4	Month and year of anticipated construction completion: Approximately 12/1/2026					
5	Month and year of anticipated startup of new or modified facility: Approximately 12/1/2026					
6	Will this facility operate at this site for more than one year? ☑ Yes ☐ No					

Section 1-F: Other Facility Information

1	Are there any current Notice of Violations (NOV), compliance orders, or any other compliance or enforcement issues related to this facility? ☐ Yes ☑ No If yes, specify:		
a	If yes, NOV date or description of issue:		NOV Tracking No:
b	Is this application in response to any issue listed in 1-F, 1 or 1a above? ☐ Yes ☑ No If Yes, provide the 1c & 1d info below:		
c	Document Title: N/A	Date: N/A	Requirement # (or page # and paragraph #): N/A
d	Provide the required text to be inserted in this permit: N/A		
2	Is air quality dispersion modeling or modeling waiver being submitted with this application? ☑ Yes ☐ No		
3	Does this facility require an "Air Toxics" permit under 20.2.72.400 NMAC & 20.2.72.502, Tables A and/or B? ☑ Yes ☐ No		
4	Will this facility be a source of federal Hazardous Air Pollutants (HAP)? ☑ Yes ☐ No		
a	If Yes, what type of source? ☐ **Major** (☐ ≥10 tpy of any single HAP **OR** ☐ ≥25 tpy of any combination of HAPS) **OR** ☑ **Minor** (☑ <10 tpy of any single HAP **AND** ☑ <25 tpy of any combination of HAPS)		
5	Is any unit exempt under 20.2.72.202.B.3 NMAC? ☐ Yes ☑ No		
a	If yes, include the name of company providing commercial electric power to the facility: N/A Commercial power is purchased from a commercial utility company, which specifically does not include power generated on site for the sole purpose of the user.		

Section 1-G: Streamline Application (This section applies to 20.2.72.300 NMAC Streamline applications only)

1	☐ I have filled out Section 18, "Addendum for Streamline Applications." ☑ N/A (This is not a Streamline application.)

Section 1-H: Current Title V Information - Required for all applications from TV Sources

(Title V-source required information for all applications submitted pursuant to 20.2.72 NMAC (Minor Construction Permits), or 20.2.74/20.2.79 NMAC (Major PSD/NNSR applications), and/or 20.2.70 NMAC (Title V))

1	Responsible Official (R.O.) (20.2.70.300.D.2 NMAC): Brannen McElmurray		Phone: (646) 371-7401
a	R.O. Title: Authorized Signatory	R.O. e-mail: brannen@forgegrowthinfra.com	
b	R. O. Address: 600 Congress Avenue, Suite 15041, Austin, TX 78701		
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC): Dan McGuire		Phone: (336) 339-2363
a	A. R.O. Title: Operations Leader	A. R.O. e-mail: dmcguire@forgejupiter.com	
b	A. R. O. Address: 600 Congress Avenue, Suite 15041, Austin, TX 78701		
3	Company's Corporate or Partnership Relationship to any other Air Quality Permittee (List the names of any companies that have operating (20.2.70 NMAC) permits and with whom the applicant for this permit has a corporate or partnership relationship): None		
4	Name of Parent Company ("Parent Company" means the primary name of the organization that owns the company to be permitted wholly or in part.): Yucca Growth Infrastructure, LLC		
a	Address of Parent Company: 600 Congress Avenue, Suite 15041, Austin, TX 78701		
5	Names of Subsidiary Companies ("Subsidiary Companies" means organizations, branches, divisions or subsidiaries, which are owned, wholly or in part, by the company to be permitted.): N/A		
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations: Dan McGuire, (336) 339-2363		

7	Affected Programs to include Other States, local air pollution control programs (i.e. Bernalillo) and Indian tribes: Will the property on which the facility is proposed to be constructed or operated be closer than 80 km (50 miles) from other states, local pollution control programs, and Indian tribes and pueblos (20.2.70.402.A.2 and 20.2.70.7.B)? If yes, state which ones and provide the distances in kilometers: States: Texas (7 km) Local pollution control programs: Texas Commission on Environmental Quality El Paso Regional Office (7 km) Indian tribes and pueblos: N/A

Section 1-I – Submittal Requirements

Each 20.2.73 NMAC (**NOI**), a 20.2.70 NMAC (**Title V**), a 20.2.72 NMAC (**NSR** minor source), or 20.2.74 NMAC (**PSD**) application package shall consist of the following:

Hard Copy Submittal Requirements:

1) One hard copy **original signed and notarized application package** **printed double sided** **'head-to-toe'** **2-hole punched** as we bind the document on top, not on the side; except Section 2 (landscape tables), which should be head-to-head. Please use **numbered tab separators** in the hard copy submittal(s) as this facilitates the review process. For NOI submittals only, hard copies of UA1, Tables 2A, 2D & 2F, Section 3 and the signed Certification Page are required. Please include a copy of the check on a separate page.

2) If the application is for a minor NSR, PSD, NNSR, or Title V application, include one working hard **copy** for Department use. This copy should be printed in book form, 3-hole punched, and **must be double sided**. Note that this is in addition to the head-to-to 2-hole punched copy required in 1) above. Minor NSR Technical Permit revisions (20.2.72.219.B NMAC) only need to fill out Sections 1-A, 1-B, 3, and should fill out those portions of other Section(s) relevant to the technical permit revision. TV Minor Modifications need only fill out Sections 1-A, 1-B, 1-H, 3, and those portions of other Section(s) relevant to the minor modification. NMED may require additional portions of the application to be submitted, as needed.

3) The entire NOI or Permit application package, including the full modeling study, should be submitted electronically. Electronic files for applications for NOIs, any type of General Construction Permit (GCP), or technical revisions to NSRs must be submitted with compact disk (CD) or digital versatile disc (DVD). For these permit application submittals, **two** CD copies are required (in sleeves, not crystal cases, please), with additional CD copies as specified below. NOI applications require only a single CD submittal. Electronic files for other New Source Review (construction) permits/permit modifications or Title V permits/permit modifications can be submitted on CD/DVD or sent through AQB's secure file transfer service.

Electronic files sent by (check one):

☐ CD/DVD attached to paper application

☑ secure electronic transfer.
Air Permit Contact Name: Trinity Albuquerque Office
Email: TrinityNM@trinityconsultants.com
Phone number: 505-266-6611

a. If the file transfer service is chosen by the applicant, after receipt of the application, the Bureau will email the applicant with instructions for submitting the electronic files through a secure file transfer service. Submission of the electronic files through the file transfer service needs to be completed within 3 business days after the invitation is received, so the applicant should ensure that the files are ready when sending the hard copy of the application. The applicant will not need a password to complete the transfer. **Do not use the file transfer service for NOIs, any type of GCP, or technical revisions to NSR permits.**

4) Optionally, the applicant may submit the files with the application on compact disk (CD) or digital versatile disc (DVD) following the instructions above and the instructions in 5 for applications subject to PSD review.

5) If **air dispersion modeling** is required by the application type, include the **NMED Modeling Waiver** and/or electronic air dispersion modeling report, input, and output files. The dispersion modeling ***summary report only*** should be submitted as hard copy(ies) unless otherwise indicated by the Bureau.

6) If the applicant submits the electronic files on CD and the application is subject to PSD review under 20.2.74 NMAC (PSD) or NNSR under 20.2.79 NMC include,
   a. one additional CD copy for US EPA,
   b. one additional CD copy for each federal land manager affected (NPS, USFS, FWS, USDI) and,
   c. one additional CD copy for each affected regulatory agency other than the Air Quality Bureau.

If the application is submitted electronically through the secure file transfer service, these extra CDs do not need to be submitted.

Electronic Submittal Requirements [in addition to the required hard copy(ies)]:

1) All required electronic documents shall be submitted as 2 separate CDs or submitted through the AQB secure file transfer service. Submit a single PDF document of the entire application as submitted and the individual documents comprising the application.

2) The documents should also be submitted in Microsoft Office compatible file format (Word, Excel, etc.) allowing us to access the text and formulas in the documents (copy & paste). Any documents that cannot be submitted in a Microsoft Office compatible format shall be saved as a PDF file from within the electronic document that created the file. If you are unable to provide Microsoft office compatible electronic files or internally generated PDF files of files (items that were not created electronically: i.e. brochures, maps, graphics, etc,), submit these items in hard copy format. We must be able to review the formulas and inputs that calculated the emissions.

3) It is preferred that this application form be submitted as 4 electronic files (3 MSWord docs: Universal Application section 1 [UA1], Universal Application section 3-19 [UA3], and Universal Application 4, the modeling report [UA4]) and 1 Excel file of the tables (Universal Application section 2 [UA2]). Please include as many of the 3-19 Sections as practical in a single MS Word electronic document. Create separate electronic file(s) if a single file becomes too large or if portions must be saved in a file format other than MS Word.

4) The electronic file names shall be a maximum of 25 characters long (including spaces, if any). The format of the electronic Universal Application shall be in the format: "A-3423-FacilityName". The "A" distinguishes the file as an application submittal, as opposed to other documents the Department itself puts into the database. Thus, all electronic application submittals should begin with "A-". Modifications to existing facilities should use the core permit number (i.e. '3423') the Department assigned to the facility as the next 4 digits. Use 'XXXX' for new facility applications. The format of any separate electronic submittals (additional submittals such as non-Word attachments, re-submittals, application updates) and Section document shall be in the format: "A-3423-9-description", where "9" stands for the section # (in this case Section 9-Public Notice). Please refrain, as much as possible, from submitting any scanned documents as this file format is extremely large, which uses up too much storage capacity in our database. Please take the time to fill out the header information throughout all submittals as this will identify any loose pages, including the Application Date (date submitted) & Revision number (0 for original, 1, 2, etc.; which will help keep track of subsequent partial update(s) to the original submittal. Do not use special symbols (#, @, etc.) in file names. The footer information should not be modified by the applicant.

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Table 2-A: Regulated Emission Sources[5]

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] / Date of Construction/ Reconstruction[2]	Controlled by Unit # / Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
TUR-F-1	Turbine	[redacted]		TBD	244.5 MW	244.5 MW	TBD TBD	SCR-1, OXCAT-1 TUR-1	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR-F-2	Turbine			TBD	244.5 MW	244.5 MW	TBD TBD	SCR-2,OXCAT-2 TUR-2	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR-F-3	Turbine			TBD	244.5 MW	244.5 MW	TBD TBD	SCR-3, OXCAT-3 TUR-3	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR-F-4	Turbine			TBD	244.5 MW	244.5 MW	TBD TBD	SCR-4, OXCAT-4 TUR-4	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR-F-5	Turbine			TBD	244.5 MW	244.5 MW	TBD TBD	SCR-5, OXCAT-5 TUR-5	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR-F-6	Turbine			TBD	244.5 MW	244.5 MW	TBD TBD	SCR-6, OXCAT-6 TUR-6	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR-F-7	Turbine			TBD	244.5 MW	244.5 MW	TBD TBD	SCR-7, OXCAT-7 TUR-7	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR-H-1	Turbine			TBD	340.8 MW	340.8 MW	TBD TBD	SCR-8, OXCAT-9 TUR-7	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
TUR-H-2	Turbine			TBD	340.8 MW	340.8 MW	TBD TBD	SCR-9, OXCAT-9 TUR-8	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SSM-1	[redacted] Startup, Shutdown, and Maintenance			TBD	244.5 MW	244.5 MW	TBD TBD	N/A N/A	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
SSM-2	[redacted] Startup, Shutdown, and Maintenance			TBD	340.8 MW	340.8 MW	TBD TBD	N/A N/A	20100201	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	N/A	N/A
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		

[1] Unit numbers must correspond to unit numbers in the previous permit unless a complete cross reference table of all units in both permits is provided.

[2] Specify dates required to determine regulatory applicability.

[3] To properly account for power conversion efficiencies, generator set rated capacity shall be reported as the rated capacity of the engine in horsepower, not the kilowatt capacity of the generator set.

[4] "4SLB" means four stroke lean burn engine, "4SRB" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "CI" means compression ignition, and "SI" means spark ignition

[5] There will be six (6) or seven (7) turbines at this facility. These turbines will consist of either seven (7) [redacted] natural gas fired turbines or four (4) [redacted] and two (2) [redacted] natural gas fired turbines depending on avaliability for purchase. The maximum number of each type of units, seven (7) [redacted] and two (2) [redacted] are presented in this application. Additional explanation on the configuration of turbines is presented in Section 3 of this application.

Table 2-B: Insignificant Activities[1] (20.2.70 NMAC) OR Exempted Equipment (20.2.72 NMAC)

All 20.2.70 NMAC (Title V) applications must list all Insignificant Activities in this table. All 20.2.72 NMAC applications must list Exempted Equipment in this table. If equipment listed on this table is exempt under 20.2.72.202.B.5, include emissions calculations and emissions totals for 202.B.5 "similar functions" units, operations, and activities in Section 6, Calculations. Equipment and activities exempted under 20.2.72.202 NMAC may not necessarily be Insignificant under 20.2.70 NMAC (and vice versa). Unit & stack numbering must be consistent throughout the application package. Per Exemptions Policy 02-012.00 (see http://www.env.nm.gov/aqb/permit/aqb_pol.html), 20.2.72.202.B NMAC Exemptions do not apply, but 20.2.72.202.A NMAC exemptions do apply to NOI facilities under 20.2.73 NMAC. List 20.2.72.301.D.4 NMAC Auxiliary Equipment for Streamline applications in Table 2-A. The List of Insignificant Activities (for TV) can be found online at https://www.env.nm.gov/wp-content/uploads/sites/2/2017/10/InsignificantListTitleV.pdf. TV sources may elect to enter both TV Insignificant Activities and Part 72 Exemptions on this form.

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction[2]	For Each Piece of Equipment, Check Onc
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction[2]	
TK-LUBE	Lube Oil Tank(s)	TBD	TBD	TBD	20.2.72.202.B.2	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			TBD	TBD	N/A	TBD	
TK-NH3	Ammonia Tank(s)	TBD	TBD	TBD	20.2.72.402.C.9	TBD	☐ Existing (unchanged) ☐ To be Removed ☑ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
			TBD	TBD	N/A	TBD	
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced
							☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced

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[1] Insignificant activities exempted due to size or production rate are defined in 20.2.70.300.D.6, 20.2.70.7.Q NMAC, and the NMED/AQB List of Insignificant Activities, dated September 15, 2008. Emissions from these insignificant activities do not need to be reported, unless specifically requested.

[2] Specify date(s) required to determine regulatory applicability.

Table 2-C: Emissions Control Equipment[2]

Unit and stack numbering must correspond throughout the application package. Only list control equipment for TAPs if the TAP's maximum uncontrolled emissions rate is over its respective threshold as listed in 20.2.72 NMAC, Subpart V, Tables A and B. In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device regardless if the applicant takes credit for the reduction in emissions.

Control Equipment Unit No.	Control Equipment Description	Date Installed	Controlled Pollutant(s)	Controlling Emissions for Unit Number(s)[1]	Efficiency (% Control by Weight)	Method used to Estimate Efficiency
SCR-1	Selective Catalytic Reduction	TBD	NOx	TUR-F-1	NOx: 86.67%	Catalyst Guarantee
SCR-2	Selective Catalytic Reduction	TBD	NOx	TUR-F-2		
SCR-3	Selective Catalytic Reduction	TBD	NOx	TUR-F-3		
SCR-4	Selective Catalytic Reduction	TBD	NOx	TUR-F-4		
SCR-5	Selective Catalytic Reduction	TBD	NOx	TUR-F-5		
SCR-6	Selective Catalytic Reduction	TBD	NOx	TUR-F-6		
SCR-7	Selective Catalytic Reduction	TBD	NOx	TUR-F-7		
OXCAT-1	Catalytic Oxidation	TBD	CO, VOC, HCHO	TUR-F-1	CO: 25% VOC: 0% HCHO: 68.71%	Catalyst Guarantee
OXCAT-2	Catalytic Oxidation	TBD	CO, VOC, HCHO	TUR-F-2		
OXCAT-3	Catalytic Oxidation	TBD	CO, VOC, HCHO	TUR-F-3		
OXCAT-4	Catalytic Oxidation	TBD	CO, VOC, HCHO	TUR-F-4		
OXCAT-5	Catalytic Oxidation	TBD	CO, VOC, HCHO	TUR-F-5		
OXCAT-6	Catalytic Oxidation	TBD	CO, VOC, HCHO	TUR-F-6		
OXCAT-7	Catalytic Oxidation	TBD	CO, VOC, HCHO	TUR-F-7		
SCR-8	Selective Catalytic Reduction	TBD	NOx	TUR-H-1	NOx: 90%	Catalyst Guarantee
SCR-9	Selective Catalytic Reduction	TBD	NOx	TUR-H-2		
OXCAT-8	Catalytic Oxidation	TBD	CO, VOC, HCHO	TUR-H-1	CO: 37.5% VOC: 0% HCHO: 68.71%	Catalyst Guarantee
OXCAT-9	Catalytic Oxidation	TBD	CO, VOC, HCHO	TUR-H-2		

[1] List each control device on a separate line. For each control device, list all emission units controlled by the control device.

[2] There will be six (6) or seven (7) turbines at this facility. These turbines will consist of either seven (7) [redacted] natural gas fired turbines or four (4) [redacted] and two (2) [redacted] natural gas fired turbines depending on avaliability for purchase. The maximum number of each type of units, seven (7) [redacted] and two (2) [redacted] are presented in this application. Additional explanation on the configuration of turbines is presented in Section 3 of this application.

3 Vendor's data sheet gives the same specification for VOC both pre- and post-control. VOC emissions from lean premix DLN units are normally negligible.

Table 2-D: Maximum Emissions (under normal operating conditions) - Confiuguration 1

☐ **This Table was intentionally left blank because it would be identical to Table 2-E.**

Maximum Emissions are the emissions at maximum capacity and prior to (in the absence of) pollution control, emission-reducing process equipment, or any other emission reduction. Calculate the hourly emissions using the worst case hourly emissions for each pollutant. For each pollutant, calculate the annual emissions as if the facility were operating at maximum plant capacity without pollution controls for 8760 hours per year, unless otherwise approved by the Department. List Hazardous Air Pollutants (HAP) & Toxic Air Pollutants (TAPs) in Table 2-I. Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
TUR-F-1	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-F-2	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-F-3	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-F-4	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-F-5	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-F-6	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-F-7	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
Totals	892.77	3,699.16	144.93	600.53	20.75	85.99	11.30	49.510	106.53	441.42	106.53	441.42	106.53	441.42	-	-	-	-

[1]**Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but PM is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

Table 2-D: Maximum Emissions (under normal operating conditions) - Configuration 2

☐ **This Table was intentionally left blank because it would be identical to Table 2-E.**

Maximum Emissions are the emissions at maximum capacity and prior to (in the absence of) pollution control, emission-reducing process equipment, or any other emission reduction. Calculate the hourly emissions using the worst case hourly emissions for each pollutant. For each pollutant, calculate the annual emissions as if the facility were operating at maximum plant capacity without pollution controls for 8760 hours per year, unless otherwise approved by the Department. List Hazardous Air Pollutants (HAP) & Toxic Air Pollutants (TAPs) in Table 2-I. Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
TUR-F-1	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-F-2	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-F-3	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-F-4	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	15.22	63.06	-	-	-	-
TUR-H-1	170.78	700.77	27.72	113.76	3.97	16.29	2.16	9.47	20.38	83.62	20.38	83.62	20.38	83.62	-	-	-	-
TUR-H-2	170.78	700.77	27.72	113.76	3.97	16.29	2.16	9.47	20.38	83.62	20.38	83.62	20.38	83.62	-	-	-	-
Totals	851.71	3,515.35	138.27	570.69	19.80	81.72	10.78	47.232	101.63	419.49	101.63	419.49	101.63	419.49	-	-	-	-

[1]**Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but PM is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

Table 2-E: Requested Allowable Emissions - Turbine Configuration 1

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or $1.41E^{-4}$).

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
TUR-F-1	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	10.15	44.44	-	-	-	-
TUR-F-2	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	10.15	44.44	-	-	-	-
TUR-F-3	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	10.15	44.44	-	-	-	-
TUR-F-4	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	10.15	44.44	-	-	-	-
TUR-F-5	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	10.15	44.44	-	-	-	-
TUR-F-6	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	10.15	44.44	-	-	-	-
TUR-F-7	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	10.15	44.44	-	-	-	-
Annual Emissions Cap[2]	85.03	248.90	77.64	241.28	14.82	61.35	8.07	31.828	50.73	189.42	50.73	189.42	50.73	189.42	-	-	-	-

[1] **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

[2] **Annual Emission Cap:** Of the seven (7) turbine units installed, two (2) units are inline spares. At certain total load levels in-line spares may be placed in spinning reserve mode, such that a load equivalent to (5) turbines is spread across six (6) units. Not more than five (5) units will operate simultaneously at maximum emission rates. An annual emission cap based on the operation of five (5) turbines and SSM emissions has been includeded with the totals of this table. See Sec. 6 and 15 for additional details on the proposed emissions cap.

Table 2-E: Requested Allowable Emissions - Turbine Configuration 2

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or $1.41E^{-4}$).

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
TUR-F-1	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	42.04	10.15	42.04	10.15	42.04	-	-	-	-
TUR-F-2	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	42.04	10.15	42.04	10.15	42.04	-	-	-	-
TUR-F-3	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	42.04	10.15	42.04	10.15	42.04	-	-	-	-
TUR-F-4	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	42.04	10.15	42.04	10.15	42.04	-	-	-	-
TUR-H-1	22.77	99.73	20.79	91.07	3.97	17.39	2.16	9.47	12.04	52.74	12.04	52.74	12.04	52.74	-	-	-	-
TUR-H-2	22.77	99.73	20.79	91.07	3.97	17.39	2.16	9.47	12.04	52.74	12.04	52.74	12.04	52.74	-	-	-	-
Annual Emissions Cap[2]	79.55	248.27	72.64	246.95	13.87	56.58	7.55	32.756	44.38	181.08	44.38	181.08	44.38	181.08	-	-	-	-

[1] **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

[2] **Annual Emission Cap:** Of the six (6) turbine units installed, not more than (2) [redacted] units and (2) [redacted] units will operate at their maximum emission rates simultaneously, though one (1) [redacted] unit may be treated as a spinning reserve under certain load conditions. An annual emission cap is based on the operation of four (4) turbines and SSM emissions. See Sec. 6 and 15 for additional details on the proposed emissions cap.

Table 2-F: Additional Emissions during Startup, Shutdown, and Routine Maintenance (SSM) - Configuration 1

☐ This table is intentionally left blank since all emissions at this facility due to routine or predictable startup, shutdown, or scehduled maintenance are no higher than those listed in Table 2-E and a malfunction emission limit is not already permitted or requested. If you are required to report GHG emissions as described in Section 6a, include any GHG emissions during Startup, Shutdown, and/or Scheduled Maintenance (SSM) in Table 2-P. Provide an explanations of SSM emissions in Section 6 and 6a.

All applications for facilities that have emissions during routine our predictable startup, shutdown or scheduled maintenance (SSM)[1], including NOI applications, must include in this table the Maximum Emissions during routine or predictable startup, shutdown and scheduled maintenance (20.2.7 NMAC, 20.2.72.203.A.3 NMAC, 20.2.73.200.D.2 NMAC). In Section 6 and 6a, provide emissions calculations for all SSM emissions reported in this table. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (https://www.env.nm.gov/aqb/permit/aqb_pol.html) for more detailed instructions. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM[2]		PM10[2]		PM2.5[2]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
SSM-1	822.50	*	11,208.75	*	971.25	*	-	-	78.75	*	78.75	*	78.75	*	-	-	-	-
Totals	822.50	-	11,208.75	-	971.25	-	-	-	78.75	-	78.75	-	78.75	-	-	-	-	-

[1] **For instance**, if the short term steady-state Table 2-E emissions are 5 lb/hr and the SSM rate is 12 lb/hr, enter 7 lb/hr in this table. If the annual steady-state Table 2-E emissions are 21.9 TPY, and the number of scheduled SSM events result in annual emissions of 31.9 TPY, enter 10.0 TPY in the table below.

[2] **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

* Annual SSM emissions (ton/yr) totals are included in Table 2-E's total Annual Emissions Cap

Table 2-F: Additional Emissions during Startup, Shutdown, and Routine Maintenance (SSM) - Configuration 2

☐ This table is intentionally left blank since all emissions at this facility due to routine or predictable startup, shutdown, or scehduled maintenance are no higher than those listed in Table 2-E and a malfunction emission limit is not already permitted or requested. If you are required to report GHG emissions as described in Section 6a, include any GHG emissions during Startup, Shutdown, and/or Scheduled Maintenance (SSM) in Table 2-P. Provide an explanations of SSM emissions in Section 6 and 6a.

All applications for facilities that have emissions during routine our predictable startup, shutdown or scheduled maintenance (SSM)[1], including NOI applications, must include in this table the Maximum Emissions during routine or predictable startup, shutdown and scheduled maintenance (20.2.7 NMAC, 20.2.72.203.A.3 NMAC, 20.2.73.200.D.2 NMAC). In Section 6 and 6a, provide emissions calculations for all SSM emissions reported in this table. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (https://www.env.nm.gov/aqb/permit/aqb_pol.html) for more detailed instructions. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM[2]		PM10[2]		PM2.5[2]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
SSM-1	470.00	*	6,405.00	*	555.00	*	-	-	45.00	*	45.00	*	45.00	*	-	-	-	-
SSM-2	235.00	*	3,202.50	*	277.50	*	-		22.50	*	22.50	*	22.50	*	-	-	-	-
Totals	705.00	-	9,607.50	-	832.50	-	-	-	67.50	-	67.50	-	67.50	-	-	-	-	-

[1] **For instance**, if the short term steady-state Table 2-E emissions are 5 lb/hr and the SSM rate is 12 lb/hr, enter 7 lb/hr in this table. If the annual steady-state Table 2-E emissions are 21.9 TPY, and the number of scheduled SSM events result in annual emissions of 31.9 TPY, enter 10.0 TPY in the table below.

[2] **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

* Annual SSM emissions (ton/yr) totals are included in Table 2-E's total Annual Emissions Cap

Table 2-G: Stack Exit and Fugitive Emission Rates for Special Stacks

☑ I have elected to leave this table blank because this facility does not have any stacks/vents that split emissions from a single source or combine emissions from more than one source listed in table 2-A. Additionally, the emission rates of all stacks match the Requested allowable emission rates stated in Table 2-E.

Use this table to list stack emissions (requested allowable) from split and combined stacks. List Toxic Air Pollutants (TAPs) and Hazardous Air Pollutants (HAPs) in Table 2-I. List all fugitives that are associated with the normal, routine, and non-emergency operation of the facility. Unit and stack numbering must correspond throughout the application package. Refer to Table 2-E for instructions on use of the "-" symbol and on significant figures.

Stack No.	Serving Unit Number(s) from Table 2-A	NOx		CO		VOC		SOx		PM		PM10		PM2.5		☐ H_2S or ☐ Lead	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Totals:																	

Table 2-H: Stack Exit Conditions[1]

Unit and stack numbering must correspond throughout the application package. Include the stack exit conditions for each unit that emits from a stack, including blowdown venting parameters and tank emissions. If the facility has multiple operating scenarios, complete a separate Table 2-H for each scenario and, for each, type scenario name here:

Stack Number	Serving Unit Number(s) from Table 2-A	Orientation (H-Horizontal V=Vertical)	Rain Caps (Yes or No)	Height Above Ground (ft)	Temp. (F)	Flow Rate		Moisture by Volume (%)	Velocity (ft/sec)	Inside Diameter (ft)
						(acfs)	(dscfs)			
TUR-F-1	TUR-F-1	V	N	140	840	80786.38	28742.08	< 7.62%	178.58	24.00
TUR-F-2	TUR-F-2	V	N	140	840	80786.38	28742.08	< 7.62%	178.58	24.00
TUR-F-3	TUR-F-3	V	N	140	840	80786.38	28742.08	< 7.62%	178.58	24.00
TUR-F-4	TUR-F-4	V	N	140	840	80786.38	28742.08	< 7.62%	178.58	24.00
TUR-F-5	TUR-F-5	V	N	140	840	80786.38	28742.08	< 7.62%	178.58	24.00
TUR-F-6	TUR-F-6	V	N	140	840	80786.38	28742.08	< 7.62%	178.58	24.00
TUR-F-7	TUR-F-7	V	N	140	840	80786.38	28742.08	< 7.62%	178.58	24.00
TUR-H-1	TUR-H-1	V	N	140	840	105716.42	37001.25	< 7.62%	233.68	24.00
TUR-H-2	TUR-H-2	V	N	140	840	105716.42	37001.25	< 7.62%	233.68	24.00

Note: Exhaust flow rate is 130% of ex turbine exhaust flow to account for tempering air based on process knowledge and interviews with SCR equipment suppliers.

[1] There will be six (6) or seven (7) turbines at this facility. These turbines will consist of either seven (7) [redacted] natural gas fired turbines or four (4) [redacted] and two (2) [redacted] natural gas fired turbines depending on avaliability for purchase. The maximum number of each type of units, seven (7) [redacted] and two (2) [redacted] are presented in this application. Additional explanation on the configuration of turbines is presented in Section 3 of this application.

Table 2-I: Stack Exit and Fugitive Emission Rates for HAPs and TAPs - Configuration 1

In the table below, report the Potential to Emit for each HAP from each regulated emission unit listed in Table 2-A, only if the entire facility emits the HAP at a rate greater than or equal to one (1) ton per year For each such emission unit, HAPs shall be reported to the nearest 0.1 tpy. Each facility-wide Individual HAP total and the facility-wide Total HAPs shall be the sum of all HAP sources calculated to the nearest 0.1 ton per year. Per 20.2.72.403.A.1 NMAC, facilities not exempt [see 20.2.72.402.C NMAC] from TAP permitting shall report each TAP that has an uncontrolled emission rate in excess of its pounds per hour screening level specified in 20.2.72.502 NMAC. TAPs shall be reported using one more significant figure than the number of significant figures shown in the pound per hour threshold corresponding to the substance. Use the HAP nomenclature as it appears in Section 112 (b) of the 1990 CAAA and the TAP nomenclature as it listed in 20.2.72.502 NMAC. Include tank-flashing emissions estimates of HAPs in this table. For each HAP or TAP listed, fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected or the pollutant is emitted in a quantity less than the threshold amounts described above.

Stack No.	Unit No.(s)	Total HAPs		Acetaldehyde ☑ HAP or ☐ TAP		Acrolein ☑ HAP or ☐ TAP		Benzene ☑ HAP or ☐ TAP		Ethylbenzene ☑ HAP or ☐ TAP		Formaldehyde ☑ HAP or ☐ TAP		Xylenes ☑ HAP or ☐ TAP		Toluene ☑ HAP or ☐ TAP		Ammonia ☐ HAP or ☑ TAP	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
TUR-F-1	TUR-F-1	1.17	5.12	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	137.84
TUR-F-2	TUR-F-2	1.17	5.12	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	137.84
TUR-F-3	TUR-F-3	1.17	5.12	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	137.84
TUR-F-4	TUR-F-4	1.17	5.12	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	137.84
TUR-F-5	TUR-F-5	1.17	5.12	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	137.84
TUR-F-6	TUR-F-6	1.17	5.12	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	137.84
TUR-F-7	TUR-F-7	1.17	5.12	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	137.84
SSM-1	SSM-1	15.54	0.047	1.23	3.68E-03	0.20	5.89E-04	0.37	1.10E-03	0.98	2.95E-03	6.82	0.020	1.96	5.89E-03	3.99	0.012	-	-
Annual Emissions Cap[1]		21.38	21.83	1.69	1.72	0.27	0.28	0.51	0.52	1.35	1.38	9.38	9.57	2.70	2.76	5.49	5.60	157.36	620.30

[1] **Annual Emission Cap:** Of the seven (7) turbine units installed, two (2) units are inline spares. At certain total load levels in-line spares may be placed in spinning reserve mode, such that a load equivalent to (5) turbines is spread across six (6) units. Not more than five (5) units will operate simultaneously at maximum emission rates. An annual emission cap based on the operation of five (5) turbines and SSM emissions has been includeded with the totals of this table. See Sec. 6 and 15 for additional details on the proposed emissions cap.

Table 2-I: Stack Exit and Fugitive Emission Rates for HAPs and TAPs - Configuration 2

In the table below, report the Potential to Emit for each HAP from each regulated emission unit listed in Table 2-A, only if the entire facility emits the HAP at a rate greater than or equal to one (1) ton per year For each such emission unit, HAPs shall be reported to the nearest 0.1 tpy. Each facility-wide Individual HAP total and the facility-wide Total HAPs shall be the sum of all HAP sources calculated to the nearest 0.1 ton per year. Per 20.2.72.403.A.1 NMAC, facilities not exempt [see 20.2.72.402.C NMAC] from TAP permitting shall report each TAP that has an uncontrolled emission rate in excess of its pounds per hour screening level specified in 20.2.72.502 NMAC. TAPs shall be reported using one more significant figure than the number of significant figures shown in the pound per hour threshold corresponding to the substance. Use the HAP nomenclature as it appears in Section 112 (b) of the 1990 CAAA and the TAP nomenclature as it listed in 20.2.72.502 NMAC. Include tank-flashing emissions estimates of HAPs in this table. For each HAP or TAP listed, fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected or the pollutant is emitted in a quantity less than the threshold amounts described above.

Stack No.	Unit No.(s)	Total HAPs		Acetaldehyde ☑ HAP or ☐ TAP		Acrolein ☑ HAP or ☐ TAP		Benzene ☑ HAP or ☐ TAP		Ethylbenzene ☑ HAP or ☐ TAP		Formaldehyde ☑ HAP or ☐ TAP		Xylenes ☑ HAP or ☐ TAP		Toluene ☑ HAP or ☐ TAP		Ammonia ☐ HAP or ☑ TAP	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
TUR-F-1	TUR-F-1	1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	130.40
TUR-F-2	TUR-F-2	1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	130.40
TUR-F-3	TUR-F-3	1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	130.40
TUR-F-4	TUR-F-4	1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24	31.47	130.40
TUR-H-1	TUR-H-1	1.56	6.85	0.12	0.51	0.020	0.081	0.037	0.15	0.099	0.41	0.69	2.81	0.20	0.81	0.40	1.65	42.14	184.57
TUR-H-2	TUR-H-2	1.56	6.85	0.12	0.51	0.020	0.081	0.037	0.15	0.099	0.41	0.69	2.81	0.20	0.81	0.40	1.65	42.14	184.57
SSM-1	SSM-1	8.88	0.027	0.70	2.10E-03	0.11	3.37E-04	0.21	6.31E-04	0.56	1.68E-03	3.89	0.012	1.12	3.37E-03	2.28	6.84E-03	-	-
SSM-2	SSM-2	4.44	0.013	0.35	1.05E-03	0.056	1.68E-04	0.11	3.16E-04	0.28	8.42E-04	1.95	5.84E-03	0.56	1.68E-03	1.14	3.42E-03	-	-
Annual Emissions Cap[1]		18.73	23.17	1.48	1.76	0.24	0.28	0.44	0.53	1.18	1.41	8.21	9.79	2.37	2.82	4.81	5.73	147.22	600.58

[1] **Annual Emission Cap:** Of the six (6) turbine units installed, not more than (2) [redacted] units and (2) [redacted] units will operate at their maximum emission rates simultaneously, though one (1) [redacted] unit may be treated as a spinning reserve under certain load conditions. An annual emission cap is based on the operation of four (4) turbines and SSM emissions. See Sec. 6 and 15 for additional details on the proposed emissions cap.

Table 2-J: Fuel[1]

Specify fuel characteristics and usage. Unit and stack numbering must correspond throughout the application package.

Unit No.	Fuel Type (low sulfur Diesel, ultra low sulfur diesel, Natural Gas, Coal, …)	Fuel Source: purchased commercial, pipeline quality natural gas, residue gas, raw/field natural gas, process gas (e.g. SRU tail gas) or other	Specify Units				
			Lower Heating Value	Hourly Usage	Annual Usage	% Sulfur	% Ash
TUR-F-1	Natural Gas	Pipeline Quality Natural Gas / Purchased Commercial	1,020 Btu/scf	2,261 Mscf/h	18,734 MMscf/y	0.25 gr S /100 scf	0.0%
TUR-F-2	Natural Gas	Pipeline Quality Natural Gas / Purchased Commercial	1,020 Btu/scf	2,261 Mscf/h	18,734 MMscf/y	0.25 gr S /100 scf	0.0%
TUR-F-3	Natural Gas	Pipeline Quality Natural Gas / Purchased Commercial	1,020 Btu/scf	2,261 Mscf/h	18,734 MMscf/y	0.25 gr S /100 scf	0.0%
TUR-F-4	Natural Gas	Pipeline Quality Natural Gas / Purchased Commercial	1,020 Btu/scf	2,261 Mscf/h	18,734 MMscf/y	0.25 gr S /100 scf	0.0%
TUR-F-5	Natural Gas	Pipeline Quality Natural Gas / Purchased Commercial	1,020 Btu/scf	2,261 Mscf/h	18,734 MMscf/y	0.25 gr S /100 scf	0.0%
TUR-F-6	Natural Gas	Pipeline Quality Natural Gas / Purchased Commercial	1,020 Btu/scf	2,261 Mscf/h	18,734 MMscf/y	0.25 gr S /100 scf	0.0%
TUR-F-7	Natural Gas	Pipeline Quality Natural Gas / Purchased Commercial	1,020 Btu/scf	2,261 Mscf/h	18,734 MMscf/y	0.25 gr S /100 scf	0.0%
TUR-H-1	Natural Gas	Pipeline Quality Natural Gas / Purchased Commercial	1,020 Btu/scf	3,027 Mscf/h	24,843 MMscf/y	0.25 gr S /100 scf	0.0%
TUR-H-2	Natural Gas	Pipeline Quality Natural Gas / Purchased Commercial	1,020 Btu/scf	3,027 Mscf/h	24,843 MMscf/y	0.25 gr S /100 scf	0.0%

[1] There will be six (6) or seven (7) turbines at this facility. These turbines will consist of either seven (7) [redacted] natural gas fired turbines or four (4) [redacted] and two (2) [redacted] natural gas fired turbines depending on avaliability for purchase. The maximum number of each type of units, seven (7) [redacted] and two (2) [redacted] are presented in this application. Additional explanation on the configuration of turbines is presented in Section 3 of this application.

Table 2-K: Liquid Data for Tanks Listed in Table 2-L

For each tank, list the liquid(s) to be stored in each tank. If it is expected that a tank may store a variety of hydrocarbon liquids, enter "mixed hydrocarbons" in the Composition column for that tank and enter the corresponding data of the most volatile liquid to be stored in the tank. If tank is to be used for storage of different materials, list all the materials in the "All Calculations" attachment, run the newest version of TANKS on each, and use the material with the highest emission rate to determine maximum uncontrolled and requested allowable emissions rate. The permit will specify the most volatile category of liquids that may be stored in each tank. Include appropriate tank-flashing modeling input data. Use additional sheets if necessary. Unit and stack numbering must correspond throughout the application package.

Tank No.	SCC Code	Material Name	Composition	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb*mol)	Average Storage Conditions		Max Storage Conditions	
						Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)

Table 2-L: Tank Data

Include appropriate tank-flashing modeling input data. Use an addendum to this table for unlisted data categories. Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary. See reference Table 2-L2. Note: 1.00 bbl = 10.159 M3 = 42.0 gal

Tank No.	Date Installed	Materials Stored	Seal Type (refer to Table 2-LR below)	Roof Type (refer to Table 2-LR below)	Capacity		Diameter (M)	Vapor Space (M)	Color (from Table VI-C)		Paint Condition (from Table VI-C)	Annual Throughput (gal/yr)	Turn-overs (per year)
					(bbl)	(M^3)			Roof	Shell			

Table 2-L2: Liquid Storage Tank Data Codes Reference Table

Roof Type	Seal Type, Welded Tank Seal Type		Seal Type, Riveted Tank Seal Type		Roof, Shell Color	Paint Condition
FX: Fixed Roof	Mechanical Shoe Seal	Liquid-mounted resilient seal	Vapor-mounted resilient seal	Seal Type	WH: White	Good
IF: Internal Floating Roof	A: Primary only	A: Primary only	A: Primary only	A: Mechanical shoe, primary only	AS: Aluminum (specular)	Poor
EF: External Floating Roof	B: Shoe-mounted secondary	B: Weather shield	B: Weather shield	B: Shoe-mounted secondary	AD: Aluminum (diffuse)	
P: Pressure	C: Rim-mounted secondary	C: Rim-mounted secondary	C: Rim-mounted secondary	C: Rim-mounted secondary	LG: Light Gray	
					MG: Medium Gray	
					BL: Black	
					OT: Other (specify)	

Note: 1.00 bbl = 0.159 M^3 = 42.0 gal

Table 2-M: Materials Processed and Produced (Use additional sheets as necessary.)

Material Processed				Material Produced			
Description	Chemical Composition	Phase (Gas, Liquid, or Solid)	Quantity (specify units)	Description	Chemical Composition	Phase	Quantity (specify units)
Natural Gas	Mixed hydrocarbons	Gas	271.29 MMscf/d	Electricity	N/A	N/A	29,334 MW/d

Table 2-N: CEM Equipment[1,2]

Enter Continuous Emissions Measurement (CEM) Data in this table. If CEM data will be used as part of a federally enforceable permit condition, or used to satisfy the requirements of a state or federal regulation, include a copy of the CEM's manufacturer specification sheet in the Information Used to Determine Emissions attachment. Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary.

Stack No.	Pollutant(s)	Manufacturer	Model No.	Serial No.	Sample Frequency	Averaging Time	Range	Sensitivity	Accuracy
TUR-F-1	NO_X, CO	TBD	TBD	TBD	15-min	1-hr	TBD	TBD	TBD
TUR-F-2	NO_X, CO	TBD	TBD	TBD	15-min	1-hr	TBD	TBD	TBD
TUR-F-3	NO_X, CO	TBD	TBD	TBD	15-min	1-hr	TBD	TBD	TBD
TUR-F-4	NO_X, CO	TBD	TBD	TBD	15-min	1-hr	TBD	TBD	TBD
TUR-F-5	NO_X, CO	TBD	TBD	TBD	15-min	1-hr	TBD	TBD	TBD
TUR-F-6	NO_X, CO	TBD	TBD	TBD	15-min	1-hr	TBD	TBD	TBD
TUR-F-7	NO_X, CO	TBD	TBD	TBD	15-min	1-hr	TBD	TBD	TBD
TUR-H-1	NO_X, CO	TBD	TBD	TBD	15-min	1-hr	TBD	TBD	TBD
TUR-H-2	NO_X, CO	TBD	TBD	TBD	15-min	1-hr	TBD	TBD	TBD

[1] Please refer to Section 20 for additional CEMs information.

[2] There will be six (6) or seven (7) turbines at this facility. These turbines will consist of either seven (7) [redacted] natural gas fired turbines or four (4) [redacted] and two (2) [redacted] natural gas fired turbines depending on avaliability for purchase. The maximum number of each type of units, seven (7) [redacted] and two (2) [redacted] are presented in this application. Additional explanation on the configuration of turbines is presented in Section 3 of this application.

Table 2-O: Parametric Emissions Measurement Equipment

Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary.

Unit No.	Parameter/Pollutant Measured	Location of Measurement	Unit of Measure	Acceptable Range	Frequency of Maintenance	Nature of Maintenance	Method of Recording	Averaging Time
N/A - No Parametric Emissions Measurement Equipment								

Table 2-P: Greenhouse Gas Emissions - Configuration 1

Applications submitted under 20.2.70, 20.2.72, & 20.2.74 NMAC are required to complete this Table. Power plants, Title V major sources, and PSD major sources must report and calculate all GHG emissions for each unit. Applicants must report potential emission rates in short tons per year (see Section 6.a for assistance). Include GHG emissions during Startup, Shutdown, and Scheduled Maintenance in this table. For minor source facilities that are not power plants, are not Title V, or are not PSD, there are three options for reporting GHGs 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHG as a second separate unit; OR 3) check the following box ☐ By checking this box, the applicant acknowledges the total CO2e emissions are less than 75,000 tons per year.

		CO_2 ton/yr	N_2O ton/yr	CH_4 ton/yr	SF_6 ton/yr	PFC/HFC ton/yr[2]									Total GHG Mass Basis ton/yr[4]	Total CO_2e ton/yr[5]
Unit No.	GWPs [1]	1	265	28	22,800	footnote 3										
TUR-F-1	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-F-2	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-F-3	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-F-4	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-F-5	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-F-6	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-F-7	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
SSM-1	mass GHG	46,888	0.08	0.88											46,889	
	CO_2e	46,888	20.072	24.743												46,933
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
Total	mass GHG	7,870,548	14.82	148.33											7,870,711	
	CO_2e	7,870,548	3,927.48	4,153.32												7,878,629

[1] **GWP** (Global Warming Potential): Applicants must use the most current GWPs codified in Table A-1 of 40 CFR part 98. GWPs are subject to change, therefore, applicants need to check 40 CFR 98 to confirm GWP values.

[2] For **HFCs** or **PFCs** describe the specific HFC or PFC compound and use a separate column for each individual compound.

[3] For each new compound, enter the appropriate GWP for each HFC or PFC compound from Table A-1 in 40 CFR 98.

[4] Green house gas emissions on a **mass basis** is the ton per year green house gas emission before adjustment with its GWP.

[5] **CO_2e** means Carbon Dioxide Equivalent and is calculated by multiplying the TPY mass emissions of the green house gas by its GWP.

Table 2-P: Greenhouse Gas Emissions - Configuration 2

Applications submitted under 20.2.70, 20.2.72, & 20.2.74 NMAC are required to complete this Table. Power plants, Title V major sources, and PSD major sources must report and calculate all GHG emissions for each unit. Applicants must report potential emission rates in short tons per year (see Section 6.a for assistance). Include GHG emissions during Startup, Shutdown, and Scheduled Maintenance in this table. For minor source facilities that are not power plants, are not Title V, or are not PSD, there are three options for reporting GHGs 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHG as a second separate unit; OR 3) check the following box ☐ By checking this box, the applicant acknowledges the total CO2e emissions are less than 75,000 tons per year.

		CO_2 ton/yr	N_2O ton/yr	CH_4 ton/yr	SF_6 ton/yr	PFC/HFC ton/yr[2]									Total GHG Mass Basis ton/yr[4]	Total CO_2e ton/yr[5]
Unit No.	GWPs[1]	1	265	28	22,800	footnote 3										
TUR-F-1	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-F-2	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-F-3	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-F-4	mass GHG	1,117,666	2.11	21.06											1,117,689	
	CO_2e	1,117,666	558.20	589.80												1,118,814
TUR-H-1	mass GHG	1,482,119	2.79	27.93											1,482,150	
	CO_2e	1,482,119	740.22	782.12												1,483,641
TUR-H-2	mass GHG	1,482,119	2.79	27.93											1,482,150	
	CO_2e	1,482,119	740.22	782.12												1,483,641
SSM-1	mass GHG	46,888	0.08	0.88											46,889	
	CO_2e	46,888	20.07	24.74												46,933
SSM-2	mass GHG	17,765	0.03	0.33											17,765	
	CO_2e	17,765	7.605	9.375												17,782
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
	mass GHG															
	CO_2e															
Total	mass GHG	7,499,554	14.12	141.34											7,499,710	
	CO_2e	7,499,554	3,740.92	3,957.55												7,507,253

[1] **GWP** (Global Warming Potential): Applicants must use the most current GWPs codified in Table A-1 of 40 CFR part 98. GWPs are subject to change, therefore, applicants need to check 40 CFR 98 to confirm GWP values.

[2] For **HFCs** or **PFCs** describe the specific HFC or PFC compound and use a separate column for each individual compound.

[3] For each new compound, enter the appropriate GWP for each HFC or PFC compound from Table A-1 in 40 CFR 98.

[4] Green house gas emissions on a **mass basis** is the ton per year green house gas emission before adjustment with its GWP.

[5] **CO_2e** means Carbon Dioxide Equivalent and is calculated by multiplying the TPY mass emissions of the green house gas by its GWP.

Section 3

Application Summary

The **Application Summary** shall include a brief description of the facility and its process, the type of permit application, the applicable regulation (i.e. 20.2.72.200.A.X, or 20.2.73 NMAC) under which the application is being submitted, and any air quality permit numbers associated with this site. If this facility is to be collocated with another facility, provide details of the other facility including permit number(s). In case of a revision or modification to a facility, provide the lowest level regulatory citation (i.e. 20.2.72.219.B.1.d NMAC) under which the revision or modification is being requested. Also describe the proposed changes from the original permit, how the proposed modification will affect the facility's operations and emissions, de-bottlenecking impacts, and changes to the facility's major/minor status (both PSD & Title V).

The **Process Summary** shall include a brief description of the facility and its processes.

Startup, Shutdown, and Maintenance (SSM) routine or predictable emissions: Provide an overview of how SSM emissions are accounted for in this application. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on SSM emissions.

Acoma, LLC (Acoma) is proposing to construct a microgrid power generation facility (East Microgrid) in Dona Ana County, NM. The East Microgrid site will consist of a combination of [redacted] natural gas-fired (NGF) turbines, depending on availability for purchase. This application is an initial NSR application being submitted under 20.2.72.200.A(1) NMAC. The site will be a major source for Title V (20.2.70 NMAC).

Acoma is requesting flexibility to pursue one of two potential construction scenarios, subject to an overall limit of seven (7) installed units. The two turbine models have similar emission profiles same control technologies. The [redacted] units have an output rating of approximately 244.5 MW per unit at ISO conditions and site elevation, while the [redacted] units have an output rating of approximately 340.8 MW per unit. Air dispersion modeling performed in support of this application represents a worst-case emissions scenario.

The proposed facility will consist of the following emission sources:

- Power generation turbines
  - Up to seven (7) natural gas-fired (NGF) turbines, including:
    - Between four (4) and seven (7) [redacted] and
    - Up to two (2) [redacted] turbines.
  - Under one construction scenario, (7) [redacted] units will be installed, while under another scenario, (4) [redacted] units and (2) [redacted] units will be installed. All turbines will be equipped with Selective Catalytic Reduction (SCR) for control of nitrogen oxides (NOx), and oxidation catalysts for the control of carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde.
- Exempt sources as follows:
  - Lube oil storage tanks, and
  - Pressurized ammonia storage tanks for the SCR units.
- Planned startup, shutdown, and maintenance operations of the turbines.

Each turbine will be equipped with CEMs to continually measure NO_X and CO emissions. As such, Acoma is requesting an annual emissions cap, as shown in the UA2 Tables to maintain operational flexibility to meet the variable energy demand of the data center client. This requested cap is discussed in detail in Sections 6 and 15 of this application.

Ammonia emissions at this facility are more than the screening level listed in 20.2.72.502 NMAC for this Toxic Air Pollutant (TAP). Supplemental application elements for the TAP review have been prepared in accordance with 20.2.72.403 NMAC and is further discussed in Section 20 of this application.

Section 4

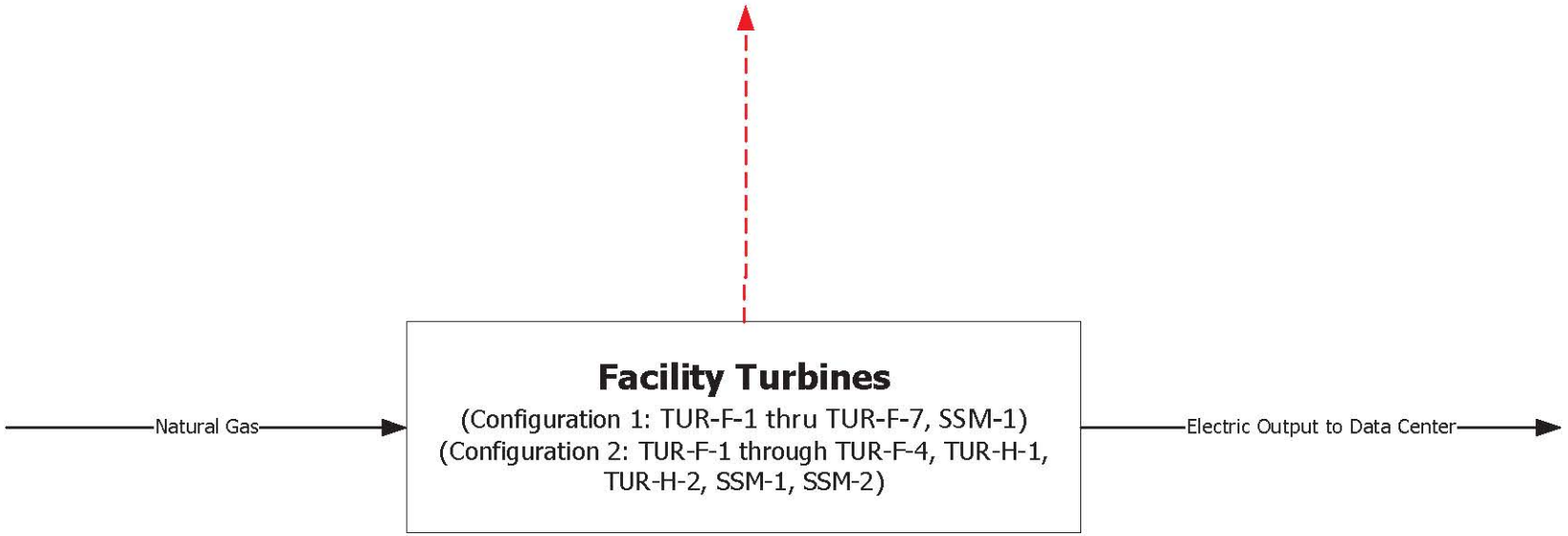
Process Flow Sheet

A **process flow sheet** and/or block diagram indicating the individual equipment, all emission points and types of control applied to those points. The unit numbering system should be consistent throughout this application.

A process flow diagram is attached to this application.

East Microgrid Process Flow Diagram

Acoma , LLC



LEGEND

Process

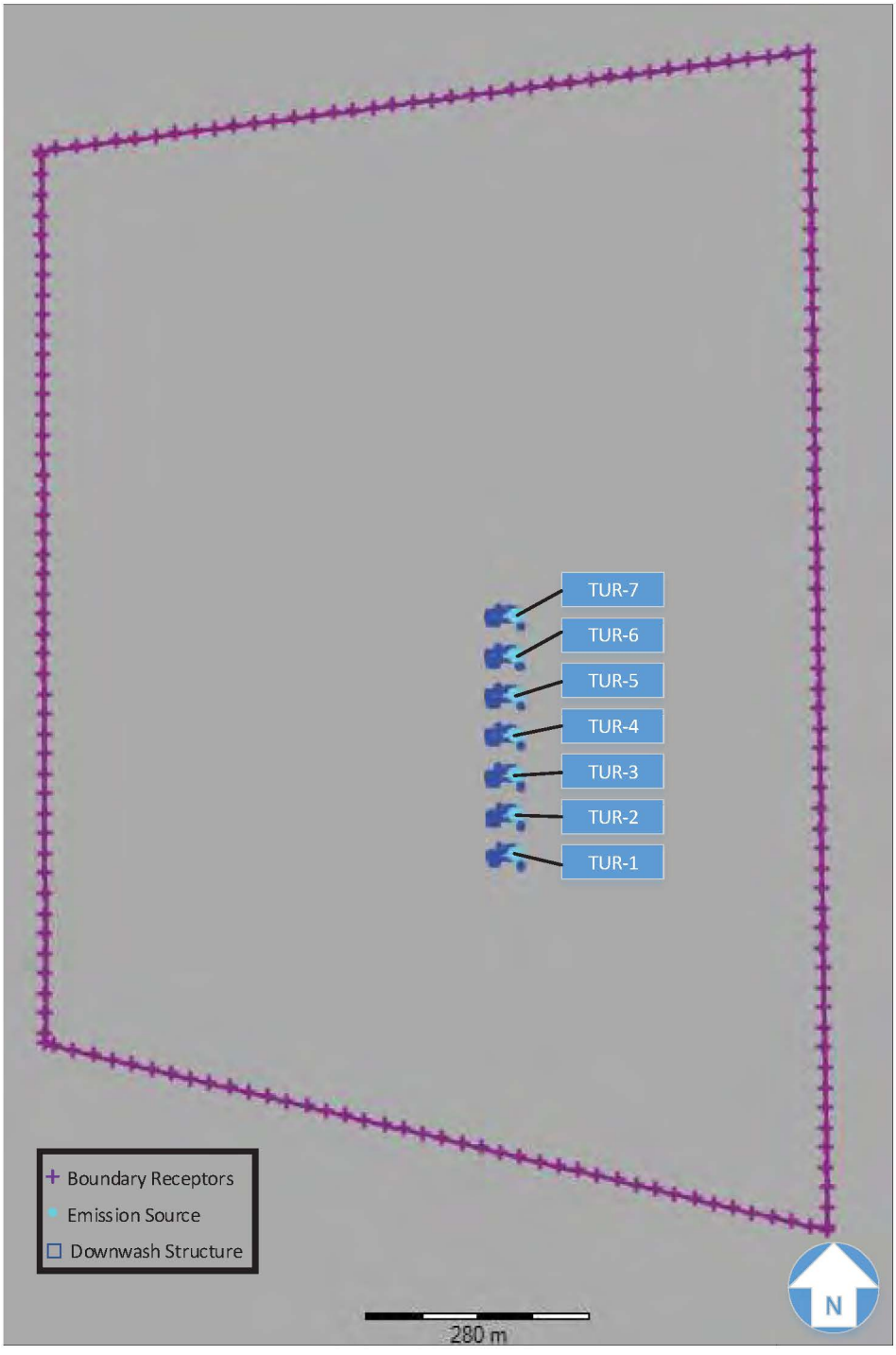
Emissions

Section 5

Plot Plan Drawn To Scale

A **plot plan drawn to scale** showing emissions points, roads, structures, tanks, and fences of property owned, leased, or under direct control of the applicant. This plot plan must clearly designate the restricted area as defined in UA1, Section 1-D.12. The unit numbering system should be consistent throughout this application.

A plot plan is attached to this application.


TUR-7
TUR-6
TUR-5
TUR-4
TUR-3
TUR-2
TUR-1
Boundary Receptors
Emission Source
Downwash Structure
280 m
N

Section 6

All Calculations

Show all calculations used to determine both the hourly and annual controlled and uncontrolled emission rates. All calculations shall be performed keeping a minimum of three significant figures. Document the source of each emission factor used (if an emission rate is carried forward and not revised, then a statement to that effect is required). If identical units are being permitted and will be subject to the same operating conditions, submit calculations for only one unit and a note specifying what other units to which the calculations apply. All formulas and calculations used to calculate emissions must be submitted. The "Calculations" tab in the UA2 has been provided to allow calculations to be linked to the emissions tables. Add additional "Calc" tabs as needed. If the UA2 or other spread sheets are used, all calculation spread sheet(s) shall be submitted electronically in Microsoft Excel compatible format so that formulas and input values can be checked. Format all spread sheets and calculations such that the reviewer can follow the logic and verify the input values. Define all variables. If calculation spread sheets are not used, provide the original formulas with defined variables. Additionally, provide subsequent formulas showing the input values for each variable in the formula. All calculations, including those calculations are imbedded in the Calc tab of the UA2 portion of the application, the printed Calc tab(s), should be submitted under this section.

Tank Flashing Calculations: The information provided to the AQB shall include a discussion of the method used to estimate tank-flashing emissions, relative thresholds (i.e., NOI, permit, or major source (NSPS, PSD or Title V)), accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis. If Hysis is used, all relevant input parameters shall be reported, including separator pressure, gas throughput, and all other relevant parameters necessary for flashing calculation.

SSM Calculations: It is the applicant's responsibility to provide an estimate of SSM emissions or to provide justification for not doing so. In this Section, provide emissions calculations for Startup, Shutdown, and Routine Maintenance (SSM) emissions listed in the Section 2 SSM and/or Section 22 GHG Tables and the rational for why the others are reported as zero (or left blank in the SSM/GHG Tables). Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on calculating SSM emissions. If SSM emissions are greater than those reported in the Section 2, Requested Allowables Table, modeling may be required to ensure compliance with the standards whether the application is NSR or Title V. Refer to the Modeling Section of this application for more guidance on modeling requirements.

Glycol Dehydrator Calculations: The information provided to the AQB shall include the manufacturer's maximum design recirculation rate for the glycol pump. If GRI-Glycalc is used, the full input summary report shall be included as well as a copy of the gas analysis that was used.

Road Calculations: Calculate fugitive particulate emissions and enter haul road fugitives in Tables 2-A, 2-D and 2-E for:

1. If you transport raw material, process material and/or product into or out of or within the facility and have PER emissions greater than 0.5 tpy.
2. If you transport raw material, process material and/or product into or out of the facility more frequently than one round trip per day.

Significant Figures:

A. All emissions standards are deemed to have at least two significant figures, but not more than three significant figures.

B. At least 5 significant figures shall be retained in all intermediate calculations.

C. In calculating emissions to determine compliance with an emission standard, the following rounding off procedures shall be used:

(1) If the first digit to be discarded is less than the number 5, the last digit retained shall not be changed;

(2) If the first digit discarded is greater than the number 5, or if it is the number 5 followed by at least one digit other than the number zero, the last figure retained shall be increased by one unit; **and**

(3) If the first digit discarded is exactly the number 5, followed only by zeros, the last digit retained shall be rounded upward if it is an odd number, but no adjustment shall be made if it is an even number.

(4) The final result of the calculation shall be expressed in the units of the standard.

Control Devices: In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device regardless if the applicant takes credit for the reduction in emissions. The applicant can indicate in this section of the

application if they chose to not take credit for the reduction in emission rates. For notices of intent submitted under 20.2.73 NMAC, only uncontrolled emission rates can be considered to determine applicability unless the state or federal Acts require the control. This information is necessary to determine if federally enforceable conditions are necessary for the control device, and/or if the control device produces its own regulated pollutants or increases emission rates of other pollutants.

See the page immediately following this one describing emission calculation methodologies and sample calculations for all pollutants for the combustion turbines.

For purposes of calculating emissions of CO2e, Global Warming Potentials (GWPs) are obtained from Table A-1 of Part 98, Subpart A. Specifically, the following emission factors are used:

Constituent	Emission Factor	GWP	Source
CO_2	53.06 kg/MMBtu	1	Table C-1
CH_4	0.001 kg/MMBtu	28	Table C-2
N_2O	0.0001 kg/MMBtu	265	Table C-2
CO_2e	117.1 lb/MMBtu	—	Calculated from above values and GWP's.

Where an annual cap covering several emission units is proposed, it is estimated using the following procedures:

- Calculate a per unit cap-contribution based on 100% utilization using the equations above. This value will be the same as the individual unit annual emission rate except where a lower target concentration (for example, based on CO or NO_X control device set point) is used.
- Apply a factor to account for non-emitting in-line spares.
  - Under configuration 1, of the seven (7) installed units two (2) are inline spares.[1] Therefore, the adjustment factor is equal to 5/7, or 71.4%.
  - Under configuration 2, two (2) of the four (4) [redacted] units may be designated in-line spares while both of the two (2) [redacted] units would be dedicated to continuous service. Therefore, the adjustment factor is 2/4 or 50% for the [redacted] units and 100% for the [redacted] units.[2]
- Apply a factor to account for the fleet average dispatch rate of the on-line turbines. An average dispatch rate of 90% is used under configuration 1, and an average dispatch rate of 99% is used under configuration 2.
- Take the product of the previous three numbers and multiply this by the total number of turbines. I.e., seven (7) for configuration 1. For configuration 2 the products are figured separately for the [redacted] and [redacted] tranches.
- Startup and shutdown emissions are included in the annual emissions caps.

The calculation sheets entitled "Controlled Emission Summary" shows the calculation of each annual emissions cap for the two bounding scenarios (Configuration 1 and 2).

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[1] At certain total load levels in-line spares may be placed in spinning reserve mode, such that a load equivalent to (5) turbines is spread across six (6) units. Not more than five (5) units will operate simultaneously at maximum emission rates.

[2] The same considerations apply to the occasional use of units as spinning reserves under Configuration 2. Not more than (2) [redacted] units and (2) [redacted] units will operate at their maximum emission rates simultaneously, though one (1) [redacted] unit may be treated as a spinning reserve under certain load conditions.

Sample Calculations

Combustion Turbines

Calculating Fuel Consumption Rate

The equipment vendor's data sheet showing output and heat rate at site conditions is used to estimate the fuel consumption rate at baseload (100% load) operating conditions. At baseload the firing rate is physically limited by temperature tolerances of the equipment. Therefore, cooler inlet air conditions result in higher fuel consumption rates. The worst-case hourly fuel consumption rate is based on a realistic lowest expected temperature, while the annual average fuel consumption rate at 100% load is based on a representative annual average ambient temperature. A sample calculation is shown below

$$Q = \text{HR} \times \text{Output}$$

$$2181.4\,\frac{\text{MMBtu (HHV)}}{\text{hr}} = 224.56\,\text{MW} \times 9714\,\frac{\text{Btu (HHV)}}{\text{kWh}} \times \frac{1\,\text{kW}\cdot 1\,\text{MMBtu}}{1000\,\text{MW}\cdot 1\,\text{Btu}} \tag{1}$$

Where the manufacturer specifies the heat rate on an LHV (lower heating value) basis, a customary correction factor of 1.1 is applied to estimate the heat rate on a HHV (higher heating value) basis.

Converting an Exhaust Standard to an Emission Factor

Equation 19-1 in 40 CFR Part 60, Appendix A-7 is used to convert emission standard for gaseous pollutants in units of ppmv or ppbv to units of lb/MMBtu (HHV), using the dry F-factors given in Table 19-2 of that appendix. An example is given for an NH_3 standard of 10 ppmvd at 15% O_2.

$$\text{EF} = F_d \times \frac{1}{V_{\text{std}}} \times C_d \times \frac{20.9 - 0}{20.9 - \%\text{O}_{2d}} \times \text{MW}$$

$$0.01365\,\frac{\text{lb}}{\text{MMBtu}} = 8710\,\frac{\text{dscf}}{\text{MMBtu}} \times \frac{1\,\text{lbmol}}{385\,\text{scf}} \times \frac{10\,\text{lbmol NH}_3}{10^6\,\text{lbmol}} \times \frac{20.9}{20.9 - 15} \times \frac{17.03\,\text{lb}}{\text{lbmol}} \tag{2}$$

Converting a Fuel Sulfur Standard to an Emission Factor

A fuel sulfur standard is converted to an emission factor using engineering units conversion, assuming that each molecule of sulfur in the fuel is converted to one molecular of SO_2. Assume that the average gross heating value of natural gas is 1020 Btu/scf.[1]

$$\frac{0.25\,\text{gr S}}{100\,\text{scf}} \times \frac{1\,\text{lb S}}{7000\,\text{gr S}} \times \frac{64\,\text{lb SO}_2}{32\,\text{lb S}} \times \frac{1\,\text{scf}}{1020\,\text{Btu}} \times \frac{10^6\,\text{Btu}}{1\,\text{MMBtu}} = 0.0007\,\frac{\text{lb}}{\text{MMBtu}} \tag{3}$$

[1] AP-42 Sec. 1.4.1.

Calculating Emissions

For gaseous pollutants the exhaust standard is converted to an emission factor unless an emission factor in units of lb/MMBtu is supplied. For SO_2 the emission factor is derived from the fuel quality standard. For particulate matter the emission factor is given in units of lb/MMBtu.

$$\text{ER} = Q \times \text{EF}$$

$$137.86 \frac{\text{ton NH}_3}{\text{yr}} = 2305.93 \frac{\text{MMBtu}}{\text{hr}} \times 0.01365 \frac{\text{lb}}{\text{MMBtu}} \times \frac{8760\,\text{hr}}{\text{yr}} \times \frac{1\,\text{ton}}{2000\,\text{lb}} \tag{4}$$

The source of each emission factor is reflected in the accompanying calculation sheets.

Gas Turbine Startup and Shutdown Emissions

Vendor data for startups and shutdowns are provided based on pounds of emissions per event. Emissions of NOx, CO, and VOC are expected to be higher during startup and shutdown conditions. Heavy duty gas turbines require a longer duration for startups and have higher CO emissions than aeroderivative units.

Section 6.a

Green House Gas Emissions

(Submitting under 20.2.70, 20.2.72 20.2.74 NMAC)

Title V (20.2.70 NMAC), Minor NSR (20.2.72 NMAC), and PSD (20.2.74 NMAC) applicants must estimate and report greenhouse gas (GHG) emissions to verify the emission rates reported in the public notice, determine applicability to 40 CFR 60 Subparts, and to evaluate Prevention of Significant Deterioration (PSD) applicability. GHG emissions that are subject to air permit regulations consist of the sum of an aggregate group of these six greenhouse gases: carbon dioxide (CO_2), nitrous oxide (N_2O), methane (CH_4), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).

Calculating GHG Emissions:

1. Calculate the ton per year (tpy) GHG mass emissions and GHG CO_2e emissions from your facility.
2. GHG mass emissions are the sum of the total annual tons of greenhouse gases without adjusting with the global warming potentials (GWPs). GHG CO_2e emissions are the sum of the mass emissions of each individual GHG multiplied by its GWP found in Table A-1 in 40 CFR 98 Mandatory Greenhouse Gas Reporting.
3. Emissions from routine or predictable start up, shut down, and maintenance must be included.
4. Report GHG mass and GHG CO_2e emissions in Table 2-P of this application. Emissions are reported in **short** tons per year and represent each emission unit's Potential to Emit (PTE).
5. All Title V major sources, PSD major sources, and all power plants, whether major or not, must calculate and report GHG mass and CO2e emissions for each unit in Table 2-P.
6. For minor source facilities that are not power plants, are not Title V, and are not PSD there are three options for reporting GHGs in Table 2-P: 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHGs as a second separate unit; 3) or check the following ☐ By checking this box, the applicant acknowledges the total CO2e emissions are less than 75,000 tons per year.

Sources for Calculating GHG Emissions:

- Manufacturer's Data
- AP-42 Compilation of Air Pollutant Emission Factors at http://www.epa.gov/ttn/chief/ap42/index.html
- EPA's Internet emission factor database WebFIRE at http://cfpub.epa.gov/webfire/
- 40 CFR 98 Mandatory Green House Gas Reporting except that tons should be reported in short tons rather than in metric tons for the purpose of PSD applicability.
- API Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry. August 2009 or most recent version.
- Sources listed on EPA's NSR Resources for Estimating GHG Emissions at http://www.epa.gov/nsr/clean-air-act-permitting-greenhouse-gases:

Global Warming Potentials (GWP):
Applicants must use the Global Warming Potentials codified in Table A-1 of the most recent version of 40 CFR 98 Mandatory Greenhouse Gas Reporting. The GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to that of one unit mass of CO_2 over a specified time period.

"Greenhouse gas" for the purpose of air permit regulations is defined as the aggregate group of the following six gases: carbon dioxide, nitrous oxide, methane, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. **(20.2.70.7 NMAC, 20.2.74.7 NMAC).** You may also find GHGs defined in 40 CFR 86.1818-12(a).

Metric to Short Ton Conversion:
Short tons for GHGs and other regulated pollutants are the standard unit of measure for PSD and title V permitting programs. 40 CFR 98 Mandatory Greenhouse Reporting requires metric tons.
1 metric ton = 1.10231 short tons (per Table A-2 to Subpart A of Part 98 – Units of Measure Conversions)

Greenhouse gases are calculated as described in Section 6.

Acoma, LLC - East Microgrid

Emission Summary - Configuration 1 - (7) [redacted] Turbines

Uncontrolled Emissions

Unit	Description	NO_x		CO		VOC		SO_2		PM_{10}		$PM_{2.5}$		Ammonia		Total HAPs	
		lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
TUR-F-1	[redacted]	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-F-2		127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-F-3		127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-F-4		127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-F-5		127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-F-6		127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-F-7		127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
SSM-1		822.50	2.47	11,208.75	33.63	971.25	2.91	-	-	78.75	0.24	78.75	0.24	-	-	15.54	0.047
Sum of Emissions		**1,715.27**	**3,701.63**	**11,353.68**	**634.15**	**992.00**	**88.90**	**11.30**	**49.51**	**185.28**	**441.66**	**185.28**	**441.66**	**220.30**	**912.80**	**31.59**	**66.55**

Controlled Emissions

Unit	Description	NO_x		CO		VOC		SO_2		PM_{10}		$PM_{2.5}$		Ammonia		Total HAPs	
		lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
TUR-F-1	[redacted]	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	31.47	137.84	1.17	5.12
TUR-F-2		17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	31.47	137.84	1.17	5.12
TUR-F-3		17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	31.47	137.84	1.17	5.12
TUR-F-4		17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	31.47	137.84	1.17	5.12
TUR-F-5		17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	31.47	137.84	1.17	5.12
TUR-F-6		17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	31.47	137.84	1.17	5.12
TUR-F-7		17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	44.44	10.15	44.44	31.47	137.84	1.17	5.12
SSM-1		822.50	2.47	11,208.75	33.63	971.25	2.91	-	-	78.75	0.24	78.75	0.24	-	-	15.54	0.047
Sum of Emissions		**941.54**	523.85	**11,317.45**	509.73	**992.00**	93.81	**11.30**	49.51	**149.77**	311.32	**149.77**	311.32	**220.30**	964.91	**23.72**	35.86
Annual Emissions Cap[1]		**907.53**	**248.90**	**11,286.39**	**241.28**	**986.07**	**61.35**	**8.07**	**31.83**	**129.48**	**189.42**	**129.48**	**189.42**	**157.36**	**620.30**	**21.38**	**23.07**

[1]Of the seven (7) turbine units installed, during normal operations only five (5) units will operate at 100% load simultaneously. An annual emission cap is based on the operation of 5 turbines and SSM emissions. See Section 15 for additional details.

Emission Summary - HAPs - Configuration 1 - (7) [redacted] Turbines

HAP Emissions																
Unit	Description	Total HAPs		Acetaldehyde		Acrolein		Benzene		Ethylbenzene		Formaldehyde		Xylenes		Toluene	
		lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
TUR-F-1	[redacted]	1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-F-2		1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-F-3		1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-F-4		1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-F-5		1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-F-6		1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-F-7		1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
SSM-1		15.54	0.047	1.23	3.68E-03	0.20	5.89E-04	0.37	1.10E-03	0.98	2.95E-03	6.82	0.020	1.96	5.89E-03	3.99	0.012
Sum of Emissions		**23.72**	33.93	**1.87**	2.68	**0.30**	0.43	**0.56**	0.80	**1.50**	2.14	**10.40**	14.88	**3.00**	4.29	**6.09**	8.71
Annual Emissions Cap[1]		**21.38**	**21.83**	**1.69**	**1.72**	**0.27**	**0.28**	**0.51**	**0.52**	**1.35**	**1.38**	**9.38**	**9.57**	**2.70**	**2.76**	**5.49**	**5.60**

[1]Of the seven (7) turbine units installed, during normal operations only five (5) units will operate at 100% load simultaneously. An annual emission cap is based on the operation of 5 turbines and SSM emissions. See Section 15 for additional details.

Acoma, LLC - East Microgrid

Emission Summary - GHG - Configuration 1 - (7) [redacted] Turbines

GHG Emissions						
Unit	Description	CO_2	CH_4	N_2O	GHG	CO_2e[1]
		tpy	tpy	tpy	tpy	tpy
TUR-F-1	[redacted]	1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-F-2		1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-F-3		1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-F-4		1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-F-5		1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-F-6		1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-F-7		1,117,666	21.06	2.11	1,117,689	1,118,814
SSM-1		46,888	0.88	0.076	135,232	135,232
Total		**7,870,548**	**148.33**	**14.82**	**7,959,054**	**7,966,928**

[1] CO_2e emission calculation (tpy): CO_2 (tpy) + (CH_4*28) (tpy) + (N_2O*265) (tpy)

Acoma, LLC - East Microgrid

Emission Summary - Configuration 2 - (4) [redacted] Turbines & (2) [redacted] Turbines

Uncontrolled Emissions

Unit	Description	NO_x		CO		VOC		SO_2		PM_{10}		$PM_{2.5}$		Ammonia		Total HAPs	
		lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
TUR-F-1	[redacted]	127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-F-2		127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-F-3		127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-F-4		127.54	528.45	20.70	85.79	2.96	12.28	1.61	7.07	15.22	63.06	15.22	63.06	31.47	130.40	2.29	9.50
TUR-H-1		170.78	700.77	27.72	113.76	3.97	16.29	2.16	9.47	20.38	83.62	20.38	83.62	42.14	184.57	3.07	12.60
TUR-H-2		170.78	700.77	27.72	113.76	3.97	16.29	2.16	9.47	20.38	83.62	20.38	83.62	42.14	184.57	3.07	12.60
SSM-1		470.00	1.41	6,405.00	19.22	555.00	1.67	-	-	45.00	0.14	45.00	0.14	-	-	8.88	0.027
SSM-2		235.00	0.71	3,202.50	9.61	277.50	0.83	-	-	22.50	0.068	22.50	0.068	-	-	4.44	0.013
Sum of Emissions		1,556.71	3,517.47	9,745.77	599.51	852.30	84.21	10.78	47.23	169.13	419.69	169.13	419.69	210.17	890.75	28.63	63.24

Controlled Emissions

Unit	Description	NO_x		CO		VOC		SO_2		PM_{10}		$PM_{2.5}$		Ammonia		Total HAPs	
		lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
TUR-F-1	[redacted]	17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	42.04	10.15	42.04	31.47	130.40	1.17	4.84
TUR-F-2		17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	42.04	10.15	42.04	31.47	130.40	1.17	4.84
TUR-F-3		17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	42.04	10.15	42.04	31.47	130.40	1.17	4.84
TUR-F-4		17.01	74.48	15.53	68.02	2.96	12.99	1.61	7.07	10.15	42.04	10.15	42.04	31.47	130.40	1.17	4.84
TUR-H-1		22.77	99.73	20.79	91.07	3.97	17.39	2.16	9.47	12.04	52.74	12.04	52.74	42.14	184.57	1.56	6.85
TUR-H-2		22.77	99.73	20.79	91.07	3.97	17.39	2.16	9.47	12.04	52.74	12.04	52.74	42.14	184.57	1.56	6.85
SSM-1		470.00	1.41	6,405.00	19.22	555.00	1.67	-	-	45.00	0.14	45.00	0.14	-	-	8.88	0.027
SSM-2		235.00	0.71	3,202.50	9.61	277.50	0.83	-	-	22.50	0.068	22.50	0.068	-	-	4.44	0.013
Sum of Emissions		583.56	498.81	6,508.70	473.42	574.80	88.38	10.78	47.23	109.67	273.78	109.67	273.78	210.17	890.75	16.68	33.09
Annual Emissions Cap[1]		784.55	248.27	9,680.14	246.95	846.37	56.58	7.55	32.76	111.88	181.08	111.88	181.08	147.22	600.58	18.79	22.29

[1]Of the six (6) turbine units installed, during normal operations only two (2) [redacted] and two (2) [redacted] units will operate at 100% load simultaneously. An annual emission cap is based on the operation of four (4) turbines and SSM emissions. See Section 15 for additional details.

Acoma, LLC - East Microgrid

Emission Summary - HAPs - Configuration 2 - (4) [redacted] Turbines & (2) [redacted] Turbines

HAP Emissions																
Unit	Description	Total HAPs		Acetaldehyde		Acrolein		Benzene		Ethylbenzene		Formaldehyde		Xylenes		Toluene	
		lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
TUR-F-1	[redacted]	1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-F-2		1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-F-3		1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-F-4		1.17	4.84	0.092	0.38	0.015	0.061	0.028	0.11	0.074	0.31	0.51	2.12	0.15	0.61	0.30	1.24
TUR-H-1		1.56	6.85	0.12	0.51	0.020	0.081	0.037	0.15	0.099	0.41	0.69	2.81	0.20	0.81	0.40	1.65
TUR-H-2		1.56	6.85	0.12	0.51	0.020	0.081	0.037	0.15	0.099	0.41	0.69	2.81	0.20	0.81	0.40	1.65
SSM-1		8.88	0.027	0.70	2.10E-03	0.11	3.37E-04	0.21	6.31E-04	0.56	1.68E-03	3.89	0.012	1.12	3.37E-03	2.28	6.84E-03
SSM-2		4.44	0.013	0.35	1.05E-03	0.056	1.68E-04	0.11	3.16E-04	0.28	8.42E-04	1.95	5.842E-03	0.56	1.68E-03	1.14	3.42E-03
Sum of Emissions		**16.68**	33.09	**1.32**	2.54	**0.21**	0.41	**0.40**	0.76	**1.05**	2.04	**7.32**	14.13	**2.11**	4.07	**4.28**	8.27
Annual Emissions Cap[1]		**18.73**	**23.17**	**1.48**	**1.76**	**0.24**	**0.28**	**0.44**	**0.53**	**1.18**	**1.41**	**8.21**	**9.79**	**2.37**	**2.82**	**4.81**	**5.73**

[1]Of the six (6) turbine units installed, during normal operations only two (2) [redacted] and two (2) [redacted] units will operate at 100% load simultaneously. An annual emission cap is based on the operation of 4 turbines and SSM emissions. See Section 15 for additional details.

Acoma, LLC - East Microgrid

Emission Summary - GHG - Configuration 2 - (4) [redacted] Turbines & (2) [redacted] Turbines

GHG Emissions						
Unit	Description	CO_2	CH_4	N_2O	GHG	CO_2e[1]
		tpy	tpy	tpy	tpy	tpy
TUR-F-1	[redacted]	1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-F-2		1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-F-3		1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-F-4		1,117,666	21.06	2.11	1,117,689	1,118,814
TUR-H-1		1,482,119	27.93	2.79	1,482,150	1,483,641
TUR-H-2		1,482,119	27.93	2.79	1,482,150	1,483,641
SSM-1		46,888	0.88	0.076	46,889	46,933
SSM-2		17,765	0.33	0.029	17,765	17,782
Total		**7,499,554**	**141.34**	**14.12**	**7,499,710**	**7,507,253**

[1] CO_2e emission calculation (tpy): CO_2 (tpy) + (CH_4*28) (tpy) + (N_2O*265) (tpy)

Turbine Configuration 1 Summary

Annual Emissions Cap Calculation

Pollutant	Controlled [redacted] Emissions per Unit (100% Activity)	No. Units Installed	Total No. Units Installed	of which spares	Dispatch Rate	Overall Activity Level	Level of Emissions Cap
NOx	55.31 tons/yr	7	7	2	90%	64%	248.9 tons/yr
CO	53.62 tons/yr	7	7	2	90%	64%	241.3 tons/yr
VOC	12.28 tons/yr	7	7	2	90%	64%	55.3 tons/yr
SO2	7.0728 tons/yr	7	7	2	90%	64%	31.828 tons/yr
PM	42.04 tons/yr	7	7	2	90%	64%	189.2 tons/yr
NH3	130.40 tons/yr	7	7	2	90%	64%	586.8 tons/yr
HAPs	4.84 tons/yr	7	7	2	90%	64%	21.8 tons/yr

Turbine Configuration 2 Summary

Annual Emissions Cap Calculation

Pollutant	Controlled [redacted] Emissions per Unit Cap Contribution (100% Activity)	Controlled [redacted] Emissions per Unit Cap Contribution (100% Activity)	[redacted] Units Installed	of which spares	[redacted] Units Installed	of which spares2	Dispatch Rate	[redacted] Activity Level	[redacted] Activity Level	Level of Emissions Cap
NOx	55.31 tons/yr	70.08 tons/yr	4	2	2	-	99%	50%	99%	248.3 tons/yr
CO	53.62 tons/yr	71.10 tons/yr	4	2	2	-	99%	50%	99%	246.9 tons/yr
VOC	12.28 tons/yr	16.29 tons/yr	4	2	2	-	99%	50%	99%	56.6 tons/yr
SO2	7.0728 tons/yr	9.4706 tons/yr	4	2	2	-	99%	50%	99%	32.76 tons/yr
PM	42.04 tons/yr	49.41 tons/yr	4	2	2	-	99%	50%	99%	181.1 tons/yr
NH3	130.40 tons/yr	172.92 tons/yr	4	2	2	-	99%	50%	99%	600.6 tons/yr
HAPs	4.84 tons/yr	6.42 tons/yr	4	2	2	-	99%	50%	99%	22.3 tons/yr

[redacted] Turbines

Emission Unit: TUR-F-1 through TUR-F-7
Source Description: Combustion Turbines (Electric Generating)
Make/Model [redacted]
Type: Natural Gas

Worst-case Hourly Parameter	Value	Unit	Comment	Annual Average Parameter (100% Activity Level)	Value	Unit	Comment
Make/Model	[redacted]			Make/Model	[redacted]		
Ambient Temperature	-5	F	Minimum Temp.	Ambient Temperature	75	F	ISO Conditions
Net Output Power	244.5	MW	Manufacturer Specs	Net Output Power	224.6	MW	Manufacturer Specs
Fuel Heat Value[1]	1,020.00	Btu/scf	Natural Gas Standard (HHV)	Fuel Heat Value	1,020.00	Btu/scf	Natural Gas Standard (HHV)
Rated Net Heat Rate	9,433	Btu/kWh	Manufacturer Specs, HHV	Rated Net Heat Rate	9,714	Btu/kWh	Manufacturer Specs, HHV
Fuel Rate	37,678.67	scfm	Calculated	Fuel Rate	35,643.87	scfm	Calculated
Heat Input	2305.93	MMBtu/hr (HHV)	Calculated	Heat Input	2181.40	MMBtu/hr (HHV)	Calculated
Hourly Fuel Rate	2260.72	Mscf/hr	Calculated	Hourly Fuel Rate	2138.63	Mscf/hr	Calculated
				Hours of Operation	8,760	hrs/yr	Maximum schedule for any single unit
				Annual Fuel Rate	18,734.42	MMscf/yr	Calculated

Uncontrolled Emissions (per unit)

Pollutant	NO_x	CO	VOC	SO_2	PM	Formaldehyde	Total HAP	Units	Comment
Note Reference	2,3	2,3	2,4	5	4,6	3,7			
Molecular Weight	46.01	28.01	16.04					lb/lbmol	VOC as methane
Emission Factors	15.00	4.00	1.00					ppm	Vendor specification
	0.055	0.009	0.001	7.00E-04	0.0066	7.10E-04		lb/MMBtu	Vendor specification, Calculated value[3] or AP 42[4]
				2.50E-03				gr S/scf	NM Max for pipeline quality natural gas
Emissions	**127.54**	**20.70**	**2.96**	**1.61**	**15.22**	**1.64**	**2.29**	lb/hr	
	528.45	**85.79**	**12.28**	**7.07**	**63.06**	**6.78**	**9.50**	tpy	Maximum emissions at 100% activity level

Controlled Emissions (per unit)

Pollutant	NO_x	CO	VOC	SO_2	PM	Formaldehyde	Ammonia	Total HAP	Units	Notes
Note Reference	3,8	3,8	3,8	5	4,6	3,7	3,8			
Molecular Weight	46.01	28.01	16.04			30.03	17.03		lb/lbmol	VOC as methane
Emission Factors	2	3.0	1.00			0.91	10.0		ppm	Vendor specification, Hourly Average
	1.57	2.5	1.0			0.91	10.0		ppm	Vendor specification, Pooled Annual Average
	7.37E-03	6.73E-03	1.29E-03			2.22E-04	1.36E-02		lb/MMBtu	Hourly Calculated value[3] or AP-42[4]
	5.79E-03	5.61E-03	1.29E-03		4.40E-03	2.22E-04	1.36E-02		lb/MMBtu	Pooled Annual Calculated value[3] or vendor specification[4]
	87%	25%	0.00%			69%	-		%	% Reduction
Emissions	**17.01**	**15.53**	**2.96**	**1.61**	**10.15**	**0.51**	**31.47**	**1.17**	lb/hr	Maximum individual unit hourly emission rate
	74.48	**68.02**	**12.99**	**7.07**	**44.44**	**2.24**	**137.84**	**5.12**	tpy	Individual unit PTE (lb/hr rate @ 8760 hr/yr)
	55.31	**53.62**	**12.28**	**7.07**	**42.04**	**2.12**	**130.40**	**4.84**	tpy	Cap contribution (100% activity level basis)

Speciated HAP Emission Calculations (per unit)

	Acetaldehyde[9]	Acrolein[9]	Benzene[9]	Ethylbenzene[9]	Xylenes[9]	Toluene[9]	Units	Notes
Emission Factors	4.00E-05	6.40E-06	1.20E-05	3.20E-05	6.40E-05	1.30E-04	lb/MMBtu	AP 42 Table 3.1-3
Emissions	**0.092**	**0.015**	**0.028**	**0.074**	**0.15**	**0.30**	lb/hr	AP 42 Table 3.1-3
	0.38	**0.061**	**0.11**	**0.31**	**0.61**	**1.24**	tpy	AP 42 Table 3.1-3

Annual Emissions Cap Calculation

Turbine Make/Model	Pollutant	Controlled Emissions per Unit (100% Activity)	No. Units Installed	of which spares	Dispatch Rate	Overall Activity Level	Estimated Fleet-wide Annual Output	Level of Emissions Cap
[redacted]	NOx	55.31 tons/yr	7	2	90%	64%	1,010.5 MW	248.9 tons/yr
	CO	53.62 tons/yr	7	2	90%	64%	1,010.5 MW	241.3 tons/yr
	VOC	12.28 tons/yr	7	2	90%	64%	1,010.5 MW	55.3 tons/yr
	PM	42.04 tons/yr	7	2	90%	64%	1,010.5 MW	189.2 tons/yr

NOTES

[1] This value is based on the average HHV Btu/scf from the AP-42 Appendix A

[2] Inlet NO_x, CO, and VOC emission factors are taken from the vendor's exhaust study. Updated outlet emission factors are conservative estimates.

[3] Emission factors (lb/MMBtu) = ppmv / 10^6 / molar volume * MW (NO_x /CO/VOC/HCHO/NH_3) * F_d Factor * 20.9 / (20.9 - $\%O_2$)
Molar Volume (dscf/lb-mol): 385.0
MW (lb/lb-mol) = 46.01 NO_x & 28.01 CO & 16.04 VOC & 30.031 HCHO & 17.03 NH_3
F_d (dscf/MMBtu) = 8710 (40 CFR 60 Appendix A Method 19 Table 19-2)
%O2 (Dry) = 15%

[4] Emission factors for PM are from manufacturer's exhaust data sheet and supplier's emissions letter.

[5] SO_2 emissions are based on fuel consumption and fuel sulfur content of 0.25 grain of sulfur per 100 scf
0.25 gr S/100 scf * fuel scf/hr * 1 lb/7000 gr * 64 lb-mol SO_2/ 32 lb-mol S = lb/hr SO_2

[6] Assumes PM (Filterable + Condensable) = PM_{10} = $PM_{2.5}$

[7] Post-control formaldehyde emissions are based on 91 ppbvd (15% O_2) per supplier's emissions letter. Reduction reflects difference between AP-42 figure and outlet concentration.

[8] NO_x, CO, and Ammonia (NH_3) emission factors for post-control emissions are per supplier's emissions letter. Ammonia emissions are a result of ammonia slip with the SCR.

[9] AP-42 Table 3.1-3 & adjusted for 1020 Btu/scf

[redacted] Turbines

Emission Unit: TUR-H-1 through TUR-H-2
Source Description: Combustion Turbines (Electric Generating)
Make/Model: [redacted]
Type: Natural Gas

Worst-case Hourly Parameter	Value	Unit	Comment	Annual Average Parameter (100% Activity Level)	Value	Unit	Comment
Make/Model	[redacted]			Make/Model	[redacted]		
Ambient Temperature	35	F	Minimum Temp.	Ambient Temperature	72	F	ISO Conditions
Net Output Power	340.8	MW	Manufacturer Specs	Net Output Power	314.8	MW	Manufacturer Specs
Fuel Heat Value[1]	1,020.00	Btu/scf	Natural Gas Standard (HHV)	Fuel Heat Value	1,020.00	Btu/scf	Natural Gas Standard (HHV)
Rated Net Heat Rate	9,059	Btu/kWh	Manufacturer Specs, HHV	Rated Net Heat Rate	9,190	Btu/kWh	Manufacturer Specs, HHV
Fuel Rate	50,452.12	scfm	Calculated	Fuel Rate	47,266.78	scfm	Calculated
Heat Input	3087.67	MMBtu/hr (HHV)	Calculated	Heat Input	2892.73	MMBtu/hr (HHV)	Calculated
Hourly Fuel Rate	3027.13	Mscf/hr	Calculated	Hourly Fuel Rate	2836.01	Mscf/hr	Calculated
				Hours of Operation	8,760	hrs/yr	Maximum schedule for any single unit
				Annual Fuel Rate	24,843.42	MMscf/yr	Calculated

Uncontrolled Emissions (per unit)

Pollutant	NO_x	CO	VOC	SO_2	PM	Formaldehyde	Total HAP	Units	Comment
Note Reference	2,3	2,3	2,4	5	4,6	3,7			
Molecular Weight	46.01	28.01	16.04					lb/lbmol	VOC as methane
Emission Factors	15.00	4.00	1.00					ppm	Vendor specification
	0.055	0.009	0.001	7.00E-04	0.0066	7.10E-04		lb/MMBtu	Vendor specification, Calculated value[3] or AP 42[4]
				2.50E-03				gr S/scf	NM Max for pipeline quality natural gas
Emissions	**170.78**	**27.72**	**3.97**	**2.16**	**20.38**	**2.19**	**3.07**	lb/hr	
	700.77	**113.76**	**16.29**	**9.47**	**83.62**	**9.00**	**12.60**	tpy	Maximum emissions at 100% activity level

Controlled Emissions (per unit)

Pollutant	NO_x	CO	VOC	SO_2	PM	Formaldehyde	Ammonia	Total HAP	Units	Notes
Note Reference	3,8	3,8	3,8	5	4,6	3,7	3,8			
Molecular Weight	46.01	28.01	16.04			30.03	17.03		lb/lbmol	VOC as methane
Emission Factors	2	3.0	1.00			0.91	10.0		ppm	Vendor specification, Hourly Average
	1.5	2.5	1.0			0.91	10.0		ppm	Vendor specification, Pooled Annual Average
	7.37E-03	6.73E-03	1.29E-03				1.36E-02		lb/MMBtu	Hourly Calculated value[3] or AP-42[4]
	5.53E-03	5.61E-03	1.29E-03		3.90E-03	2.22E-04	1.36E-02		lb/MMBtu	Pooled Annual Calculated value[3] or vendor specification[4]
	90%	37.50%	0.00%			69%	-		%	% Reduction
Emissions	**22.77**	**20.79**	**3.97**	**2.16**	**12.04**	**0.69**	**42.14**	**1.56**	lb/hr	Maximum individual unit hourly emission rate
	99.73	**91.07**	**17.39**	**9.47**	**52.74**	**3.00**	**184.57**	**6.85**	tpy	Individual unit PTE (lb/hr rate @ 8760 hr/yr)
	70.08	**71.10**	**16.29**	**9.47**	**49.41**	**2.81**	**172.92**	**6.42**	tpy	Cap contribution (100% activity level basis)

Speciated HAP Emission Calculations (per unit)

	Acetaldehyde[9]	Acrolein[9]	Benzene[9]	Ethylbenzene[9]	Xylenes[9]	Toluene[9]	Units	Notes
Emission Factors	4.00E-05	6.40E-06	1.20E-05	3.20E-05	6.40E-05	1.30E-04	lb/MMBtu	AP 42 Table 3.1-3
Emissions	**0.12**	**0.020**	**0.037**	**0.099**	**0.20**	**0.40**	lb/hr	AP 42 Table 3.1-3
	0.51	**0.081**	**0.15**	**0.41**	**0.81**	**1.65**	tpy	AP 42 Table 3.1-3

Annual Emissions Cap Calculation

Turbine Make/Model	Sheet with Emissions Calculations	Pollutant	Controlled Emissions per Unit (100% Activity)	No. Units Installed	of which spares	Dispatch Rate	Overall Activity Level	Estimated Annual Output	Contribution to Emissions Cap
[redacted]	This sheet	NOx	70.08 tons/yr	2	-	99%	99%	617.0 MW	138.8 tons/yr
	This sheet	CO	71.10 tons/yr	2	-	99%	99%	617.0 MW	140.8 tons/yr
	This sheet	VOC	16.29 tons/yr	2	-	99%	99%	617.0 MW	32.3 tons/yr
	This sheet	PM	49.41 tons/yr	2	-	99%	99%	617.0 MW	97.8 tons/yr
	Configuration 1	NOx	55.31 tons/yr	4	2	99%	49.5%	440.2 MW	109.5 tons/yr
	Configuration 1	CO	53.62 tons/yr	4	2	99%	49.5%	440.2 MW	106.2 tons/yr
	Configuration 1	VOC	12.28 tons/yr	4	2	99%	49.5%	440.2 MW	24.3 tons/yr
	Configuration 1	PM	42.04 tons/yr	4	2	99%	49.5%	440.2 MW	83.2 tons/yr

Emissions Cap Values

Configuration	Estimated Annual Output	Pollutant	Annual Emissions Cap
Configuration 2	1,057.2 MW	NOx	248.3 tons/yr
Configuration 2	1,057.2 MW	CO	246.9 tons/yr
Configuration 2	1,057.2 MW	VOC	56.6 tons/yr
Configuration 2	1,057.2 MW	PM	181.1 tons/yr

NOTES

[1] This value is based on the average HHV Btu/scf from the AP-42 Appendix A

[2] Inlet NO_x, CO, and VOC emission factors are taken from the vendor's exhaust study. Updated outlet emission factors are conservative estimates.

[3] Emission factors (lb/MMBtu) = ppmv / 10^6 / molar volume * MW (NO_x /CO/VOC/HCHO/NH_3) * F_d Factor * 20.9 / (20.9 - %O_2)
Molar Volume (dscf/lb-mol): 385.0
MW (lb/lb-mol) = 46.01 NO_x & 28.01 CO & 16.04 VOC & 30.031 HCHO & 17.03 NH_3
F_d (dscf/MMBtu) = 8710 (40 CFR 60 Appendix A Method 19 Table 19-2)
%O2 (Dry) = 15%

[4] Emission factors for PM are from manufacturer's exhaust data sheet and supplier's emissions letter.

[5] SO_2 emissions are based on fuel consumption and fuel sulfur content of 0.25 grain of sulfur per 100 scf
0.25 gr S/100 scf * fuel scf/hr * 1 lb/7000 gr * 64 lb-mol SO_2/ 32 lb-mol S = lb/hr SO_2

[6] Assumes PM (Filterable + Condensable) = PM_{10} = $PM_{2.5}$

[7] Post-control formaldehyde emissions are based on 91 ppbvd (15% O_2) per supplier's emissions letter. Reduction reflects difference between AP-42 figure and outlet concentration.

[8] NO_x, CO, and Ammonia (NH_3) emission factors for post-control emissions are per supplier's emissions letter. Ammonia emissions are a result of ammonia slip with the SCR.

[9] AP-42 Table 3.1-3 & adjusted for 1020 Btu/scf

Acoma, LLC - East Microgrid

Start-Up and Shutdown Emissions [redacted] - Configuration 1

Unit	SSM-1	
Description:	[redacted] Start-up and Shutdown	
Number of Turbines on Site	7	
Number of Startups and Shutdowns/turbine	6	
Total SSM-2 Annual Hours	42.00	hr/yr
Safety Factor	25%	

SSM Emission Calculations

Pollutant	Startup lb/event[1]	Shutdown lb/event[1]	Total SSM Emissions per turbine lb/event[2,3]	Total SSM Emissions per turbine tons[2,3]	Total [redacted] SSM Emissions lbs[4]	Total [redacted] SSM Emissions tpy[4]
NO_x	61.00	33.00	**117.50**	**0.35**	**822.50**	**2.47**
CO	848.00	433.00	**1,601.25**	**4.80**	**11,208.75**	**33.63**
VOC[2]	73.00	38.00	**138.75**	**0.42**	**971.25**	**2.91**
PM	6.00	3.00	**11.25**	**0.034**	**78.75**	**0.24**
CO_2	893,111.85	893,111.85	**2,232,779.61**	**6,698.34**	**15,629,457.30**	**46,888.37**

NOTES

[1] Vendor Specification

[2] Per Turbine Calculations are below:

Per Turbine SSM Emissions (lb/hr) = (Startup (lb/hr) + Shutdown (lb/hr))* (1 + Safety Factor (%))

Per Turbine SSM Emissions (tpy) = Total SSM Emission (lb/hr) * Total SSM-1 Annual Hours (hr/yr) / Number of Turbines / (2000 lb/ton)

[3] A safety factor of 25% is used as data received is not guaranteed.

[4] Total [redacted] Calculations are below:

Total SSM-1 Emissions (lb/hr) = Per Turbine SSM Emissions (lb/hr) * Number of Turbines

Total SSM-1 Emissions (tpy) = Per Turbine SSM Emissions (tpy) * Number of Turbines

Pollutants	Uncontrolled Emissions	SSM Emissions	
	lb/hr	lb/hr[1]	tpy[2]
VOC	73.00	138.75	0.42
Acetaldehyde	0.092	**1.23**	**3.68E-03**
Acroleine	0.015	**0.20**	**5.89E-04**
Benzene	0.028	**0.37**	**1.10E-03**
Ethylbenzene	0.074	**0.98**	**2.95E-03**
Formaldehyde	0.51	**6.82**	**0.020**
Xylenes	0.15	**1.96**	**5.89E-03**
Toluene	0.30	**3.99**	**0.012**
Total	**1.17**	**15.54**	**0.047**

NOTES

[1] Total SSM-1 HAP (lb/hr) = Uncontrolled HAP (lb/hr) * (Total SSM-1 VOC (lb/hr) / uncontrolled VOC (lb/hr)) * number of turbines

[2] Total SSM-1 HAP (tpy) = Uncontrolled HAP (lb/hr) * (Total SSM-1 VOC (lb/hr) / uncontrolled VOC (lb/hr)) *Total SSM-1 Annual Hours (hr/yr) / (2000 lb/ton)

Acoma, LLC - East Microgrid

Start-Up and Shutdown Emissions [redacted] - Configuration 2

Unit	SSM-1	
Description:	[redacted] Start-up and Shutdown	
Number of Turbines on Site	4	
Number of Startups and Shutdowns/turbine	6	
Total SSM-2 Annual Hours	24.00	hr/yr
Safety Factor	25%	

SSM Emission Calculations

Pollutant	Startup lb/event[1]	Shutdown lb/event[1]	Total SSM Emissions per turbine lb/event[2,3]	Total SSM Emissions per turbine tons[2,3]	Total [redacted] SSM Emissions lbs[4]	Total [redacted] SSM Emissions tpy[4]
NO_x	61.00	33.00	**117.50**	**0.35**	**470.00**	**1.41**
CO	848.00	433.00	**1,601.25**	**4.80**	**6,405.00**	**19.22**
VOC[2]	73.00	38.00	**138.75**	**0.42**	**555.00**	**1.67**
PM	6.00	3.00	**11.25**	**0.034**	**45.00**	**0.14**
CO_2	1,562,945.73	1,562,945.73	**3,907,364.33**	**11,722.09**	**15,629,457.30**	**46,888.37**

NOTES

[1] Vendor Specification

[2] Per Turbine Calculations are below:

Per Turbine SSM Emissions (lb/hr) = (Startup (lb/hr) + Shutdown (lb/hr))* (1 + Safety Factor (%))

Per Turbine SSM Emissions (tpy) = Total SSM Emission (lb/hr) * Total SSM-1 Annual Hours (hr/yr) / Number of Turbines / (2000 lb/ton)

[3] A safety factor of 25% is used as data received is not guaranteed.

[4] Total [redacted] Calculations are below:

Total SSM-1 Emissions (lb/hr) = Per Turbine SSM Emissions (lb/hr) * Number of Turbines

Total SSM-1 Emissions (tpy) = Per Turbine SSM Emissions (tpy) * Number of Turbines

Pollutants	Uncontrolled Emissions	SSM Emissions	
	lb/hr	lb/hr[1]	tpy[2]
VOC	73.00	138.75	0.42
Acetaldehyde	0.092	**0.70**	**2.10E-03**
Acroleine	0.015	**0.11**	**3.37E-04**
Benzene	0.028	**0.21**	**6.31E-04**
Ethylbenzene	0.074	**0.56**	**1.68E-03**
Formaldehyde	0.51	**3.89**	**0.012**
Xylenes	0.15	**1.12**	**3.37E-03**
Toluene	0.30	**2.28**	**6.84E-03**
Total	**1.17**	**8.88**	**0.027**

NOTES

[1] Total SSM-1 HAP (lb/hr) = Uncontrolled HAP (lb/hr) * (Total SSM-1 VOC (lb/hr) / uncontrolled VOC (lb/hr)) * number of turbines

[2] Total SSM-1 HAP (tpy) = Uncontrolled HAP (lb/hr) * (Total SSM-1 VOC (lb/hr) / uncontrolled VOC (lb/hr)) *Total SSM-1 Annual Hours (hr/yr) / (2000 lb/ton)

Acoma, LLC - East Microgrid

Start-Up and Shutdown Emissions [redacted] - Configuration 2

Unit	SSM-2	
Description:	[redacted]	Start-up and Shutdown
Number of Turbines on Site	2	
Number of Startups and Shutdowns/turbine	6	
Total SSM-2 Annual Hours	12.00	hr/yr
Safety Factor	25%	

SSM Emission Calculations

Pollutant	Startup lb/event[1]	Shutdown lb/event[1]	Total SSM Emissions per turbine lb/event[2,3]	Total SSM Emissions per turbine tons[2,3]	Total [redacted] SSM Emissions lbs[4]	Total [redacted] SSM Emissions tpy[4]
NO_x	61.00	33.00	**117.50**	**0.35**	**235.00**	**0.71**
CO	848.00	433.00	**1,601.25**	**4.80**	**3,202.50**	**9.61**
VOC[2]	73.00	38.00	**138.75**	**0.42**	**277.50**	**0.83**
PM	6.00	3.00	**11.25**	**0.034**	**22.50**	**0.068**
CO_2	3,125,891.46	3,125,891.46	**7,814,728.65**	**23,444.19**	**15,629,457.30**	**46,888.37**

NOTES

[1] Vendor Specification

[2] Per Turbine Calculations are below:

Per Turbine SSM Emissions (lb/hr) = (Startup (lb/hr) + Shutdown (lb/hr))* (1 + Safety Factor (%))

Per Turbine SSM Emissions (tpy) = Total SSM Emission (lb/hr) * Total SSM-1 Annual Hours (hr/yr) / Number of Turbines / (2000 lb/ton)

[3] A safety factor of 25% is used as data received is not guaranteed.

[4] Total [redacted] Calculations are below:

Total SSM-1 Emissions (lb/hr) = Per Turbine SSM Emissions (lb/hr) * Number of Turbines

Total SSM-1 Emissions (tpy) = Per Turbine SSM Emissions (tpy) * Number of Turbines

Pollutants	Uncontrolled Emissions	SSM Emissions	
	lb/hr	lb/hr[1]	tpy[2]
VOC	73.00	138.75	0.42
Acetaldehyde	0.092	**0.35**	**1.05E-03**
Acroleine	0.015	**0.056**	**1.68E-04**
Benzene	0.028	**0.11**	**3.16E-04**
Ethylbenzene	0.074	**0.28**	**8.42E-04**
Formaldehyde	0.51	**1.95**	**5.84E-03**
Xylenes	0.15	**0.56**	**1.68E-03**
Toluene	0.30	**1.14**	**3.42E-03**
Total	**1.17**	**4.44**	**0.013**

NOTES

[1] Total SSM-1 HAP (lb/hr) = Uncontrolled HAP (lb/hr) * (Total SSM-1 VOC (lb/hr) / uncontrolled VOC (lb/hr)) * number of turbines

[2] Total SSM-1 HAP (tpy) = Uncontrolled HAP (lb/hr) * (Total SSM-1 VOC (lb/hr) / uncontrolled VOC (lb/hr)) *Total SSM-1 Annual Hours (hr/yr) / (2000 lb/ton)

Acoma, LLC - East Microgrid

Greenhouse Gas Emissions - [redacted]

Sources	Facility Total Emissions				
	CO_2 tpy	CH_4 tpy	N_2O tpy	GHG tpy	CO_2e[1] tpy
Turbine Exhaust Emissions	7,823,660	147.45	14.74	7,823,822	7,831,696
SSM Emissions	46,888	0.884	0.08	46,889	46,933
Total:	**7,870,548**	**148.33**	**14.82**	**7,870,711**	**7,878,629**

[1] Global Warming Potential (GWP) factors included in CO_2e calculation are taken from 40 CFR 98, Subpart A, Table A-1

Turbine Exhaust Emissions

Unit Numbers	Description	Emission Factors[2]			Emission Rates[3]		
		CO_2 kg/MMBtu	CH_4 kg/MMBtu	N_2O kg/MMBtu	CO_2 tpy	CH_4 tpy	N_2O tpy
TUR-F-1	[redacted]	53.06	1.00E-03	1.00E-04	1,117,666	21.06	2.11
TUR-F-2		53.06	1.00E-03	1.00E-04	1,117,666	21.06	2.11
TUR-F-3		53.06	1.00E-03	1.00E-04	1,117,666	21.06	2.11
TUR-F-4		53.06	1.00E-03	1.00E-04	1,117,666	21.06	2.11
TUR-F-5		53.06	1.00E-03	1.00E-04	1,117,666	21.06	2.11
TUR-F-6		53.06	1.00E-03	1.00E-04	1,117,666	21.06	2.11
TUR-F-7		53.06	1.00E-03	1.00E-04	1,117,666	21.06	2.11
				Total:	**7,823,660**	**147.45**	**14.74**

[2] The emissions factors are taken from 40 CFR 98, Subpart C, Tables C-1 & C-2

[3] Emission Rates (tpy) = kg/MMBtu x 2.2 lb/kg x MMBtu/yr / 2,000 lb/ton

Unit Numbers	Description	Fuel Types[4]	Operating Hours[4] hr/yr	Design Heat Rates MMBtu/hr	Fuel Usage[5] MMBtu/yr
TUR-F-1	[redacted]	Natural Gas	8,760	2,181.40	19,109,108
TUR-F-2		Natural Gas	8,760	2,181.40	19,109,108
TUR-F-3		Natural Gas	8,760	2,181.40	19,109,108
TUR-F-4		Natural Gas	8,760	2,181.40	19,109,108
TUR-F-5		Natural Gas	8,760	2,181.40	19,109,108
TUR-F-6		Natural Gas	8,760	2,181.40	19,109,108
TUR-F-7		Natural Gas	8,760	2,181.40	19,109,108

[4] The fuel type and operating time are .

[5] Annual Heat Rate (MMBtu/yr) = Design Heat Rates (MMBtu/hr) x hr/yr

SSM Emissions

[redacted]	Fuel Consumption:	2.14E+00 MMscf/hr
	Annual SUSD Operating	42.00 hr/yr
Safety Factor:		25% %
Fuel Heat Value:		1020.00 Btu/scf
		1.02E-03 MMBtu/scf

Unit Numbers	Description	Emission Factors			Emission Rates[1]		
		CO_2[1] lb/MMscf	CH_4[2] lb/MMscf	N_2O[3] lb/MMscf	CO_2 tpy	CH_4 tpy	N_2O tpy
SSM-1	[redacted] Start-up and Shutdown	119,317	2.25	0.22	46,888	0.884	7.57E-02

[1] CO_2 emission factor based on 40 CFR 98, Subpart C, Table C-1 (1,020 Btu/scf; 53.02 kg/MMBtu = 119,317 lb/MMscf)

[2] CH_4 emission factor based on 40 CFR 98, Subpart C, Table C-2 (1,020 Btu/scf; 0.001 kg/MMBtu = 2.25 lb/MMscf)

[3] N_2O emission factor based on 40 CFR 98, Subpart C, Table C-2 (1,020 Btu/scf; 0.0001 kg/MMBtu = 0.22 lb/MMscf)

[4] Emission rates calculation: Emission factor (lb/MMscf) * [redacted] Fuel Consumption (MMscf/hr) * Operating Time (42 hr/yr) / 2000 (lb/ton)

Acoma, LLC - East Microgrid

Greenhouse Gas Emissions - [redacted]

Sources	Facility Total Emissions				
	CO_2 tpy	CH_4 tpy	N_2O tpy	GHG tpy	CO_2e[1] tpy
Turbine Exhaust Emissions	2,964,238	55.87	5.59	2,964,299	2,967,283
SSM Emissions	17,765	0.335	0.03	17,765	17,782
Total:	**2,982,003**	**56.20**	**5.62**	**2,982,065**	**2,985,065**

[1] Global Warming Potential (GWP) factors included in CO_2e calculation are taken from 40 CFR 98, Subpart A, Table A-1

Turbine Exhaust Emissions

Unit Numbers	Description	Emission Factors[2]			Emission Rates[3]		
		CO_2 kg/MMBtu	CH_4 kg/MMBtu	N_2O kg/MMBtu	CO_2 tpy	CH_4 tpy	N_2O tpy
TUR-H-1	[redacted]	53.06	1.00E-03	1.00E-04	1,482,119	27.93	2.79
TUR-H-2		53.06	1.00E-03	1.00E-04	1,482,119	27.93	2.79
				Total:	**2,964,238**	**55.87**	**5.59**

[2] The emissions factors are taken from 40 CFR 98, Subpart C, Tables C-1 & C-2

[3] Emission Rates (tpy) = kg/MMBtu x 2.2 lb/kg x MMBtu/yr / 2,000 lb/ton

Unit Numbers	Description	Fuel Types[4]	Operating Hours[4] hr/yr	Design Heat Rates MMBtu/hr	Fuel Usage[5] MMBtu/yr
TUR-H-1	[redacted]	Natural Gas	8,760	2,892.73	25,340,289
TUR-H-2		Natural Gas	8,760	2,892.73	25,340,289

[4] The fuel type and operating time are .

[5] Annual Heat Rate (MMBtu/yr) = Design Heat Rates (MMBtu/hr) x hr/yr

SSM Emissions

[redacted]	Fuel Consumption:	2.84E+00 MMscf/hr
	Annual SUSD Operating T	12.00 hr/yr
Safety Factor:		25% %
Fuel Heat Value:		1020.00 Btu/scf
		1.02E-03 MMBtu/scf

Unit Numbers	Description	Emission Factors			Emission Rates[4]		
		CO_2[1] lb/MMscf	CH_4[2] lb/MMscf	N_2O[3] lb/MMscf	CO_2 tpy	CH_4 tpy	N_2O tpy
SSM-1	[redacted]	119,317	2.25	0.22	17,765	0.335	2.87E-02

[1] CO_2 emission factor based on 40 CFR 98, Subpart C, Table C-1 (1,020 Btu/scf; 53.02 kg/MMBtu = 119,317 lb/MMscf)

[2] CH_4 emission factor based on 40 CFR 98, Subpart C, Table C-2 (1,020 Btu/scf; 0.001 kg/MMBtu = 2.25 lb/MMscf)

[3] N_2O emission factor based on 40 CFR 98, Subpart C, Table C-2 (1,020 Btu/scf; 0.0001 kg/MMBtu = 0.22 lb/MMscf)

[4] Emission rates calculation: Emission factor (lb/MMscf) * [redacted] Fuel Consumption (MMscf/hr) * Operating Time (42 hr/yr) / 2000 (lb/ton)

Section 7

Information Used To Determine Emissions

Information Used to Determine Emissions shall include the following:

- ☑ If manufacturer data are used, include specifications for emissions units and control equipment, including control efficiencies specifications and sufficient engineering data for verification of control equipment operation, including design drawings, test reports, and design parameters that affect normal operation.
- ☑ If test data are used, include a copy of the complete test report. If the test data are for an emissions unit other than the one being permitted, the emission units must be identical. Test data may not be used if any difference in operating conditions of the unit being permitted and the unit represented in the test report significantly effect emission rates.
- ☑ If the most current copy of AP-42 is used, reference the section and date located at the bottom of the page. Include a copy of the page containing the emissions factors, and clearly mark the factors used in the calculations.
- ☐ If an older version of AP-42 is used, include a complete copy of the section.
- ☐ If an EPA document or other material is referenced, include a complete copy.
- ☐ Fuel specifications sheet.
- ☑ If computer models are used to estimate emissions, include an input summary (if available) and a detailed report, and a disk containing the input file(s) used to run the model. For tank-flashing emissions, include a discussion of the method used to estimate tank-flashing emissions, relative thresholds (i.e., permit or major source (NSPS, PSD or Title V)), accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis.

[redacted] **Turbines (Unit IDs: TUR-F-1 through TUR-F-7):**

- Supplier's Emissions Letter
- Manufacturer specification sheet (output and heat rate)
- Vendor documentation referenced in the supplier's letter (NO_X, CO, VOC, NH_3)
- AP-42 Appendix A. Miscellaneous Data and Conversion Factors
- AP-42 Table 3.1-2a. Emission Factors for Criteria Pollutants and Greenhouse Gases from Stationary Gas Turbines
- and Table 3.1-3. Emissions Factors for Hazardous Air Pollutants from Natural Gas-Fired Stationary Gas Turbines

[redacted] **Turbines (Unit IDs: TUR-H-1 and TUR-H-2):**

- Supplier's Emissions Letter
- Manufacturer specification sheet (output and heat rate)
- Vendor documentation referenced in the supplier's letter (NO_X, CO, VOC, NH_3)
- AP-42 Appendix A. Miscellaneous Data and Conversion Factors
- AP-42 Table 3.1-2a. Emission Factors for Criteria Pollutants and Greenhouse Gases from Stationary Gas Turbines
- and Table 3.1-3. Emissions Factors for Hazardous Air Pollutants from Natural Gas-Fired Stationary Gas Turbines

Referenced AP-42 Tables

Table 3.1-2a. EMISSION FACTORS FOR CRITERIA POLLUTANTS AND GREENHOUSE GASES FROM STATIONARY GAS TURBINES

Emission Factors[a] - Uncontrolled				
Pollutant	Natural Gas-Fired Turbines[b]		Distillate Oil-Fired Turbines[d]	
	(lb/MMBtu)[c] (Fuel Input)	Emission Factor Rating	(lb/MMBtu)[e] (Fuel Input)	Emission Factor Rating
CO_2[f]	110	A	157	A
N_2O	0.003[g]	E	ND	NA
Lead	ND	NA	1.4 E-05	C
SO_2	0.94S[h]	B	1.01S[h]	B
Methane	8.6 E-03	C	ND	NA
VOC	2.1 E-03	D	4.1 E-04[j]	E
TOC[k]	1.1 E-02	B	4.0 E-03[l]	C
PM (condensible)	4.7 E-03[l]	C	7.2 E-03[l]	C
PM (filterable)	1.9 E-03[l]	C	4.3 E-03[l]	C
PM (total)	6.6 E-03[l]	C	1.2 E-02[l]	C

[a] Factors are derived from units operating at high loads (>80 percent load) only. For information on units operating at other loads, consult the background report for this chapter (Reference 16), available at "www.epa.gov/ttn/chief". ND = No Data, NA = Not Applicable.

[b] SCCs for natural gas-fired turbines include 2-01-002-01, 2-02-002-01 & 03, and 2-03-002-02 & 03.

[c] Emission factors based on an average natural gas heating value (HHV) of 1020 Btu/scf at 60°F. To convert from (lb/MMBtu) to (lb/10^6 scf), multiply by 1020. Similarly, these emission factors can be converted to other natural gas heating values.

[d] SCCs for distillate oil-fired turbines are 2-01-001-01, 2-02-001-01, 2-02-001-03, and 2-03-001-02.

[e] Emission factors based on an average distillate oil heating value of 139 MMBtu/10^3 gallons. To convert from (lb/MMBtu) to (lb/10^3 gallons), multiply by 139.

[f] Based on 99.5% conversion of fuel carbon to CO_2 for natural gas and 99% conversion of fuel carbon to CO_2 for distillate oil. CO_2 (Natural Gas) [lb/MMBtu] = (0.0036 scf/Btu)(%CON)(C)(D), where %CON = weight percent conversion of fuel carbon to CO_2, C = carbon content of fuel by weight, and D = density of fuel. For natural gas, C is assumed at 75%, and D is assumed at 4.1 E+04 lb/10^6scf. For distillate oil, CO_2 (Distillate Oil) [lb/MMBtu] = (26.4 gal/MMBtu) (%CON)(C)(D), where C is assumed at 87%, and the D is assumed at 6.9 lb/gallon.

[g] Emission factor is carried over from the previous revision to AP-42 (Supplement B, October 1996) and is based on limited source tests on a single turbine with water-steam injection (Reference 5).

[h] All sulfur in the fuel is assumed to be converted to SO_2. S = percent sulfur in fuel. Example, if sulfur content in the fuel is 3.4 percent, then S = 3.4. If S is not available, use 3.4 E-03 lb/MMBtu for natural gas turbines, and 3.3 E-02 lb/MMBtu for distillate oil turbines (the equations are more accurate).

[j] VOC emissions are assumed equal to the sum of organic emissions.

[k] Pollutant referenced as THC in the gathered emission tests. It is assumed as TOC, because it is based on EPA Test Method 25A.

[l] Emission factors are based on combustion turbines using water-steam injection.

Table 3.1-3. EMISSION FACTORS FOR HAZARDOUS AIR POLLUTANTS FROM NATURAL GAS-FIRED STATIONARY GAS TURBINES[a]

Emission Factors[b] - Uncontrolled		
Pollutant	Emission Factor (lb/MMBtu)[c]	Emission Factor Rating
1,3-Butadiene[d]	< 4.3 E-07	D
Acetaldehyde	4.0 E-05	C
Acrolein	6.4 E-06	C
Benzene[e]	1.2 E-05	A
Ethylbenzene	3.2 E-05	C
Formaldehyde[f]	7.1 E-04	A
Naphthalene	1.3 E-06	C
PAH	2.2 E-06	C
Propylene Oxide[d]	< 2.9 E-05	D
Toluene	1.3 E-04	C
Xylenes	6.4 E-05	C

[a] SCC for natural gas-fired turbines include 2-01-002-01, 2-02-002-01, 2-02-002-03, 2-03-002-02, and 2-03-002-03. Hazardous Air Pollutants as defined in Section 112 (b) of the *Clean Air Act*.

[b] Factors are derived from units operating at high loads (>80 percent load) only. For information on units operating at other loads, consult the background report for this chapter (Reference 16), available at "www.epa.gov/ttn/chief".

[c] Emission factors based on an average natural gas heating value (HHV) of 1020 Btu/scf at 60°F. To convert from (lb/MMBtu) to (lb/10^6 scf), multiply by 1020. These emission factors can be converted to other natural gas heating values by multiplying the given emission factor by the ratio of the specified heating value to this heating value.

[d] Compound was not detected. The presented emission value is based on one-half of the detection limit.

[e] Benzene with SCONOX catalyst is 9.1 E-07, rating of D.

[f] Formaldehyde with SCONOX catalyst is 2.0 E-05, rating of D.

Units Case Study Estimates Markup

Forge Jupiter

November 13, 2025

Authorized Representative
Acoma, LLC
600 Congress Ave., Ste 15041
Austin, TX 78701-3238

Re: Emissions Performance Specifications for Gas Turbines
Project Jupiter—East Microgrid
Doña Ana County, New Mexico

Dear Sir or Madam:

Forge Growth Infrastructure LLC ("Forge") is in the process of procuring gas turbines and associated air pollution control equipment for the Project Jupiter East Microgrid. Below are relevant emission guarantee levels that have been presented to Forge and related not-to-exceed levels for operations.

[redacted] **Units**

Forge is in the process of procuring a collection of turbines consisting of either or both of the below-listed units and will obtain site-specific guarantees from the OEM where indicated below. Pooled annual average performance levels for NO_X and CO are those achieved in practice for same-model units with continuous monitoring systems. Formaldehyde is estimated based on customary representations for controlled units. Other performance levels are subject to verification based on EPA reference methods.

[redacted] **Specifications:**

Pollutant	Performance Level	Remark
NO_X	2 ppmvd (15% O_2) 1-hr average	[redacted] Dilution SCR/OxCat Guarantee
NO_X	1.57 ppmvd (15% O_2) pooled annual average	Recommended set-point based on use of dual NO_X CEMS, ammonia injection control, and steady-state operation
CO	3 ppmvd (15% O2) 1-hr average	[redacted] Dilution SCR/OxCat Guarantee
CO	2.5 ppmvd (15% O_2) pooled annual average	Steady-state operation for properly maintained catalyst bed
VOC	1 ppmvd (15% O_2) methane equivalent	[redacted] Dilution SCR/OxCat Guarantee
NH_3	10 ppmvd (15% O_2) 1-hr average	Recommended operating limit

Forge Jupiter

Particulate Matter	0.0044 lb/MMBtu (HHV)	[redacted] Exhaust Study, 100% Load
Formaldehyde	91 ppbvd (15% O_2)	Correlation between CO efficiency and formaldehyde conversion efficiency in Oxidation Catalyst.

[redacted] **Specifications:**

Pollutant	Performance Level	Remark
NO_X	2 ppmvd (15% O_2) 1-hr average	[redacted] Dilution SCR/OxCat Guarantee
NO_X	1.5 ppmvd (15% O_2) pooled annual average	Recommended set-point based on use of dual NO_X CEMS, ammonia injection control, and steady-state operation
CO	3 ppmvd (15% O2) 1-hr average	[redacted] Dilution SCR/OxCat Guarantee
CO	2.5 ppmvd (15% O_2) pooled annual average	Steady-state operation for properly maintained catalyst bed
VOC	1 ppmvd (15% O_2) methane equivalent	[redacted] Dilution SCR/OxCat Guarantee
NH_3	10 ppmvd (15% O_2) 1-hr average	Recommended operating limit
Particulate Matter	0.0039 lb/MMBtu (HHV)	[redacted] Energy Exhaust Study, 100% Load
Formaldehyde	91 ppbvd (15% O_2)	Correlation between CO efficiency and formaldehyde conversion efficiency in Oxidation Catalyst.

Sincerely,

Signed by:
B82837971BC8462...

Daniel McGuire
Vice President of Operations

EMISSIONS GUARANTEE DATA SHEET

[redacted] **Gas Turbines**

REFERENCE CONDITIONS		
Fuel Type	Natural Gas	Oil
Ambient Temperature Range (°F)	-5 to 105	-5 to 105
Gas Turbine Load	108 MW to 100%	60% to 100%
Water Injection for NO_X Control	OFF	ON
GUARANTEED DATA		
NO_X, ppmvd @ 15% O_2	15	25
CO, ppmvd @ 15% O_2 (Note 1)	4	4
VOC, ppmvd @ 15% O_2	1	1
Particulate Matter, lb_m/hr	10	30

Note 1: CO guarantee is 9 ppmvd @ 15% O_2 < 70% GT load on Gas.
CO guarantee is 9 ppmvd @ 15% O_2 < 90% GT load on Oil.

Test Requirements

Emissions guarantees are based on testing at the exhaust stack in accordance with the following United States Environmental Protection Agency (USEPA) Test Methods:

NO_X – USEPA Method 7E

– Demonstration of the NO_X guarantee is based on the average of three (3) test runs at each test point. The test points will be the minimum and maximum GT loads in the guaranteed load range.

CO – USEPA Method 10

– Demonstration of the CO guarantee is based on the average of three (3) test runs at each test point. The test points will be the minimum and maximum GT loads in the guaranteed load range.

VOC – USEPA Methods 25A and 18

– VOC are total hydrocarbons (THC) excluding methane and ethane and are expressed in terms of methane. Demonstration of the VOC guarantee is based on the average of three (3) test runs at each test point, per USEPA Method 25A, utilizing a THC analyzer calibrated

using methane (CH_4) and a not-to-exceed span of 0-10 ppmvw. If test results per USEPA Method 25A indicate THC values greater than the VOC guarantees, at least one (1) sample per test run will be collected and analyzed per USEPA Method 18 and the methane and ethane portions subtracted from the Method 25A results. The test points will be the minimum and maximum GT loads in the guaranteed load range.

Particulate Matter – USEPA Methods 5 and 202

- Demonstration of the Particulate Matter guarantee is based on the average of three (3) test runs at the maximum GT load in the guaranteed load range. The gas turbine shall be operating at steady state conditions at the initial test load for at least two (2) hours prior to commencement of testing. Each test run shall be of sufficient length to collect a minimum sample volume of 120 cubic feet (~ 4 hours) and 100 cubic feet (~ 3 hours) for operation on Oil. The actual fuel flow rate during particulate testing shall be utilized to determine the exhaust gas flow rate per USEPA Method 19 when converting from units of concentration to the guaranteed emission rate. A one-piece nozzle and probe assembly lined with borosilicate or quartz glass shall be utilized. Any "back half" (CPM) filters proposed for use in Method 202 shall be subjected to hexane and water rinses and blank analyses prior to use to confirm their suitability, as it has been found that some filters can partially decompose or release material during hexane and/or water rinses. Sample recovery shall only utilize acetone rinsing and NOT a nylon or fluoropolymer brush, as the static charges from the brush could add or subtract particles from the sample.

Guarantee Conditions

- Emissions guarantees are on an individual gas turbine basis and do not include ambient air contributions, and do not include the effects from post-combustion emissions controls.
- Emission guarantees apply during steady state operation and not during startup, shutdown, fuel transfer, transient plant, or fuel conditions and/or initial commissioning activities.
- Emissions values for NO_X and CO can be met while ramping the gas turbine between 70% and base load at up to 13.4 MW/min, based on CEMS data for a 1-hour average following a minimum of two (2) hours of stabilization and heat soaking.
- O_2 measurements for purposes of correcting emissions concentration must be taken in accordance with USEPA Method 3A.
- All emissions testing, and/or emissions monitoring during Thermal Performance testing, shall be the customer's responsibility.
- If the air permit limits are met and the customer is not prevented from operating, then [redacted] emissions guarantees shall not delay substantial completion.
- Fuels must comply with the [redacted] Fuel Specifications.
- Inlet heating may be required to meet emissions on liquid fuel at low ambient temperatures.
- **Particulate matter guarantees assume ≤** 0.5 grains S/100 SCF in the natural gas fuel and **≤** 0.0015% wt S in the liquid fuel.

[redacted]

Orion Digital Infrastructure LLC

El Paso Datacenter

[redacted]

Estimated Emission s Data Sheet

April 22, 2026

SITE CONDITIONS	CASE 1	CASE 2	CASE 3	CASE 4	CASE 5	CASE 6	CASE 7	CASE 8	CASE 9	CASE 10	CASE 11	CASE 12	CASE 13	CASE 14	CASE 15	CASE 16	CASE 17	CASE 18	CASE 19	CASE 20	CASE 21	CASE 22	CASE 23	CASE 24
FUEL TYPE	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Gas	Fuel Oil	Fuel Oil	Fuel Oil	Fuel Oil	Fuel Oil	Fuel Oil	Fuel Oil	Fuel Oil	Fuel Oil	Fuel Oil	Fuel Oil	Fuel Oil
LOAD LEVEL, %	100.0	MEL/43.9	100.0	MEL/44.6	100.0	MEL/45.5	100.0	MEL/47.2	100.0	MEL/52.6	100.0	MEL/55.9	100.0	MEL/50.0	100.0	MEL/50.0	100.0	MEL/50.0	100.0	MEL/50.0	100.0	MEL/50.0	100.0	MEL/50.0
NET FUEL HEATING VALUE, Btu/lbm	21,115	21,115	21,115	21,115	21,115	21,115	21,115	21,115	21,115	21,115	21,115	21,115	18,450	18,450	18,450	18,450	18,450	18,450	18,450	18,450	18,450	18,450	18,450	18,450
GROSS FUEL HEATING VALUE, Btu/lbm	23,443	23,443	23,443	23,443	23,443	23,443	23,443	23,443	23,443	23,443	23,443	23,443	19,930	19,930	19,930	19,930	19,930	19,930	19,930	19,930	19,930	19,930	19,930	19,930
AMBIENT DRY BULB TEMPERATURE, °F	-5.0	-5.0	35.0	35.0	55.0	55.0	75.0	75.0	95.0	95.0	105.0	105.0	-5.0	-5.0	35.0	35.0	55.0	55.0	75.0	75.0	95.0	95.0	105.0	105.0
AMBIENT WET BULB TEMPERATURE, °F	-6.9	-6.9	27.6	27.6	42.3	42.3	57.2	57.2	72.1	72.1	70.9	70.9	-6.9	-6.9	27.6	27.6	42.3	42.3	57.2	57.2	72.1	72.1	70.9	70.9
AMBIENT RELATIVE HUMIDITY, %	40.0	40.0	40.0	40.0	35.0	35.0	35.0	35.0	35.0	35.0	20.0	20.0	40.0	40.0	40.0	40.0	35.0	35.0	35.0	35.0	35.0	35.0	20.0	20.0
AMBIENT PRESSURE, psi	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373	12.373
COMPRESSOR INLET TEMPERATURE, °F	-5.0	-5.0	35.0	35.0	55.0	55.0	75.0	75.0	95.0	95.0	105.0	105.0	-5.0	-5.0	35.0	35.0	55.0	55.0	75.0	75.0	95.0	95.0	105.0	105.0
INLET PRESSURE LOSS (Total), inch H20	3.71	1.61	4.00	1.68	4.15	1.72	4.11	1.75	3.62	1.83	3.49	1.90	3.76	2.23	4.08	2.02	4.25	2.02	4.11	1.96	3.69	1.86	3.50	1.81
EXHAUST PRESSURE LOSS (Total), inch H20	15.25	6.85	15.34	6.72	15.40	6.69	14.85	6.67	13.12	6.76	12.32	6.88	15.18	9.11	15.23	7.69	15.28	7.51	14.49	7.17	12.88	6.62	12.11	6.34
EXHAUST PRESSURE LOSS (Static), inch H20	11.89	5.34	11.95	5.24	12.00	5.22	11.57	5.20	10.21	5.26	9.59	5.36	11.86	7.12	11.90	6.01	11.93	5.87	11.31	5.60	10.04	5.17	9.44	4.96
INJECTION FLUID	--	--	--	--	--	--	--	--	--	--	--	--	H20	H20	H20	H20	H20	H20	H20	H20	H20	H20	H20	H20
NOx WATER MASS FLOW, lbm/hr 1)	--	--	--	--	--	--	--	--	--	--	--	--	55,253	15,960	56,514	9,774	57,013	10,030	54,969	11,501	57,883	12,010	55,222	11,759
INJECTION RATIO	--	--	--	--	--	--	--	--	--	--	--	--	0.51	0.21	0.53	0.15	0.54	0.15	0.54	0.18	0.71	0.20	0.72	0.20
GAS TURBINE PERFORMANCE																								
POWER OUTPUT, kW	244,454	108,000	241,080	108,000	235,986	108,000	224,453	108,000	203,606	108,000	191,483	108,000	229,300	137,552	222,961	111,481	216,178	108,089	204,209	102,105	185,166	92,583	173,228	86,614
EFFICIENCY (LHV), %	40.2	30.3	40.1	30.6	39.7	30.6	39.0	30.6	38.0	30.6	37.4	30.6	38.9	33.4	38.7	31.1	38.2	30.7	37.3	30.0	36.1	28.7	35.4	27.9
EFFICIENCY (HHV), %	36.2	27.3	36.1	27.6	35.7	27.6	35.1	27.6	34.2	27.5	33.7	27.6	36.4	31.3	36.3	29.1	35.8	28.8	35.0	28.1	33.9	26.9	33.2	26.2
HEAT RATE (LHV), Btu/kWh	8,494	11,259	8,509	11,146	8,603	11,130	8,748	11,143	8,982	11,153	9,125	11,144	8,781	10,217	8,820	10,984	8,943	11,102	9,145	11,384	9,447	11,903	9,637	12,233
HEAT RATE (HHV), Btu/kWh	9,433	12,504	9,449	12,378	9,553	12,363	9,714	12,375	9,963	12,386	10,133	12,376	9,386	10,898	9,408	11,717	9,539	11,842	9,755	12,143	10,076	12,697	10,279	13,048
HEAT INPUT (LHV), MMBtu/hr	2,077	1,216	2,051	1,204	2,030	1,202	1,954	1,203	1,827	1,205	1,747	1,204	2,014	1,406	1,966	1,225	1,933	1,200	1,868	1,152	1,749	1,102	1,675	1,063
EXHAUST TEMPERATURE, °F	1,088	1,111	1,111	1,148	1,123	1,170	1,136	1,191	1,163	1,198	1,175	1,198	1,018	1,042	1,036	1,067	1,031	1,084	1,044	1,103	1,069	1,125	1,082	1,134
EXHAUST FLOW, lbm/hr	4,229,104	2,781,759	4,211,524	2,724,118	4,202,501	2,686,253	4,105,635	2,675,847	3,816,096	2,687,507	3,681,517	2,710,423	4,223,432	3,256,214	4,219,578	2,567,219	4,217,752	2,944,725	4,175,439	2,858,525	3,896,300	2,722,311	3,759,699	2,682,127
EXHAUST ENERGY, kW	345,102	230,899	351,681	234,778	356,680	237,280	352,503	241,476	338,342	245,247	329,105	246,756	325,214	252,009	328,039	234,560	330,110	236,157	326,696	230,612	312,961	223,647	306,096	224,569
FUEL FLOW, lbm/hr	98,343	57,591	97,154	57,011	96,145	56,945	93,004	56,897	86,912	57,048	82,749	57,002	109,142	76,152	105,535	65,271	104,781	65,043	101,220	63,003	94,206	59,732	90,795	57,626
DISCHARGE EXHAUST GAS COMPOSITION (% BY VOL)																								
DISCHARGE STACK TEMPERATURE, °F	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840
DISCHARGE EXHAUST FLOW, lbm/hr	5,624,889	3,778,883	5,599,269	3,699,953	5,900,730	3,668,088	5,837,849	4,052,216	5,699,723	4,135,513	5,547,715	4,150,300	5,332,435	4,162,823	5,423,734	3,525,544	5,450,376	3,945,522	5,416,784	3,936,639	5,231,676	3,896,452	5,127,510	3,825,504
OXYGEN	14.17	15.09	14.40	15.27	14.53	15.30	14.61	15.33	14.62	15.23	14.76	15.40	13.97	14.88	14.18	15.38	14.30	15.42	14.29	15.44	14.25	15.42	14.41	15.64
CARBON DIOXIDE	3.10	2.62	2.97	2.58	2.89	2.52	2.80	2.47	2.70	2.42	2.64	2.39	4.28	3.84	4.11	3.54	3.99	3.45	3.90	3.36	3.77	3.22	3.63	3.15
WATER	6.15	5.33	6.15	5.38	6.27	5.53	6.65	6.00	7.47	6.91	7.29	6.35	5.63	4.17	5.73	3.94	5.50	4.13	6.59	4.67	7.52	5.61	7.39	5.04
NITROGEN	75.57	76.99	75.57	75.97	75.41	75.71	75.05	75.30	74.33	74.55	74.43	74.56	75.23	76.20	75.09	76.22	74.91	76.10	74.33	75.64	73.49	74.96	73.64	75.27
ARGON	0.90	0.91	0.90	0.91	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.90	0.91	0.90	0.91	0.89	0.91	0.89	0.90	0.88	0.89	0.88	0.90
MOLECULAR WEIGHT	28.86	28.62	28.86	28.80	28.83	28.82	28.48	28.83	28.38	28.42	28.40	28.48	28.80	28.91	28.77	28.90	28.74	28.92	28.68	28.80	28.52	28.89	28.54	28.74
DISCHARGE EMISSIONS (Based on USEPA Test Method):																								
NO_x, ppmvd @ 15% O_2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4
NO_x, lb$_m$/hr as NO_2	17.2	10.0	17.0	9.9	16.8	9.8	16.3	9.9	15.2	9.9	14.5	9.9	34.3	23.8	33.5	20.7	32.9	20.3	31.8	19.7	29.8	18.7	28.5	18.0
AMMONIA SLIP, ppmvd @ 15% O_2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
AMMONIA SLIP, lb$_m$/hr as NO_2	31.9	18.4	31.5	18.2	31.1	18.2	30.1	18.2	28.0	18.3	26.8	18.3	31.7	22.0	31.0	19.2	30.4	18.8	29.4	18.2	27.6	17.3	26.4	16.7
CO, ppmvd @ 15% O_2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CO, lb$_m$/hr	15.7	9.1	15.5	9.0	15.4	9.0	14.9	9.0	13.8	9.0	13.2	9.0	15.6	10.9	15.3	9.5	15.0	9.3	14.5	9.0	13.6	8.5	13.0	8.2
VOC, ppmvd @ 15% O_2 as CH_4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VOC, lb$_m$/hr as CH_4	3.0	1.7	3.0	1.7	2.9	1.7	2.8	1.7	2.6	1.7	2.5	1.7	3.0	2.1	2.9	1.8	2.9	1.8	2.8	1.7	2.6	1.6	2.5	1.6
SO2, lbm/hr	3.4	2.0	3.4	2.0	3.3	2.0	3.2	2.0	3.0	2.0	2.9	2.0	3.4	2.4	3.3	2.0	3.2	2.0	3.1	1.9	2.9	1.8	2.8	1.8
PARTICULATE MATTER, lb$_m$/hr	10.2	6.6	10.1	6.5	10.1	6.4	9.8	6.4	9.0	6.3	8.7	6.4	30	30	30	30	30	30	30	30	30	30	30	30
CO_2, lb$_m$/hr	262,365	165,396	278,561	163,691	276,055	163,401	267,121	163,652	245,397	163,757	231,592	163,668	369,113	250,688	360,700	218,384	344,796	214,013	333,050	207,302	311,946	196,540	298,747	189,408

NOTES:

- All data is based on new and clean condition, is ESTIMATED, NO Tigurantees and is for ONE Unit.
- Gross power outputis at the generator terminals, minus excitation losses. It does not include SCIT-PAC ™ auxiliary load losses.
- Estimated GT Performance values are dependent upon reciprocating test tolerances equal to measurement uncertainty calculated in accordance with ASME PTC 19.1-2005.
- [1] Please consider following tolerances: +/-20% for Peakload and +10%/-30% for Baseload. For deviating water mass flows correction curves need to be applied.
- IGV schedule may be adjusted during commissioning. Partload performance will be adjusted accordingly.
- Fuels must be in compliance with the [redacted] Fuel Specifications.
- Efficiency and heat rate without sensible heat are being considered.
- Average temperature of the fuel is 65°F.
- MEL = Minimum Emissions Load.
- Fuel gas composition, by vol, is: 93.4% CH4, 0.651% C2H6, 0.0092% C3H8, 0.1530% N2, 0.16% CO2, and assumes less than 0.5 grains S/100 SCF.
- Fuel oil composition, by wt, is: 85.541% C, 13.3900% H, 0.0015% S, 0.0150% N, 0.001% ash.
- VOC consist of total hydrocarbons excluding methane and ethane and are expressed in terms of methane (CH_4).
- Particulates are per US EPA Method 5 and 202 (front and back half).
- CO_2 mass flowrate (lb_m/hr) calculated per USEPA 40 CFR75 Appendix G, Equation G-4, based on standard fuel fc.
- Emissions exclude ambient air contributions and assumes steady-state conditions.
- Please be advised that the information contained in this transmittal has been prepared and is being transmitted per customer request specifically for information purposes only. Data included in any permit application or Environmental Impact Statement are strictly the customer's responsibility.

[redacted]

Confidential

I - 2.5 Gas Turbine Estimated Performance Data Sheet

[redacted] in Simple Cycle Operation on Natural Gas

Total Estimated Startup & Shutdown Emissions

Mode	Ramp Rate (MW/min)	Time (min)	Total Pounds Per Event			
			NO_x	CO	VOC	PM
Startup Emissions (GT Ignition to 100% Load, Steady-State)	20	28	61	848	73	6
Shutdown Emissions (100% Load to Fuel Cut Off)	20	13	33	433	38	3
Startup Emissions (GT Ignition to 100% Load, Steady-State)	52	20	42	582	50	4
Shutdown Emissions (100% Load to Fuel Cut Off)	52	5	14	167	15	2

General Notes

1.) All data is ESTIMATED, NOT guaranteed and is for ONE unit.

2.) Emissions are at the exhaust stack outlet and exclude ambient air contributions.

3.) Emissions are based on new and clean conditions.

4.) Emissions values based on a 52 MW/min ramp rate should not be used for air permitting purposes and are provided to indicate unit capabilities only.

5.) Natural Gas Fuel must be in compliance with the [redacted] Fuel Specification.

6.) NO_x as NO_2.

7.) VOC consist of total hydrocarbons excluding methane and ethane and are expressed in terms of methane (CH_4).

8.) Please be advised that the information contained in this transmittal has been prepared and is being transmitted per customer request specifically for information purposes only. Data included in any permit application or Environmental Impact Statement is strictly the customer's responsibility. [redacted] is available to review permit application data upon request.

Startup / Shutdown Notes

1.) Estimated data are based on the ramp rates noted above, time from GT ignition to synchronization in ~5-minutes, and will be higher for longer times and/or slower ramp rates.

2.) Shutdown data is based on the ramp rates noted with no holds at FSNL (Full Speed No Load / 0%) prior to fuel cut off.

3.) All startup prerequisites have been met, including any required equipment to be in operation.

4.) Operator actions do not extend start-up or shutdown.

5.) Assumes DSCR and oxidation catalyst operational.

6.) It is assumed that there is no restriction from the interconnected utility for loading the GT within the SU times considered and the generator can be synchronized to the grid in ≤ 30 seconds.

7.) CEMS may calculate emissions differently.

Lube Oil SDS

SAFETY DATA SHEET
Lubricating Oil
According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name	Lubricating Oil
Chemical name	Process Oil
Product number	1003, 1003B, 1003RB, 1003CN
Internal identification	1000-202
CAS number	64742-54-7

Recommended use of the chemical and restrictions on use

Application	Firearm Lubrication
Uses advised against	No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Manufacturer	Bushnell Holdings Inc 9200 Cody Overland Park, KS 66214 1-800-423-3537 dangerous.goods@vistaoutdoor.com

Emergency telephone number

Emergency telephone	Emergency Telephone Number (Hazardous Material/Dangerous Goods Transportation Emergency Only) 1-800-424-9300 (Inside US Only) +01-703-527-3887 (Outside US) - (CHEMTREC, Day and Night)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

Label elements

Hazard statements	NC Not Classified

Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

3. Composition/information on ingredients

Substances

Product name	Lubricating Oil
Chemical name	Process Oil
CAS number	64742-54-7

4. First-aid measures

Description of first aid measures

Lubricating Oil

General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Inhalation	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
Ingestion	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
Skin Contact	No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	Use protective equipment appropriate for surrounding materials.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin contact	No specific symptoms known. May cause discomfort.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	No special treatment required.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

Lubricating Oil

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions No specific recommendations. For personal protection, see Section 8.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions Store away from incompatible materials (see Section 10). No specific recommendations.

Storage class Unspecified storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³
Short-term exposure limit (15-minute): ACGIH 10 mg/m³

OSHA = Occupational Safety and Health Administration.
ACGIH = American Conference of Governmental Industrial Hygienists.

Exposure controls

Protective equipment

Appropriate engineering controls No specific ventilation requirements.

Eye/face protection No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Lubricating Oil

Hand protection	No specific hand protection recommended. Large Spillages: Wear protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Not regarded as dangerous for the environment.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Clear liquid.
Color	Water-white.
Odor	Odorless.
pH	Not applicable.
Melting point	Not determined.
Initial boiling point and range	315°C/599°F
Flash point	192°C/378°F
Evaporation rate	No information available.
Flammability (solid, gas)	Class IIIB Liquid
Upper/lower flammability or explosive limits	Not available.
Vapor pressure	< 0.01 mm Hg @ 25°C
Vapor density	> 1.0 g/cc
Relative density	0.866
Bulk density	7.228 lb/gal
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	210°C/410°F
Decomposition Temperature	Not determined.
Volatility	3% wt (Max)

10. Stability and reactivity

Reactivity	See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.

Lubricating Oil

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. Toxicological information

Information on toxicological effects

Toxicological effects	Not regarded as a health hazard under current legislation.

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data	Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitization

Respiratory sensitization	Based on available data the classification criteria are not met.

Skin sensitization

Skin sensitization	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

Lubricating Oil

General information	No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin Contact	No specific symptoms known. May cause discomfort.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.
Route of entry	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.

12. Ecological Information

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
Toxicity	Based on available data the classification criteria are not met.

Persistence and degradability

Persistence and degradability	The degradability of the product is not known.

Bioaccumulative potential

Bio-Accumulative Potential	No data available on bioaccumulation.
Partition coefficient	Not determined.

Mobility in soil

Mobility	No data available.

Other adverse effects

Other adverse effects	None known.

13. Disposal considerations

Waste treatment methods

General information	The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.
Disposal methods	Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

14. Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

Not applicable.

UN proper shipping name

Not applicable.

Lubricating Oil

Transport hazard class(es)

No transport warning sign required.

Packing group

Not applicable.

Environmental hazards

Environmentally Hazardous Substance
No.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting
None of the ingredients are listed or exempt.

CAA Accidental Release Prevention
None of the ingredients are listed or exempt.

FDA - Essential Chemical
None of the ingredients are listed or exempt.

FDA - Precursor Chemical
None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories
None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I)
None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed or exempt.

Lubricating Oil

California Directors List of Hazardous Substances
None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List
None of the ingredients are listed or exempt.

Rhode Island "Right To Know" List
None of the ingredients are listed or exempt.

Minnesota "Right To Know" List
None of the ingredients are listed or exempt.

New Jersey "Right To Know" List
None of the ingredients are listed or exempt.

Pennsylvania "Right To Know" List
None of the ingredients are listed or exempt.

Inventories

US - TSCA
None of the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
None of the ingredients are listed or exempt.

16. Other information

Classification abbreviations and acronyms	Asp. Tox. = Aspiration hazard
Training advice	Only trained personnel should use this material.
Revision date	2/8/2019
Revision	7
Supersedes date	10/9/2017
SDS No.	4634

End of Safety Data Sheet

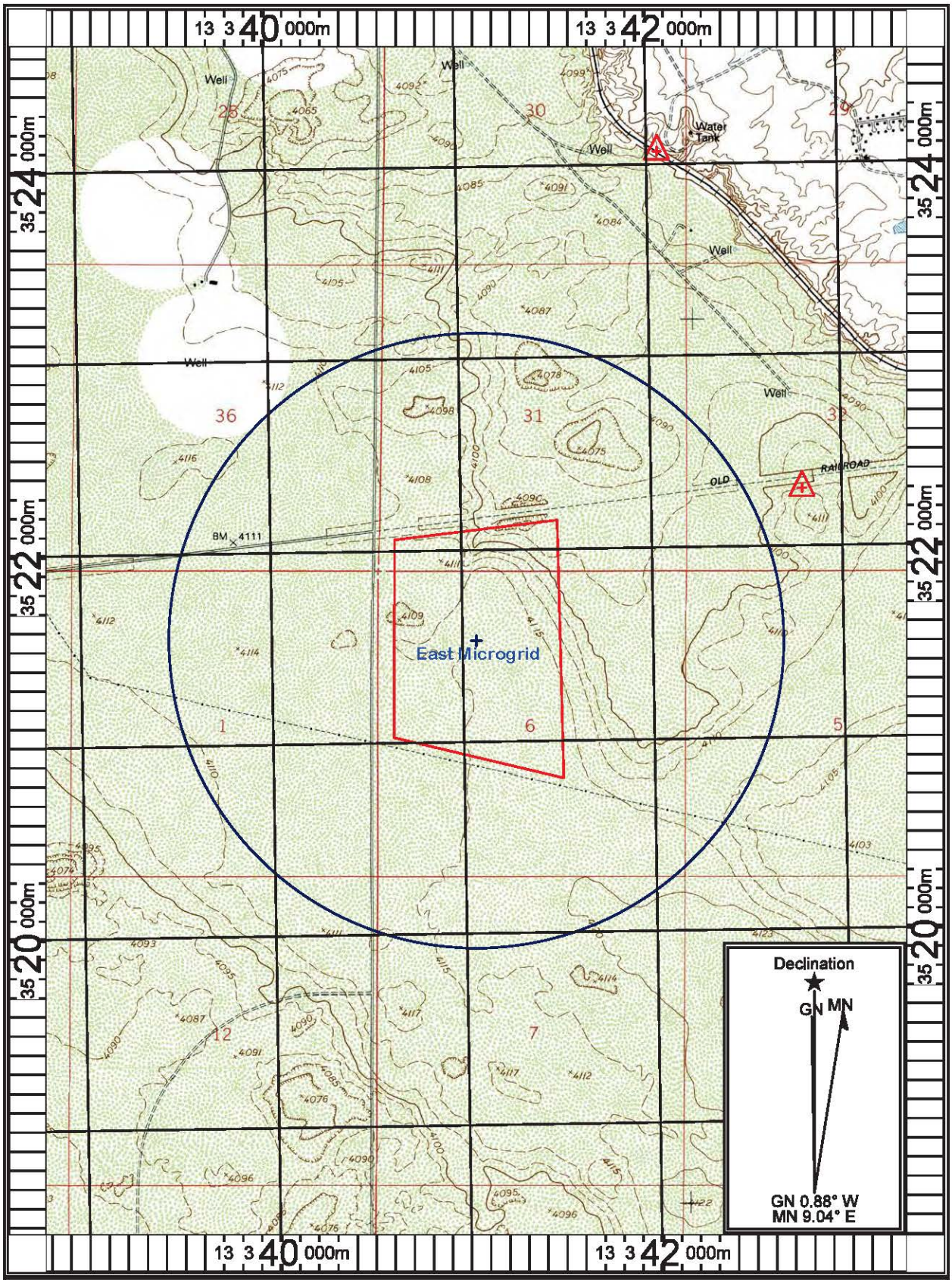
Section 8

Map(s)

A map such as a 7.5 minute topographic quadrangle showing the exact location of the source. The map shall also include the following:

The UTM or Longitudinal coordinate system on both axes	An indicator showing which direction is north
A minimum radius around the plant of 0.8km (0.5 miles)	Access and haul roads
Topographic features of the area	Facility property boundaries
The name of the map	The area which will be restricted to public access
A graphical scale	

A map of the facility is attached.



Map Name: STRAUSS (NM)
Print Date: 09/18/25

Scale: 1 inch = 2,500 ft.
Map Center: 13 0341071 E 35215

Horizontal Datum: WGS84

Section 9

Proof of Public Notice

(for NSR applications submitting under 20.2.72 or 20.2.74 NMAC)
(This proof is required by: 20.2.72.203.A.14 NMAC "Documentary Proof of applicant's public notice")

☑ **I have read the AQB "Guidelines for Public Notification for Air Quality Permit Applications"**
This document provides detailed instructions about public notice requirements for various permitting actions. It also provides public notice examples and certification forms. Material mistakes in the public notice will require a re-notice before issuance of the permit.

Unless otherwise allowed elsewhere in this document, the following items document proof of the applicant's Public Notification. Please include this page in your proof of public notice submittal with checkmarks indicating which documents are being submitted with the application.

New Permit and **Significant Permit Revision** public notices must include all items in this list.

Technical Revision public notices require only items 1, 5, 9, and 10.

Per the Guidelines for Public Notification document mentioned above, include:

1. ☑ A copy of the certified letter receipts with post marks (20.2.72.203.B NMAC)
2. ☑ A list of the places where the public notice has been posted in at least four publicly accessible and conspicuous places, including the proposed or existing facility entrance. (e.g: post office, library, grocery, etc.)
3. ☑ A copy of the property tax record (20.2.72.203.B NMAC).
4. ☑ A sample of the letters sent to the owners of record.
5. ☑ A sample of the letters sent to counties, municipalities, and Indian tribes.
6. ☑ A sample of the public notice posted and a verification of the local postings.
7. ☑ A table of the noticed citizens, counties, municipalities and tribes and to whom the notices were sent in each group.
8. ☑ A copy of the public service announcement (PSA) sent to a local radio station and documentary proof of submittal.
9. ☑ A copy of the classified or legal ad including the page header (date and newspaper title) or its affidavit of publication stating the ad date, and a copy of the ad. When appropriate, this ad shall be printed in both English and Spanish.
10. ☑ A copy of the display ad including the page header (date and newspaper title) or its affidavit of publication stating the ad date, and a copy of the ad. When appropriate, this ad shall be printed in both English and Spanish.
11. ☑ A map with a graphic scale showing the facility boundary and the surrounding area in which owners of record were notified by mail. This is necessary for verification that the correct facility boundary was used in determining distance for notifying land owners of record.

9.1. Certified Letter Receipts with Post Marks

9589 0710 5270 3302 0599 64

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.
Las Cruces, NM 88005

OFFICIAL USE

Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$
☐ Return Receipt (electronic)	$
☐ Certified Mail Restricted Delivery	$
☐ Adult Signature Required	$
☐ Adult Signature Restricted Delivery	$
Postage	
Total Postage and Fees	

0975 10

Postmark Here
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Sent To: Abandoned So Pacific Rail Line
Street and Apt. No., or PO Box No.: 1800 Marquess St.
City, State, ZIP+4®: Las Cruces, NM 88005

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9589 0710 5270 3302 0599 57

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El Paso, TX 79901

OFFICIAL USE

Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$6.08

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Sent To: El Paso Electric Company
Street and Apt. No., or PO Box No.: 221 N. Kansas, suite 2101
City, State, ZIP+4®: El Paso, Tx 79901

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Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$6.08

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Sent To: Doña Ana County
Street and Apt. No., or PO Box No.: 845 N. Motel Blvd
City, State, ZIP+4®: Las Cruces, NM 88007

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Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$
☐ Return Receipt (electronic)	$
☐ Certified Mail Restricted Delivery	$
☐ Adult Signature Required	$
☐ Adult Signature Restricted Delivery	$
Postage	
Total Postage and Fees	

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Sent To: Santa Teresa Land LLC
Street and Apt. No., or PO Box No.: P.O. Box 2539
City, State, ZIP+4®: San Antonio, TX 78299

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Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$6.08

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Sent To: Jobe Materials LP
Street and Apt. No., or PO Box No.: 1150 Southview Dr.
City, State, ZIP+4®: El Paso, TX 79928

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Plano, TX 75093

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Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	$0.00
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$6.08

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11/12/2025

Sent To: Alta Mesa Estates LLC
Street and Apt. No., or PO Box No.: 5336 Corinthian Bay Drive
City, State, ZIP+4®: Plano, TX 75093

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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OFFICIAL USE

Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$6.08

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NOV 12 2025
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Sent To: Paseo Del Norte LLC
Street and Apt. No., or PO Box No.: P.O. Box 2539
City, State, ZIP+4®: San Antonio, TX 78299

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Omaha, NE 68179

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Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$
☐ Adult Signature Required	$
☐ Adult Signature Restricted Delivery	$
Postage	
Total Postage and Fees	

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Sent To: Southern Pacific Trans Corp
Street and Apt. No., or PO Box No.: 1400 Douglas Stop 1640
City, State, ZIP+4®: Omaha, NE 68179-1640

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Santa Teresa, NM 88008

OFFICIAL USE

Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$6.08

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NOV 12 2025
11/12/2025

Sent To: City of Santa Teresa Limited Government
Street and Apt. No., or PO Box No.: P.O. Box 1362
City, State, ZIP+4®: Santa Teresa, NM 88008-136

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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El Paso, TX 79901

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Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$6.08

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Postmark Here
NOV 12 2025
11/12/2025

Sent To: Santa Teresa Capital LLC
Street and Apt. No., or PO Box No.: 601 N. Mesa, Suite 1300
City, State, ZIP+4®: El Paso, TX 79901

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Sunland Park, NM 88063

OFFICIAL USE

Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	11/12/2025

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NOV 12 2025

Sent To: Sunland Park City Manager
Street and Apt. No., or PO Box No.: 1000 McNutt Rd
City, State, ZIP+4®: Sunland Park, NM 88063

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Anthony, NM 88021

OFFICIAL USE

Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$6.08

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NOV 12 2025
11/12/2025

Sent To: La Union Helping Hands
Street and Apt. No., or PO Box No.: 3157 Alvarez Rd
City, State, ZIP+4®: Anthony, NM 88021

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Las Cruces, NM 88007

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Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$
☐ Adult Signature Required	$
☐ Adult Signature Restricted Delivery	$
Postage	
Total Postage and Fees	

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Postmark Here
NOV 12 2025

Sent To: Doña Ana County Manager
Street and Apt. No., or PO Box No.: 845 N. Motel Blvd.
City, State, ZIP+4®: Las Cruces, NM 88007

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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El Paso, TX 79901

OFFICIAL USE

Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	

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10

Postmark Here
NOV 12 2025

11/12/2025

Sent To: El Paso City Manager
Street and Apt. No., or PO Box No.: 300 N. Campbell St.
City, State, ZIP+4®: El Paso, TX 79901

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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U.S. Postal Service™
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El Paso, TX 79901

OFFICIAL USE

Certified Mail Fee	$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$6.08

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Postmark Here
NOV 12 2025

11/12/2025

Sent To: El Paso County Chief Administrator
Street and Apt. No., or PO Box No.: 500 E. San Antonio, Suite 302A
City, State, ZIP+4®: El Paso, TX 79901

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9.2. List of Places Public Notice Has Been Posted

Acoma, LLC - East Microgrid

Posted Notice Locations

Location	Address	City	State	Zip Code	County
Facility Entrance		Santa Teresa	NM	88008	Doña Ana
United States Post Office	5290 McNutt Rd #211	Santa Teresa	NM	88008	Doña Ana
Loves Travel Stop	2401 Airport Rd	Santa Teresa	NM	88008	Doña Ana
Dollar General	5622 McNutt Rd	Sunland Park	NM	88063	Doña Ana

9.3. Copy of Property Tax Record

Account: R1702836 *Mill Levy does not include Special District Rates such as: Lower Rio Grande Flood Levy, Hueco Levy, Mclead Watershed Levy, Caballo Soil and Water Conservation Levy, and La Union Watershed Levy.

Location

Situs Address
Deed Holder
Tax Area 16OUT_NR - 16OUT_NR
Parcel Number 4-013-168-307-484
Legal Summary S: 31 T: 28S R: 3E

Owner Information

Owner Name SANTA TERESA LAND LLC
In Care Of Name RYAN
Owner Address PO BOX 2539
SAN ANTONIO, TX 78299

Assessment History

Actual (2025) $288
Primary Taxable $96
Tax Area: 16OUT_NR **Mill Levy:** 31.740000

Type	Actual	Assessed	Acres
Agriculture Land	$288	$96	106.570

Neighborhood 125 - S-SIDE-T28S

Transfers

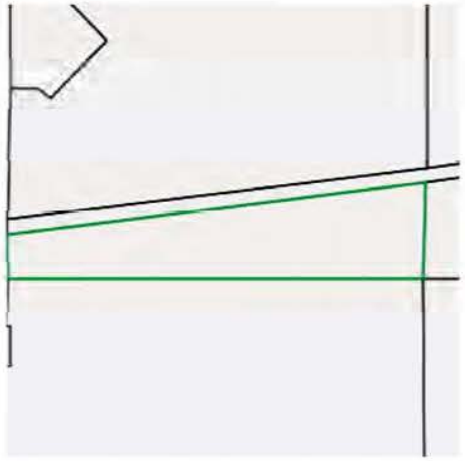
Record Sequence	Reception Number	Book Page	Sale Date	Grantor	Grantee	Doc Type	Parcel Number
10	2512644		06/07/2025	SANTA TERESA LAND LLC	BORDER PLEX DIGITAL ASSETS LLC	AGR	3000000001008
9	1330896			VERDE SANTA TERESA LLC SANTA TERESA LLC	SANTA TERESA LAND LLC	A3	4009167264265
8	0346624		12/22/2003	PASEO DEL NORTE LP	SANTA TERESA LLC	A3	4015165030383
7	9622615		07/31/1996	PASEO DEL NORTE LIMITED	NM STATE HWY & TRANS	A1	4013168307484
6	935018		03/09/1993	HALLOCK REALTY CO	PASEO DEL NORTE LIMITED	A2	4013168307484
5	935012		02/11/1993	CROWDER,CHARLES L ETAL CROWDER,PHYLLIS L ETAL	HALLOCK,REALTY CO	A2	4013168307484
4	892048		02/03/1989	CROWDER,CHARLES L ETUX	HALLOCK REALTY	A1	4015166098008
3	8627131		12/30/1986	C L CROWDER INVEST CO	CROWDER,CHARLES L ETUX	A1	4001137435045
2	8626154		12/18/1986	SANTA TERESA COUNTRY CLUB	C L CROWDER INVESTMENT CO	A1	4007132114014
1	8509332		05/24/1985	UNITED STATES OF AMERICA	C L CROWDER INVESTMENT CO	A1	4009167264265

Images

Tax Year	Taxes
*2025	$3.16
2024	$3.20

* Estimated

GIS



Account: R1719397 *Mill Levy does not include Special District Rates such as: Lower Rio Grande Flood Levy, Hueco Levy, Mclead Watershed Levy, Caballo Soil and Water Conservation Levy, and La Union Watershed Levy.

Location

Situs Address
Deed Holder
Tax Area 16OUT_NR - 16OUT_NR
Parcel Number 4-013-169-297-270
Legal Summary S: 6 T: 29S R: 3E

Owner Information

Owner Name SANTA TERESA LAND LLC
In Care Of Name RYAN
Owner Address PO BOX 2539
SAN ANTONIO, TX 78299

Assessment History

Actual (2025) $1,591
Primary Taxable $530
Tax Area: 16OUT_NR **Mill Levy**: 31.740000

Type	Actual	Assessed	Acres
Agriculture Land	$1,591	$530	589.320

Neighborhood 105 - MESA-LD-29S

Transfers

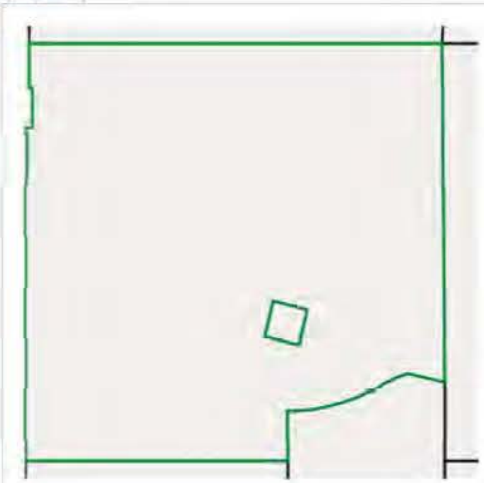
Record Sequence	Reception Number	Book Page	Sale Date	Grantor	Grantee	Doc Type	Parcel Number
10	2503712		02/01/2025	DONA ANA COUNTY	SANTA TERESA STORAGE LLC	C	4013169297270
9	2512644		06/07/2025	SANTA TERESA LAND LLC	BORDER PLEX DIGITAL ASSETS LLC	AGR	3000000001008
8	1814140		06/11/2018	SANTA TERESA LAND LLC	SANTA TERESA LAND LLC	A2	4013169297270
7	1330896			VERDE SANTA TERESA LLC SANTA TERESA LLC	SANTA TERESA LAND LLC	A3	4009167264265
6	0346624		12/22/2003	PASEO DEL NORTE LP	SANTA TERESA LLC	A3	4015165030383
5	935018		03/09/1993	HALLOCK REALTY CO	PASEO DEL NORTE LIMITED	A2	4013168307484
4	935012		02/11/1993	CROWDER,CHARLES L ETAL CROWDER,PHYLLIS L ETAL	HALLOCK REALTY CO	A2	4013168307484
3	8627131		12/30/1986	C L CROWDER INVEST CO	CROWDER,CHARLES L ETUX	A1	4001137435045
2	8626154		12/18/1986	SANTA TERESA COUNTRY CLUB	C L CROWDER INVESTMENT CO	A1	4007132114014
1	8509332		05/24/1985	UNITED STATES OF AMERICA	C L CROWDER INVESTMENT CO	A1	4009167264265

Images

Tax Year	Taxes
*2025	$16.84
2024	$17.00

* Estimated

GIS



Account: R1719396 *Mill Levy does not include Special District Rates such as: Lower Rio Grande Flood Levy, Hueco Levy, Mclead Watershed Levy, Caballo Soil and Water Conservation Levy, and La Union Watershed Levy.

Location

Situs Address
Deed Holder
Tax Area 16OUT_NR - 16OUT_NR
Parcel Number 4-013-169-326-090
Legal Summary S: 6 T: 29S R: 3E

Neighborhood 105 - MESA-LD-29S

Owner Information

Owner Name EL PASO ELECTRIC COMPANY
In Care Of Name RYAN LLC
Owner Address 221 N KANSAS SUITE 2101
EL PASO, TX 79901

Assessment History

Actual (2025)	$428,040
Primary Taxable	$142,680
Exempt	-$142,680
Adjusted Taxable Total	$0

Tax Area: 16OUT_NR **Mill Levy:** 31.740000

Type	Actual	Assessed	Acres
Exempt Land	$428,040	$142,680	9.840

Transfers

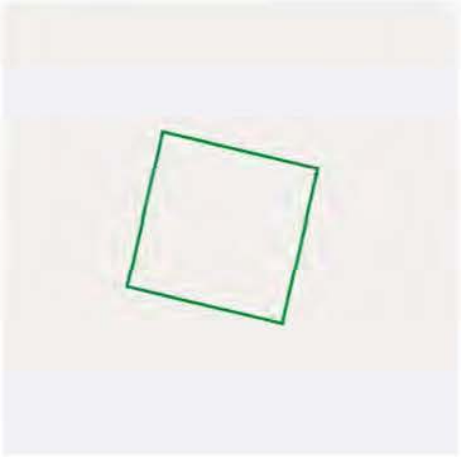
Record Sequence	Reception Number	Book Page	Sale Date	Grantor	Grantee	Doc Type	Parcel Number
8	1814138		06/11/2018	SANTA TERESA LAND LLC	EL PASO ELECTRIC COMPANY	A3	4013169326090
7	1302475			VERDE SANTA TERESA LLC	EL PASO ELECTRIC COMPANY	A3	4013169326090
6	0346624		12/22/2003	PASEO DEL NORTE LP	SANTA TERESA LLC	A3	4015165030383
5	935018		03/09/1993	HALLOCK REALTY CO	PASEO DEL NORTE LIMITED	A2	4013168307484
4	935012		02/11/1993	CROWDER,CHARLES L ETAL CROWDER,PHYLLIS L ETAL	HALLOCK,REALTY CO	A2	4013168307484
3	8627131		12/30/1986	C L CROWDER INVEST CO	CROWDER,CHARLES L ETUX	A1	4001137435045
2	8626154		12/18/1986	SANTA TERESA COUNTRY CLUB	C L CROWDER INVESTMENT CO	A1	4007132114014
1	8509332		05/24/1985	UNITED STATES OF AMERICA	C L CROWDER INVESTMENT CO	A1	4009167264265

Images

Tax Year	Taxes
*2025	$0.00
2024	$0.00

* Estimated

GIS



9.4. Letters sent to the Owners of Record

November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0599 57
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **El Paso Electric Company,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Sincerely,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Notice of Non-Discrimination
NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0599 57
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **El Paso Electric Company,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Atentamente,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Aviso de No Discriminación (Notice of Non-Discrimination en inglés)
El NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, conforme a las leyes y regulaciones aplicables.
El NMED es responsable de coordinar los esfuerzos de cumplimiento y de recibir consultas relacionadas con los requisitos de no discriminación establecidos en el Título 40 del Código de Regulaciones Federales (C.F.R.), Parte 7, incluyendo: El Título VI de la Ley de Derechos Civiles de 1964, según enmiendas; La Sección 504 de la Ley de Rehabilitación de 1973; La Ley de Discriminación por Edad de 1975; El Título IX de las Enmiendas Educativas de 1972; y La Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene preguntas sobre este aviso o sobre los programas, políticas o procedimientos de no discriminación del NMED, o si considera que ha sido objeto de discriminación en relación con algún programa o actividad del NMED, puede comunicarse con: Coordinador de No Discriminación; NMED; 1190 St. Francis Dr., Suite N4050; P.O. Box 5469; Santa Fe, NM 87502; Teléfono: (505) 827-2855; Correo electrónico: nd.coordinator@env.nm.gov. También puede visitar nuestro sitio web para obtener información sobre cómo y dónde presentar una queja por discriminación:
https://www.env.nm.gov/non-employee-discrimination-complaint-page/

November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0599 64
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Abandoned So Pacific Rail Line,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Sincerely,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Notice of Non-Discrimination
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12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0599 64
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **Abandoned So Pacific Rail Line,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
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Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

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Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
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Atentamente,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

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November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0599 33
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Santa Teresa Land LLC,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
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Sincerely,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

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12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0599 33
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **Santa Teresa Land LLC,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
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Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

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November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0599 26
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Doña Ana County,**
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The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Sincerely,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Notice of Non-Discrimination
NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0599 26
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **Doña Ana County,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
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Atentamente,
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Austin, TX 78701

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El NMED es responsable de coordinar los esfuerzos de cumplimiento y de recibir consultas relacionadas con los requisitos de no discriminación establecidos en el Título 40 del Código de Regulaciones Federales (C.F.R.), Parte 7, incluyendo: El Título VI de la Ley de Derechos Civiles de 1964, según enmiendas; La Sección 504 de la Ley de Rehabilitación de 1973; La Ley de Discriminación por Edad de 1975; El Título IX de las Enmiendas Educativas de 1972; y La Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene preguntas sobre este aviso o sobre los programas, políticas o procedimientos de no discriminación del NMED, o si considera que ha sido objeto de discriminación en relación con algún programa o actividad del NMED, puede comunicarse con: Coordinador de No Discriminación; NMED; 1190 St. Francis Dr., Suite N4050; P.O. Box 5469; Santa Fe, NM 87502; Teléfono: (505) 827-2855; Correo electrónico: nd.coordinator@env.nm.gov. También puede visitar nuestro sitio web para obtener información sobre cómo y dónde presentar una queja por discriminación:
https://www.env.nm.gov/non-employee-discrimination-complaint-page/

November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0599 19
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Alta Mesa Estates LLC,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

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Austin, TX 78701

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12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0599 19
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **Alta Mesa Estates LLC,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

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Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
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Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
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Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

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November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0599 02
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Jobe Materials LP,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

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Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

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Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

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El NMED es responsable de coordinar los esfuerzos de cumplimiento y de recibir consultas relacionadas con los requisitos de no discriminación establecidos en el Título 40 del Código de Regulaciones Federales (C.F.R.), Parte 7, incluyendo: El Título VI de la Ley de Derechos Civiles de 1964, según enmiendas; La Sección 504 de la Ley de Rehabilitación de 1973; La Ley de Discriminación por Edad de 1975; El Título IX de las Enmiendas Educativas de 1972; y La Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene preguntas sobre este aviso o sobre los programas, políticas o procedimientos de no discriminación del NMED, o si considera que ha sido objeto de discriminación en relación con algún programa o actividad del NMED, puede comunicarse con: Coordinador de No Discriminación; NMED; 1190 St. Francis Dr., Suite N4050; P.O. Box 5469; Santa Fe, NM 87502; Teléfono: (505) 827-2855; Correo electrónico: nd.coordinator@env.nm.gov. También puede visitar nuestro sitio web para obtener información sobre cómo y dónde presentar una queja por discriminación:
https://www.env.nm.gov/non-employee-discrimination-complaint-page/

November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0598 96
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Southern Pacific Trans Corp,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Sincerely,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

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12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0598 96
CON ACUSE DE RECIBO *(certified mail is required, **return receipt is optional**)*

Estimado **Southern Pacific Trans Corp,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid**". La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Atentamente,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

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November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0598 89
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Paseo Del Norte LLC,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
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Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

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Sincerely,
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Austin, TX 78701

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12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0598 89
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **Paseo Del Norte LLC,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

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Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
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Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

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Austin, TX 78701

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November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0598 72
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Santa Teresa Capital LLC,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

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Nitrogen Oxides (NO_x)	907.53	248.90
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Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

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Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

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12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0598 72
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **Santa Teresa Capital LLC,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
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Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Atentamente,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Aviso de No Discriminación (Notice of Non-Discrimination en inglés)
El NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, conforme a las leyes y regulaciones aplicables.
El NMED es responsable de coordinar los esfuerzos de cumplimiento y de recibir consultas relacionadas con los requisitos de no discriminación establecidos en el Título 40 del Código de Regulaciones Federales (C.F.R.), Parte 7, incluyendo: El Título VI de la Ley de Derechos Civiles de 1964, según enmiendas; La Sección 504 de la Ley de Rehabilitación de 1973; La Ley de Discriminación por Edad de 1975; El Título IX de las Enmiendas Educativas de 1972; y La Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene preguntas sobre este aviso o sobre los programas, políticas o procedimientos de no discriminación del NMED, o si considera que ha sido objeto de discriminación en relación con algún programa o actividad del NMED, puede comunicarse con: Coordinador de No Discriminación; NMED; 1190 St. Francis Dr., Suite N4050; P.O. Box 5469; Santa Fe, NM 87502; Teléfono: (505) 827-2855; Correo electrónico: nd.coordinator@env.nm.gov. También puede visitar nuestro sitio web para obtener información sobre cómo y dónde presentar una queja por discriminación:
https://www.env.nm.gov/non-employee-discrimination-complaint-page/

9.5. Letters sent to Counties, Municipalities, and Indian Tribes

November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0598 65
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **City of Santa Teresa Limited Government,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Sincerely,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Notice of Non-Discrimination
NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0598 65
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **City of Santa Teresa Limited Government,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Atentamente,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

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https://www.env.nm.gov/non-employee-discrimination-complaint-page/

November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0598 58
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **La Union Helping Hands,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Sincerely,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Notice of Non-Discrimination
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12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0598 58
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **La Union Helping Hands,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
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Atentamente,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

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November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0598 41
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Mario Juarez-Infante,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
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Sincerely,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

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12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0598 41
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **Mario Juarez-Infante,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Atentamente,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Aviso de No Discriminación (Notice of Non-Discrimination en inglés)
El NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, conforme a las leyes y regulaciones aplicables.
El NMED es responsable de coordinar los esfuerzos de cumplimiento y de recibir consultas relacionadas con los requisitos de no discriminación establecidos en el Título 40 del Código de Regulaciones Federales (C.F.R.), Parte 7, incluyendo: El Título VI de la Ley de Derechos Civiles de 1964, según enmiendas; La Sección 504 de la Ley de Rehabilitación de 1973; La Ley de Discriminación por Edad de 1975; El Título IX de las Enmiendas Educativas de 1972; y La Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene preguntas sobre este aviso o sobre los programas, políticas o procedimientos de no discriminación del NMED, o si considera que ha sido objeto de discriminación en relación con algún programa o actividad del NMED, puede comunicarse con: Coordinador de No Discriminación; NMED; 1190 St. Francis Dr., Suite N4050; P.O. Box 5469; Santa Fe, NM 87502; Teléfono: (505) 827-2855; Correo electrónico: nd.coordinator@env.nm.gov. También puede visitar nuestro sitio web para obtener información sobre cómo y dónde presentar una queja por discriminación:
https://www.env.nm.gov/non-employee-discrimination-complaint-page/

November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0598 34
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Dionne Mack,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and may change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
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Sincerely,
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600 Congress Ave Ste 15041
Austin, TX 78701

Notice of Non-Discrimination
NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0598 34
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **Dionne Mack,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

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La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
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Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

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Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
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Atentamente,
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Austin, TX 78701

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November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0598 27
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Scott Andrews,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

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Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

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Austin, TX 78701

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12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0598 27
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El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

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Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

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November 12, 2025

CERTIFIED MAIL 9589 0710 5270 3302 0599 40
RETURN RECEIPT REQUESTED *(certified mail is required,* ***return receipt is optional)***

Dear **Betsy C. Keller,**
Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

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The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Attención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Sincerely,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Notice of Non-Discrimination
NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

12 de Noviembre de 2025

CORREO CERTIFICADO 9589 0710 5270 3302 0599 40
CON ACUSE DE RECIBO *(certified mail is required,* ***return receipt is optional)***

Estimado **Betsy C. Keller,**
Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167**grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Atentamente,
Acoma, LLC
600 Congress Ave Ste 15041
Austin, TX 78701

Aviso de No Discriminación (Notice of Non-Discrimination en inglés)
El NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, conforme a las leyes y regulaciones aplicables.
El NMED es responsable de coordinar los esfuerzos de cumplimiento y de recibir consultas relacionadas con los requisitos de no discriminación establecidos en el Título 40 del Código de Regulaciones Federales (C.F.R.), Parte 7, incluyendo: El Título VI de la Ley de Derechos Civiles de 1964, según enmiendas; La Sección 504 de la Ley de Rehabilitación de 1973; La Ley de Discriminación por Edad de 1975; El Título IX de las Enmiendas Educativas de 1972; y La Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene preguntas sobre este aviso o sobre los programas, políticas o procedimientos de no discriminación del NMED, o si considera que ha sido objeto de discriminación en relación con algún programa o actividad del NMED, puede comunicarse con: Coordinador de No Discriminación; NMED; 1190 St. Francis Dr., Suite N4050; P.O. Box 5469; Santa Fe, NM 87502; Teléfono: (505) 827-2855; Correo electrónico: nd.coordinator@env.nm.gov. También puede visitar nuestro sitio web para obtener información sobre cómo y dónde presentar una queja por discriminación:
https://www.env.nm.gov/non-employee-discrimination-complaint-page/

9.6. Posted Public Notice and Verification of Local Postings

General Posting of Notices – Certification

I, Jacques Greyling, the undersigned, certify that on **November 13, 2025,** posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in **Santa Teresa** of **Doña Ana** County, State of New Mexico on the following dates:

1. Facility entrance - 11/13/2025
2. United States Post Office, 5290 McNutt Rd #211, Santa Teresa, NM, 88008 - 11/13/2025
3. Loves Travel Stop, 2401 Airport Rd, Santa Teresa, NM, 88008 - 11/13/2025
4. Dollar General Parking Lot, 5622 McNutt Rd, Sunland Park, NM, 88063 - 11/13/2025

Signed this 13th day of November, 2025,

Signed by:
Jacques Greyling
F575F15C1F804DF...

Signature

11/13/2025

Date

Jacques Greyling

Printed Name

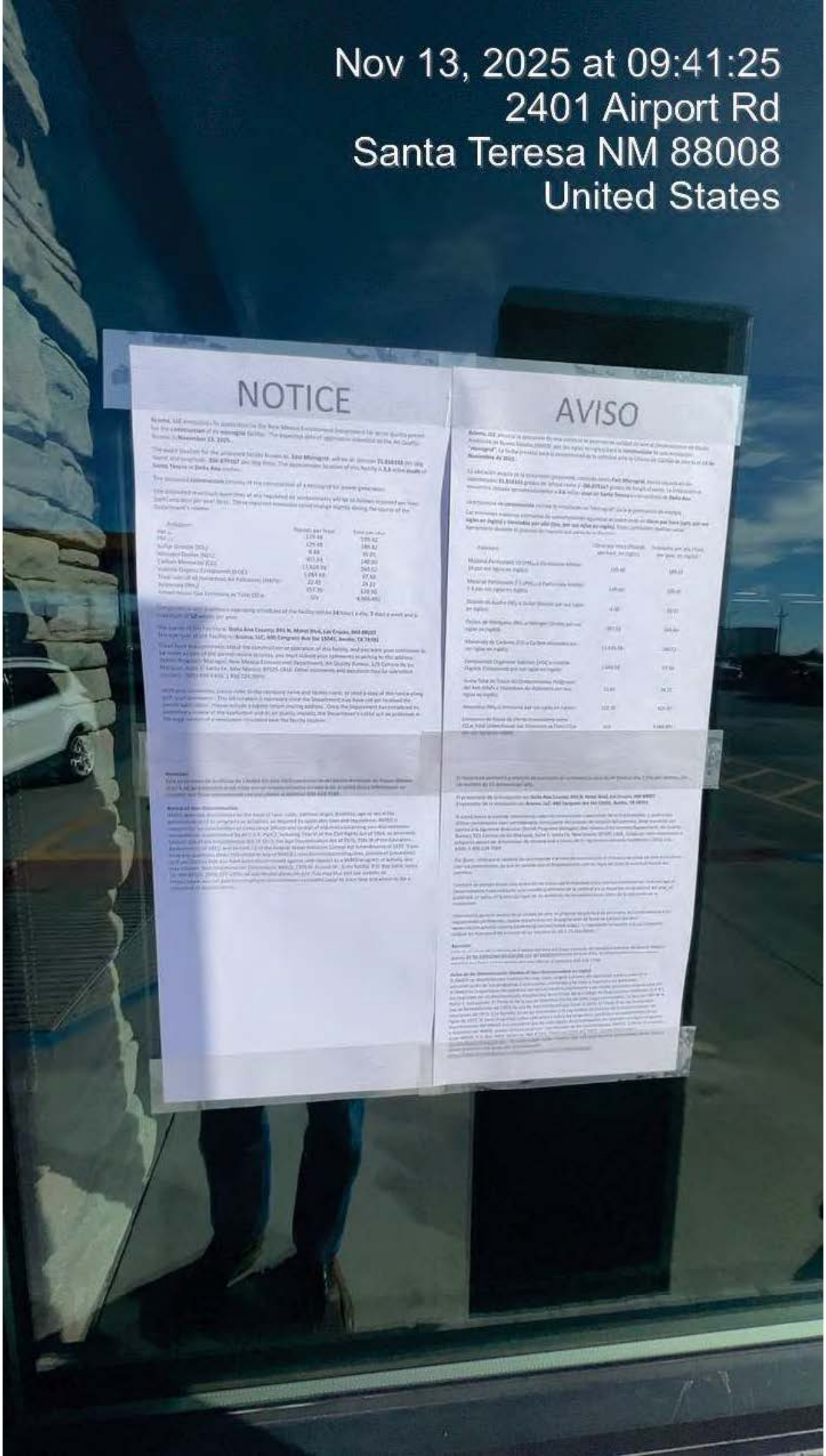
COO Borderplex Digital Assets

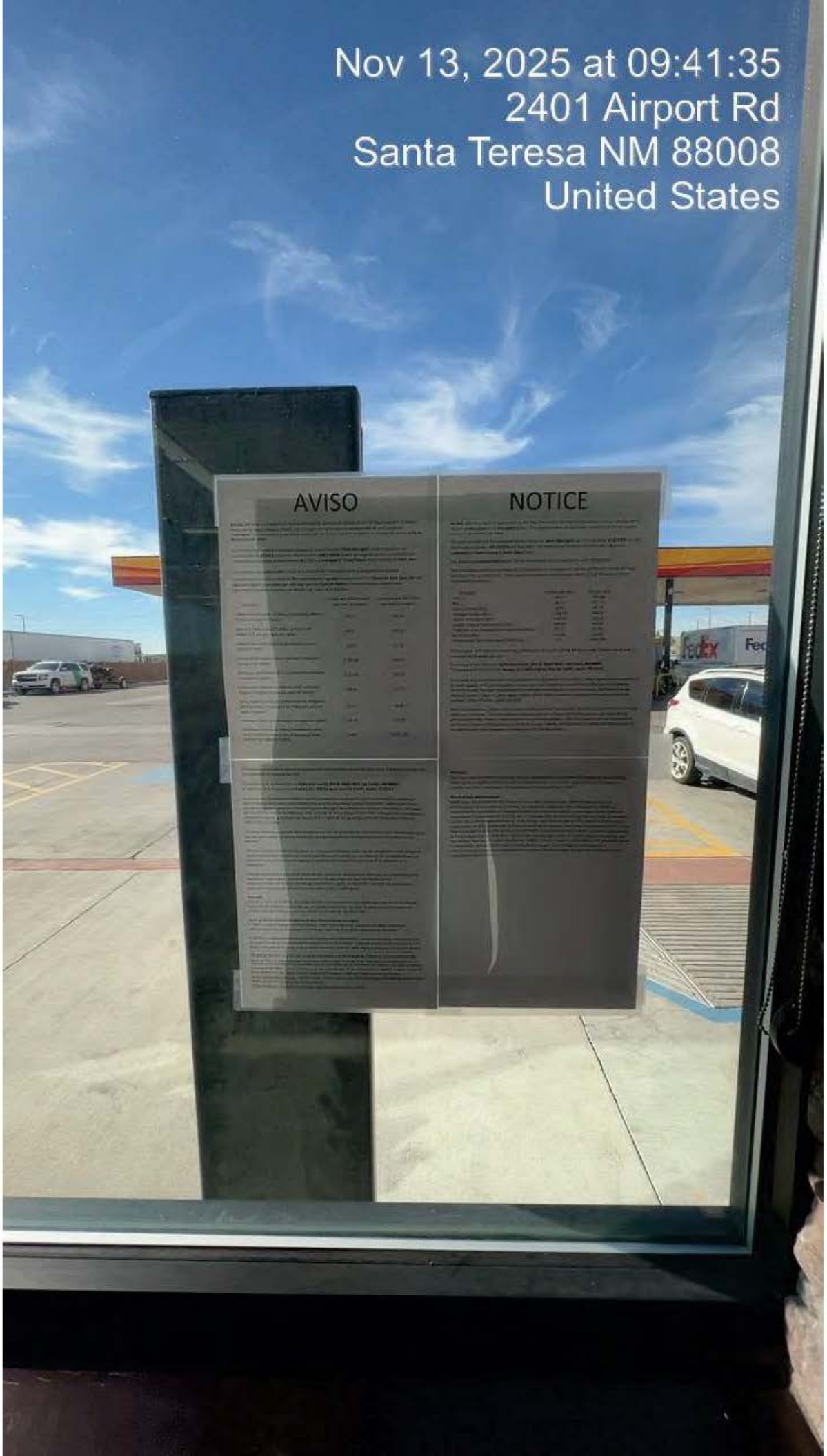
Title {APPLICANT OR RELATIONSHIP TO APPLICANT}


Nov 13, 2025 at 11:09:15
Pete V Domenici Memorial Hwy
Sunland Park NM 88063
United States


Nov 13, 2025 at 11:08:54
Pete V Domenici Memorial Hwy
Sunland Park NM 88063
United States
NOTICE
AVISO

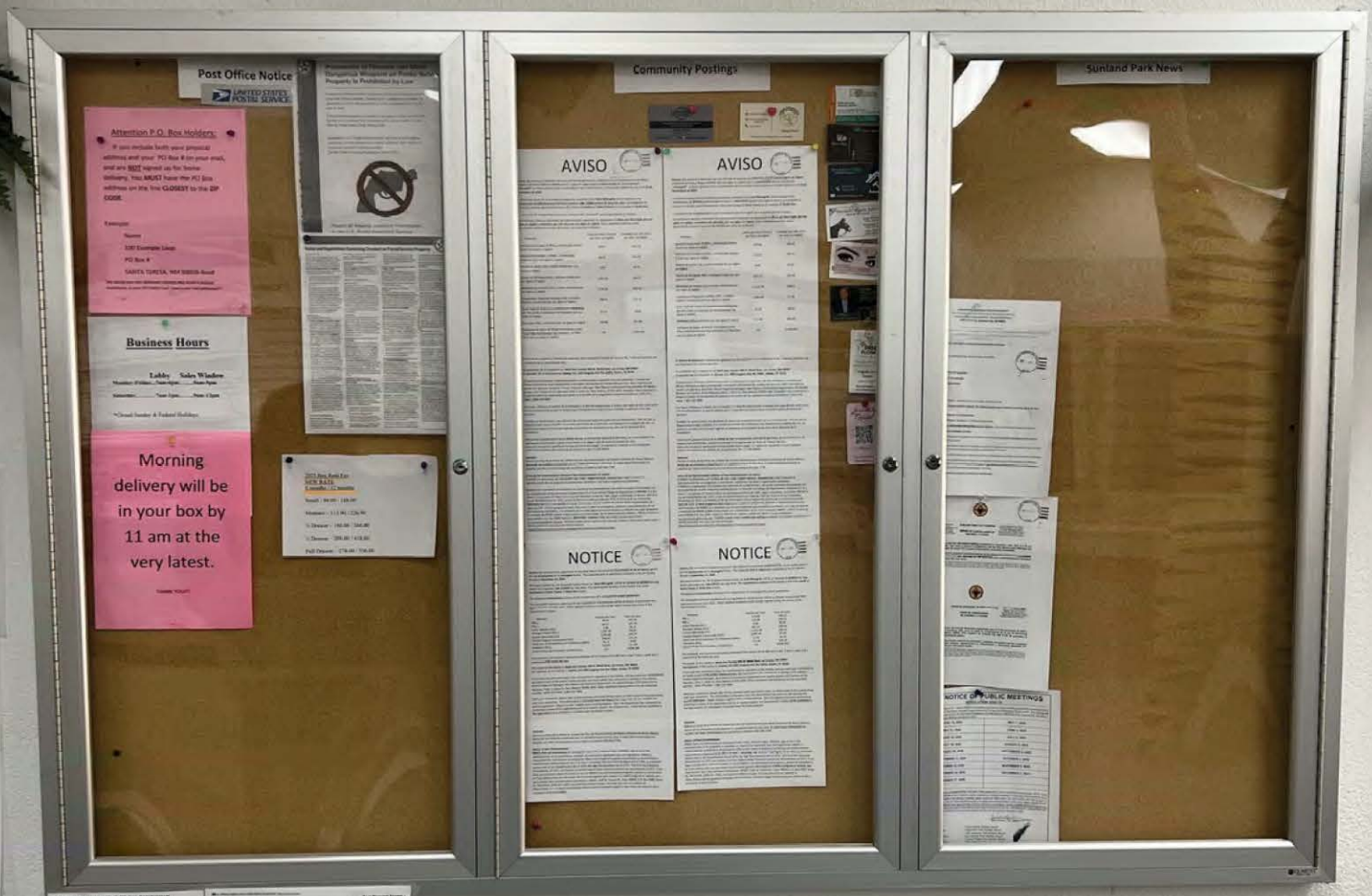

Nov 13, 2025 at 09:42:05
2401 Airport Rd
Santa Teresa NM 88008
United States
Chester's
Love's

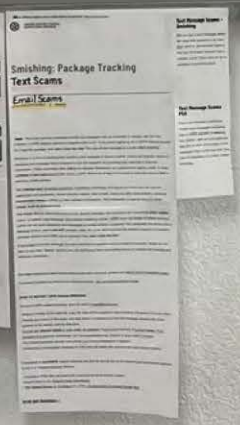

Nov 13, 2025 at 09:41:25
2401 Airport Rd
Santa Teresa NM 88008
United States
NOTICE
AVISO


Nov 13, 2025 at 09:41:35
2401 Airport Rd
Santa Teresa NM 88008
United States
AVISO
NOTICE
FedEx


Nov 13, 2025 at 09:14:57
5250 McNutt Rd
Sunland Park NM 88008
United States
United States
Post Office
Approved Postal Provider

Nov 13, 2025 at 09:12:51
5290 McNutt Rd
Sunland Park NM 88008
United States





Community Postings

AVISO

Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire a Departamento de Medio Ambiente de Nuevo México (NMED), por sus siglas en inglés) para la **construcción** de una instalación **"microgrid"**. La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad del aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **West Microgrid**, estará situada en las coordenadas **32.823333** grados de latitud norte y **-106.713056** grados de longitud oeste. La instalación se encontrará ubicada aproximadamente a **4.1** millas al **sureste** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés) y toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en inglés)	Toneladas por año (Tons per year, en inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	60.57	247.45
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	60.57	247.45
Dioxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	0.08	29.73
Oxidos de Nitrogeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	1,231.48	249.97
Monoxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	9,241.11	249.74
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	299.48	131.75
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	31.71	19.80
Amoniaco (NH_3, o Ammonia por sus siglas en inglés)	114.98	313.69
Emisiones de Gases de Efecto Invernadero como CO2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	N/A	5,928,148

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El arrendatario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 1304S, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción o operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico, 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009.

Por favor, indique el nombre de la compañía y el sitio de construcción, e incluya una copia de este aviso junto con sus comentarios. Si aún no hemos recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para responderle junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local cerca de la ubicación de la instalación.

Información general acerca de la calidad de aire, el proceso de solicitud de permisos, así como enlaces a las regulaciones pertinentes, puede encontrarse en la página web del Buro de Calidad del Aire: www.env.nm.gov/air-quality/permitting-section-home-page/. La regulación relevante a la participación pública en el proceso de revisión de un permiso es 20.2.72.206 NMAC.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7148.

Aviso de No Discriminación (Notice of Non-Discrimination en inglés)
El NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas y actividades, conforme a las leyes y regulaciones aplicables.

El NMED es responsable de coordinar los esfuerzos de cumplimiento y de recibir consultas relacionadas con sus requisitos de no discriminación establecidos en el Título 40 del Código de Regulaciones Federales (C.F.R.), Parte 7, incluyendo: El Título VI de la Ley de Derechos Civiles de 1964, según enmendada; la Sección 504 de la Ley de Rehabilitación de 1973; La Ley de Discriminación por Edad de 1975, El Título IX de las Enmiendas Educativas de 1972; y la Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene preguntas sobre este aviso o sobre los programas, políticas o procedimientos de no discriminación del NMED, o si considera que ha sido objeto de discriminación en relación con algún programa o actividad del NMED, puede comunicarse con: Coordinador de No Discriminación, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502; Teléfono: (505)827-2855; Correo electrónico: nd.coordinator@env.nm.gov. También puede visitar nuestro sitio web para obtener información sobre cómo y dónde presentar una queja por discriminación.
https://www.env.nm.gov/non-employee-discrimination-complaint-page/

NOTICE

Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025**.

The exact location for the proposed facility known as, **West Microgrid**, will be at: latitude **32.823333** deg North and longitude **-106.713056** deg West. The approximate location of this facility is **4.1** miles **southeast** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminants will be as follows in pound per hour (pph) and tons per year (tpy). These reported emissions could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM 10	60.57	247.45
PM 2.5	60.57	247.45
Sulfur Dioxide (SO_2)	0.08	29.73
Nitrogen Oxides (NO_x)	1,231.48	249.97
Carbon Monoxide (CO)	9,241.11	249.74
Volatile Organic Compounds (VOC)	299.48	131.75
Total sum of all Hazardous Air Pollutants (HAPs)	31.71	19.80
Ammonia (NH_3)	114.98	313.69
Green House Gas Emissions as Total CO_2e	N/A	5,928,148

The standard and maximum operating schedules of the facility will be **24** hours a day, **7** days a week and a maximum of **52** weeks per year.

The owner of the facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the facility is: **Acoma, LLC; 600 Congress Ave Ste 1304S, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico, 87505-1816. Other comments and questions may be submitted verbally: (505) 476-4300; 1 800 224-7009.

With your comments, please refer to the company name and facility name, or send a copy of this notice along with your comments. This information is necessary since the Department may have not yet received the permit application. Please include a legible return mailing address. Once the Department has completed its preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Atención
Este es un aviso de la oficina de Calidad del aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7148.

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NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Non-Discrimination Coordinator: NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502; (505) 827-2855; nd.coordinator@env.nm.gov. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.


Nov 13, 2025 at 11:35:01
5622 McNutt Rd
Sunland Park NM 88008
United States
DOLLAR GENERAL


Nov 13, 2025 at 11:34:33
5622 McNutt Rd
Sunland Park NM 88008
United States
NOTICE
AVISO
NOTICE
AVISO

NOTICE

Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminants will be as follows in pound per hour (pph) and tons per year (tpy). These reported emissions could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be **24** hours a day, **7** days a week and a maximum of **52** weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

With your comments, please refer to the company name and facility name, or send a copy of this notice along with your comments. This information is necessary since the Department may have not yet received the permit application. Please include a legible return mailing address. Once the Department has completed its preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Atención
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AVISO

Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid**". La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167** grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01
Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Información general acerca de la calidad de aire, el proceso de solicitud de permisos, así como enlaces a las regulaciones pertinentes, puede encontrarse en la página web del Buró de Calidad del Aire: www.env.nm.gov/air-quality/permitting-section-home-page/. La regulación relevante a la participación pública en el proceso de revisión de un permiso es 20.2.72.206 NMAC.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Aviso de No Discriminación (Notice of Non-Discrimination en inglés)
El NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, conforme a las leyes y regulaciones aplicables.
El NMED es responsable de coordinar los esfuerzos de cumplimiento y de recibir consultas relacionadas con los requisitos de no discriminación establecidos en el Título 40 del Código de Regulaciones Federales (C.F.R.), Parte 7, incluyendo: El Título VI de la Ley de Derechos Civiles de 1964, según enmiendas; La Sección 504 de la Ley de Rehabilitación de 1973; La Ley de Discriminación por Edad de 1975; El Título IX de las Enmiendas Educativas de 1972; y La Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene preguntas sobre este aviso o sobre los programas, políticas o procedimientos de no discriminación del NMED, o si considera que ha sido objeto de discriminación en relación con algún programa o actividad del NMED, puede comunicarse con: Coordinador de No Discriminación; NMED; 1190 St. Francis Dr., Suite N4050; P.O. Box 5469; Santa Fe, NM 87502; Teléfono: (505) 827-2855; Correo electrónico: nd.coordinator@env.nm.gov. También puede visitar nuestro sitio web para obtener información sobre cómo y dónde presentar una queja por discriminación:
https://www.env.nm.gov/non-employee-discrimination-complaint-page/

9.7. Table of Noticed Citizens, Counties, Municipalities, and Tribes

Acoma, LLC - East Microgrid

Notified Property Owners

Property Owner	Address	City	State	Zip Code
El Paso Electric Company	221 N Kansas Suite 2101	El Paso	TX	79901
Abandoned So Pacific Rail Line	1800 Marquess St.	Las Cruces	NM	88005
Santa Teresa Land LLC	PO Box 2539	San Antonio	TX	78299
Doña Ana County	845 N Motel Blvd	Las Cruces	NM	88007
Alta Mesa Estates LLC	5336 Corinthian Bay Dr	Plano	TX	75093
Jobe Materials LP	1150 Southview Drive	El Paso	TX	79928
Southern Pacific Trans Corp attn. Leonard Shirley Sr. Mgr. PTC	1400 Douglas Stop 1640	Omaha	NE	68179-1640
Paseo Del Norte LLC	PO Box 2539	San Antonio	TX	78299
Santa Teresa Captial LLC	601 N. Mesa, Suite 1500	El Paso	TX	79901

Notified Municipalities - 10 mile radius

Municipality	Address	City	State	Zip Code
City of Santa Teresa Limited Government – Local Control	P.O. BOX 1362	Santa Teresa	NM	88008-136
La Union Helping Hands	3157 Alvarez Rd.	Anthony	NM	88021
Mario Juarez-Infante - Sunland Park City Manager	1000 McNutt Rd.	Sunland Park	NM	88063
Dionne Mack - El Paso City Manager	300 N Campbell St.	El Paso	TX	79901

Notified Counties- 10 mile radius

County	Address	City	State	Zip Code
Scott Andrews - Doña Ana County Manager	845 N Motel Blvd.	Las Cruces	NM	88007
Betsy C. Keller - El Paso County Chief Administrator	500 E. San Antonio, Suite 302A	El Paso	TX	79901

Notified Tribes - 10 mile radius

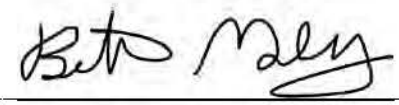
Indian tribe	Address	City	State	Zip Code
N/A - There are no Indian tribes within a 10-mile radius of the facility property boundary.				

9.8. Radio Public Service Announcement and Proof of Submittal

Submittal of Public Service Announcement – Certification

I, Beth Morley, the undersigned, certify that on **November 13, 2025**, submitted a public service announcement to **96.3 KHEY** that serves the Community of **Santa Teresa**, **Doña Ana** County, New Mexico, in which the source is or is proposed to be located and that **RADIO DID NOT RESPOND.**

Signed this 14 day of November , 2025 ,



Signat**ure**

11/14/2025
Date

BETH MORLEY
Printed Name

CONSULTANT
Title

Jaimy Karacaoglu

From: Beth Morley
Sent: Thursday, November 13, 2025 2:39 PM
To: insidesalescoordinators@iheartmedia.com
Cc: Jaimy Karacaoglu
Subject: Request for two (2) PSAs - 96.3 KHEY Country
Attachments: East MG_PSA script_v3.0_2025 1112.pdf; West MG_PSA script_v3.0_2025 1112.pdf

Good afternoon,

Per New Mexico Administrative Code 20.2.72.203.B NMAC and according to the Guidance for Public Notice for Air Quality Permit Applications – **(5) Notifications: Submittal of Public Service Announcement (PSA):** A public service announcement required for permits and significant permit revisions must be submitted to at least one radio or television station, which services the municipality, or county which the facility is or will be located. **Therefore, based on the above, we respectfully ask you to air the attached scripts as two separate Public Service Announcements.**

Prior to payment for the PSAs, we will need to know the following:

1. What **radio station** will the PSAs be played on; and
2. What **date** and **time** will each of the PSAs be aired.

Please let me know if you have any questions.

Regards,

Beth Morley
Consultant

P 505.266.6611
Email: Beth.Morley@Trinityconsultants.com
9400 Holly Avenue NE, Building 3, Suite B, Albuquerque, NM 87122

This is a Public Service Announcement for an initial air quality permit application for a microgrid facility per the requirements of New Mexico Administrative Code 20.2.72.203.D. The name of the facility is the East Microgrid. The East Microgrid facility is located at the following coordinates: **31.818333** degrees North and **-106.679167** degrees West. The principal owner of East Microgrid is Doña Ana County. The principal operator of East Microgrid is Acoma, LLC. The permit is sought for the proposed construction of a microgrid for power generation.

Public notice has been posted near Santa Teresa, New Mexico at the following locations:

At the facility entrance of the East Microgrid, the United States Post Office in Santa Teresa located at 5290 McNutt Rd #211, in Santa Teresa, New Mexico, Zip Code 88008, at the Loves Travel Stop located at 2401 Airport Rd in Santa Teresa, New Mexico, Zip Code 88008, and at the Dollar General located at 5622 McNutt Rd in Sunland Park, New Mexico, Zip Code 88008.

Comments may be directed to the following address: Permits Program Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez; Suite 1, Santa Fe, New Mexico, 87505-1816. Comments may be directed to the following telephone numbers: (505) 476-4300 or 1(800) 224-7009.

Este es un Anuncio de Servicio Público relacionado con la solicitud inicial de un permiso de calidad del aire para una instalación de microrred propuesta, conforme a los requisitos del Código Administrativo de Nuevo México, regulación 20.2.72.302.D. El nombre de la instalación propuesta es East Microgrid. La ubicación de esta instalación está situada en las siguientes coordenadas: **31.818333** grados de latitud norte y -**106.679167** grados de longitud oeste. El propietario principal de East Microgrid es Doña Ana County. El operador principal de East Microgrid es Acoma, LLC. Se solicita el permiso para la instalación de una microrred (microgrid, en inglés) destinada a la generación eléctrica.

Se ha colocado un aviso público cerca de Santa Teresa, Nuevo México, en las siguientes ubicaciones:

En la entrada de la instalación de East Microgrid; en la Oficina Postal de Estados Unidos (United States Post Office, en inglés) ubicada en 5290 McNutt RD #211, en Santa Teresa, Nuevo México, Codigo Postal 88008; en la tienda Loves Travel Stop ubicada en 2401 Airport Rd en Santa Teresa, Nuevo México, código postal 88008; Dollar General ubicada en 5622 McNutt Rd en Sunland Park, Nuevo México, código postal 88008.

Se pueden dirigir comentarios a la siguiente dirección: Permits Program Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez; Suite 1, Santa Fe, New Mexico, 87505-1816. También puede presentar comentarios a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009.

Radio Station Information

96.3 KHEY Country

KHEY 96.3 FM

El Paso's Only Country Station

City of License:
El Paso, TX (https://www.radiolineup.com/locate/El-Paso-TX)

Format:
Country

Market:
El Paso, TX (/locate/El-Paso-TX)

Web site:
https://khey.iheart.com (/external.php?id=69563&type=site)

Live Stream:
http://www.iheart.com/live/3192 (/external.php?id=69563&type=stream)

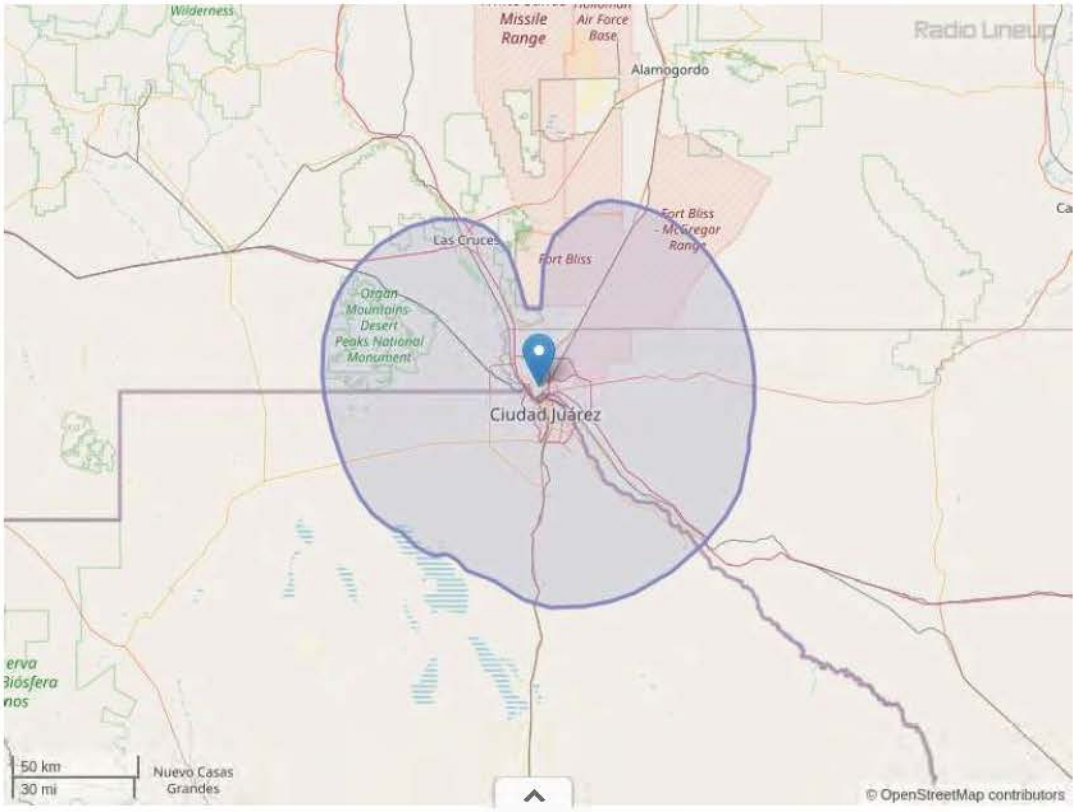
Owner:
iHeartMedia (/owners/iHeartMedia) (Ihm Licenses, LLC)

Address:
4045 N Mesa St
El Paso, TX 79902

Phone:
915-880-9696

KHEY is an FM radio station broadcasting at 96.3 MHz. The station is licensed to El Paso, TX and is part of that radio market. The station broadcasts Country music programming and goes by the name "96.3 KHEY Country" on the air with the slogan "El Paso's Only Country Station". KHEY is owned by iHeartMedia.

Station Coverage Map



9.9. Newspaper Legal Ad and Legal Ad Affidavit

NOTICE OF AIR QUALITY PERMIT APPLICATION

Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	129.48	189.42
$PM_{2.5}$	129.48	189.42
Sulfur Dioxide (SO_2)	8.88	35.01
Nitrogen Oxides (NO_x)	907.53	248.90
Carbon Monoxide (CO)	11,624.98	248.52
Volatile Organic Compounds (VOC)	1,084.68	67.48
Total sum of all Hazardous Air Pollutants (HAPs)	22.45	24.22
Ammonia (NH_3)	157.36	620.30
Green House Gas Emissions as Total CO_2e	n/a	8,666,492

The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

The owner of the Facility is: **Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
The operator of the Facility is: **Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and site name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

General information about air quality and the permitting process, and links to the regulations can be found at the Air Quality Bureau's website: www.env.nm.gov/air-quality/permitting-section-home-page/. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Notice of Non-Discrimination
NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

AVISO DE SOLICITUD DE PERMISO DE CALIDAD DEL AIRE (NOTICE OF AIR QUALITY PERMIT APPLICATION)

Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid**". La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167** grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01

Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es**: Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es**: Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Información general acerca de la calidad de aire, el proceso de solicitud de permisos, así como enlaces a las regulaciones pertinentes, puede encontrarse en la página web del Buró de Calidad del Aire: www.env.nm.gov/air-quality/permitting-section-home-page/. La regulación relevante a la participación pública en el proceso de revisión de un permiso es 20.2.72.206 NMAC.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

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9.10. Newspaper Display Ad and Display Ad Affidavit

NOTICE OF AIR QUALITY PERMIT APPLICATION

Acoma, LLC announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **microgrid** facility. The expected date of application submittal to the Air Quality Bureau is **November 13, 2025.**

The exact location for the proposed facility known as, **East Microgrid**, will be at latitude **31.818333** dec deg North and longitude **-106.679167** dec deg West. The approximate location of this facility is **3.6** miles **south** of **Santa Teresa** in **Doña Ana** county.

The proposed **construction** consists of the construction of a microgrid for power generation.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy) and could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
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The standard and maximum operating schedules of the facility will be 24 hours a day, 7 days a week and a maximum of 52 weeks per year.

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Please refer to the company name and site name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

General information about air quality and the permitting process, and links to the regulations can be found at the Air Quality Bureau's website: www.env.nm.gov/air-quality/permitting-section-home-page/. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC.

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AVISO DE SOLICITUD DE PERMISO DE CALIDAD DEL AIRE (NOTICE OF AIR QUALITY PERMIT APPLICATION)

Acoma, LLC anuncia la aplicación de una solicitud de permiso de calidad de aire al Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en ingles) para la **construcción** de una instalación "**microgrid**". La fecha prevista para la presentación de la solicitud ante la Oficina de Calidad de aire es el **13 de Noviembre de 2025**.

La ubicación exacta de la instalación propuesta, conocida como **East Microgrid**, estará situada en las coordenadas **31.818333** grados de latitud norte y **-106.679167** grados de longitud oeste. La instalación se encuentra ubicada aproximadamente a **3.6** millas al **sur** de **Santa Teresa** en el condado de **Doña Ana**.

La propuesta de **construcción** incluye la instalación de "microgrid" para la generación de energía.

Las emisiones máximas estimadas de contaminantes regulados se expresarán en **libras por hora (pph, por sus siglas en inglés)** y **toneladas por año (tpy, por sus siglas en inglés)**. Estas cantidades podrían variar ligeramente durante el proceso de revisión por parte de la División.

Pollutant:	Libras por Hora (Pounds per hour, en Inglés)	Toneladas por año (Tons per year, en Inglés)
Material Particulado 10 (PM_{10} o Particulate Matter 10 por sus siglas en inglés)	129.48	189.42
Material Particulado 2.5 ($PM_{2.5}$ o Particulate Matter 2.5 por sus siglas en inglés)	129.48	189.42
Dióxido de Azufre (SO_2 o Sulfur Dioxide por sus siglas en inglés)	8.88	35.01

Óxidos de Nitrógeno (NO_x o Nitrogen Oxides por sus siglas en inglés)	907.53	248.90
Monóxido de Carbono (CO o Carbon Monoxide por sus siglas en inglés)	11,624.98	248.52
Compuestos Orgánicos Volátiles (VOC o Volatile Organic Compounds por sus siglas en inglés)	1,084.68	67.48
Suma Total de Todos los Contaminantes Peligrosos del Aire (HAPs o Hazardous Air Pollutants por sus siglas en inglés)	22.45	24.22
Amoníaco (NH_3 o Ammonia por sus siglas en inglés)	157.36	620.30
Emisiones de Gases de Efecto Invernadero como CO_2e Total (Greenhouse Gas Emissions as Total CO_2e por sus siglas en inglés)	n/a	8,666,492

El horario de promedio y máximo de operación de la instalación será de 24 horas al día, 7 días por semana, por un máximo de 52 semanas por año.

El propietario de la instalación es**: Doña Ana County; 845 N. Motel Blvd, Las Cruces, NM 88007**
El operador de la instalación es**: Acoma, LLC; 600 Congress Ave Ste 15041, Austin, TX 78701**

Si usted desea presentar comentarios sobre la construcción u operación de esta instalación, y quiere que dichos comentarios sean considerados como parte del proceso de revisión del permiso, debe enviarlos por escrito a la siguiente dirección: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Cualquier otro comentario o pregunta puede ser presentado de manera oral a través de los siguientes números telefónicos: (505) 476-4300; 1 800 224-7009

Por favor, refiérase al nombre de la compañía y al sitio de construcción, o incluya una copia de este aviso junto con sus comentarios, ya que es posible que el Departamento aún no haya recibido la solicitud formal del permiso.

También se solicita incluir una dirección de correo para respuesta junto con sus comentarios. Una vez que el Departamento haya realizado una revisión preliminar de la solicitud y sus impactos en la calidad del aire, se publicará un aviso en la sección legal de un periódico de circulación local, cerca de la ubicación de la instalación.

Información general acerca de la calidad de aire, el proceso de solicitud de permisos, así como enlaces a las regulaciones pertinentes, puede encontrarse en la página web del Buró de Calidad del Aire: www.env.nm.gov/air-quality/permitting-section-home-page/. La regulación relevante a la participación pública en el proceso de revisión de un permiso es 20.2.72.206 NMAC.

Atención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-7748.

Aviso de No Discriminación (Notice of Non-Discrimination en inglés)

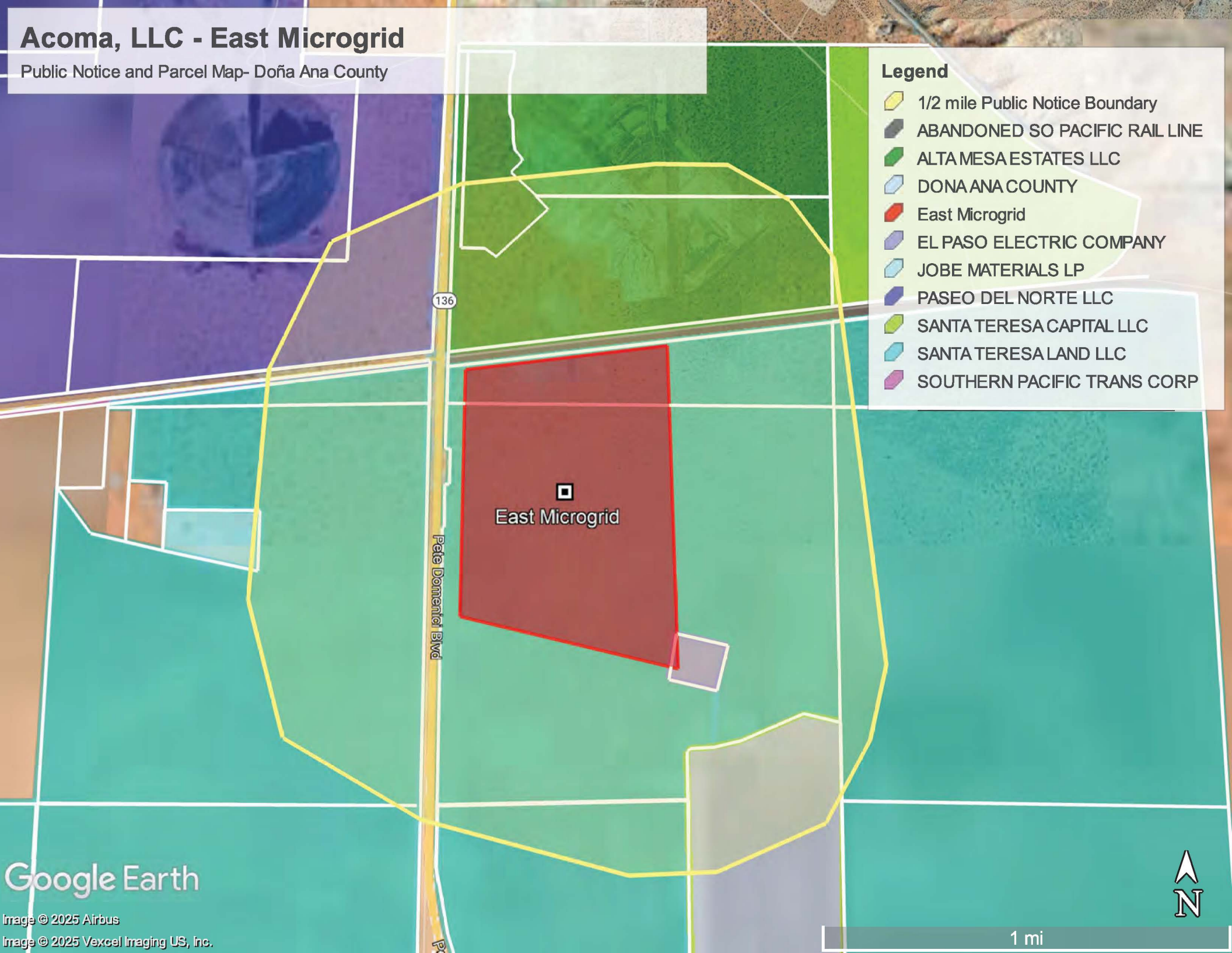
El NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, conforme a las leyes y regulaciones aplicables.

El NMED es responsable de coordinar los esfuerzos de cumplimiento y de recibir consultas relacionadas con los requisitos de no discriminación establecidos en el Título 40 del Código de Regulaciones Federales (C.F.R.), Parte 7, incluyendo: El Título VI de la Ley de Derechos Civiles de 1964, según enmiendas; La Sección 504 de la Ley de Rehabilitación de 1973; La Ley de Discriminación por Edad de 1975; El Título IX de las Enmiendas Educativas de 1972; y La Sección 13 de las Enmiendas a la Ley Federal de Control de la Contaminación del Agua de 1972. Si tiene preguntas sobre este aviso o sobre los programas, políticas o procedimientos de no discriminación del NMED, o si considera que ha sido objeto de discriminación en relación con algún programa o actividad del NMED, puede comunicarse con: Coordinador de No Discriminación; NMED; 1190 St. Francis Dr., Suite N4050; P.O. Box 5469; Santa Fe, NM 87502; Teléfono: (505) 827-2855; Correo electrónico: nd.coordinator@env.nm.gov. También puede visitar nuestro sitio web para obtener información sobre cómo y dónde presentar una queja por discriminación: https://www.env.nm.gov/non-employee-discrimination-complaint-page/

9.11. Map of Facility and Notified Parcel Owners

Acoma, LLC - East Microgrid

Public Notice and Parcel Map- Doña Ana County



Section 10

Written Description of the Routine Operations of the Facility

A written description of the routine operations of the facility. Include a description of how each piece of equipment will be operated, how controls will be used, and the fate of both the products and waste generated. For modifications and/or revisions, explain how the changes will affect the existing process. In a separate paragraph describe the major process bottlenecks that limit production. The purpose of this description is to provide sufficient information about plant operations for the permit writer to determine appropriate emission sources.

The simple cycle gas turbines at this facility are a type of heat engine that converts fuel into mechanical energy. They operate in three main steps: compression, combustion, and expansion. Ambient air is drawn into a compressor (the air may be chilled through evaporative cooling or otherwise). Compressing the air increases its temperature and density. The high-pressure air flows into a combustion chamber, where natural gas fuel (received from off-site pipeline) is injected and burned. The high-pressure gas generated (products of combustion and excess air) enter the turbine, which converts the energy of the stream into shaft work. Some of the work powers the compressor itself, and the remainder drives the generator to produce electricity. The SCR and oxidation catalyst system involves the injection of tempering air into the exhaust ductwork to reduce the temperature of the exhaust gas (this increases the stack flow approximately 30% above the turbine manufacturer's estimated stack flow rate). The tempered exhaust enters a CO oxidation catalyst bed and thence through an ammonia injection grid. The exhaust-ammonia mixture passes through a bed of SCR catalyst, reducing the NO_X to elemental nitrogen. Generated electricity is stepped up or down to the appropriate voltage and delivered offsite via electrical equipment including transformers, switchgear, and busbars.

The turbines are baseload units and their production is normally constrained by maximum temperature limits of the equipment. Therefore, the inlet air temperature is the main physical factor limiting annual production. Pre-cooling of inlet air may be employed to reduce the inlet air temperature during hot days. Consequently, the annual fuel consumption (see sec. 1-C of Form UA-1) is less than the rate implied by the maximum hourly rate. A non-physical constraint on output will be the proposed emissions caps. The amount of output achievable under the emission cap depends on the annual average pollutant concentration and heat rate achieved.

Configuration 1:
Of the seven (7) turbines at the site, during normal operations only five (5) units will be operating at the same time. At certain total load levels in-line spares may be placed in spinning reserve mode, such that a load equivalent to five (5) turbines is spread across seven (7) units. Not more than five (5) units will operate simultaneously at maximum emission rates.

Configuration 2:
Of the six (6) turbines at the site, during normal operations only two (2) [redacted] and two (2) [redacted] units will be operating at the same time. At certain total load levels in-line spares may be placed in spinning reserve mode, such that the overall load is spread across more than four (4) units. Not more than two [redacted] units and two (2) [redacted] units will operate simultaneously at maximum emission rates.

Section 11
Source Determination
Source submitting under 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC

Sources applying for a construction permit, PSD permit, or operating permit shall evaluate surrounding and/or associated sources (including those sources directly connected to this source for business reasons) and complete this section. Responses to the following questions shall be consistent with the Air Quality Bureau's permitting guidance, Single Source Determination Guidance, which may be found on the Applications Page in the Permitting Section of the Air Quality Bureau website.

Typically, buildings, structures, installations, or facilities that have the same SIC code, that are under common ownership or control, and that are contiguous or adjacent constitute a single stationary source for 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC applicability purposes. Submission of your analysis of these factors in support of the responses below is optional, unless requested by NMED.

A. Identify the emission sources evaluated in this section (list and describe)**: See Attached Memo.**

B. Apply the 3 criteria for determining a single source:

SIC Code: Surrounding or associated sources belong to the same 2-digit industrial grouping (2-digit SIC code) as this facility, OR surrounding or associated sources that belong to different 2-digit SIC codes are support facilities for this source.

☑ **Yes** ☐ **No**

Common Ownership or Control: Surrounding or associated sources are under common ownership or control as this source.

☑ **Yes** ☐ **No**

Contiguous or Adjacent: Surrounding or associated sources are contiguous or adjacent with this source.

☐ **Yes** ☑ **No**

C. Make a determination:

☑ The source, as described in this application, constitutes the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes. If in "A" above you evaluated only the source that is the subject of this application, all "**YES**" boxes should be checked. If in "A" above you evaluated other sources as well, you must check **AT LEAST ONE** of the boxes "**NO**" to conclude that the source, as described in the application, is the entire source for 20.2.70, 20.2.72, 20.2.73, and 20.2.74 NMAC applicability purposes.

☐ The source, as described in this application, **does not** constitute the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes (A permit may be issued for a portion of a source). The entire source consists of the following facilities or emissions sources (list and describe):

October 31, 2025

Via electronic mail

Jesse Lovegren, Ph.D., P.E.
Managing Consultant for Acoma, LLC
Trinity Consultants
9737 Great Hills Trail, Suite 340
Austin, Texas 78759

Electronic mail: Jesse.Lovegren@trinityconsultants.com

Re: Single Source Determination Letter

Dear Jesse Lovegren:

Based on the information you have provided to the New Mexico Environment Department (NMED), NMED has determined that the Acoma, LLC West Microgrid ("Acoma West"), which will produce and provide electric energy to a nearby datacenter, and Acoma, LLC East Microgrid ("Acoma East"), which will also produce and provide electric energy to the same data center, do not qualify as a single stationary source under 20.2.72 NMAC.

Although the projects are under common control and belong to the same industrial grouping, they are located on separate parcels not considered contiguous or adjacent to one another. The land separating the two parcels is not owned by Acoma, LLC. Should this change, NMED reserves the right to reconsider the determination based on new information.

Therefore, Acoma West and Acoma East are each eligible and required to file for separate air construction permits for their respective facilities.

This determination is subject to change if facts or evidence become available that show the entities may be considered contiguous or adjacent or if Prevention of Significant Deterioration (PSD) considerations alter this pre-determination.

Please contact NMED if you have questions regarding this determination.

Sincerely,

Cindy Hollenberg
Air Quality Bureau Chief

Cc: Michelle Miano, Environmental Protection Division Director, NMED
Zachary Ogaz, General Counsel, NMED

Section 12

Section 12.A
PSD Applicability Determination for All Sources

(Submitting under 20.2.72, 20.2.74 NMAC)

A PSD applicability determination for all sources. For sources applying for a significant permit revision, apply the applicable requirements of 20.2.74.AG and 20.2.74.200 NMAC and to determine whether this facility is a major or minor PSD source, and whether this modification is a major or a minor PSD modification. It may be helpful to refer to the procedures for Determining the Net Emissions Change at a Source as specified by Table A-5 (Page A.45) of the EPA New Source Review Workshop Manual to determine if the revision is subject to PSD review.

A. This facility is:

- ☑ **a minor PSD source before and after this modification (if so, delete C and D below).**
- ☑ ***a new minor PSD source (new paragraph C is supplied to indicate the potential to emit. Paragraph B does not apply because there is no "project" (physical or operational change of an existing major stationary source; 20.2.74.7.AQ NMAC).***
- ☐ **a major PSD source before this modification. This modification will make this a PSD minor source.**
- ☐ **an existing PSD Major Source that has never had a major modification requiring a BACT analysis.**
- ☐ **an existing PSD Major Source that has had a major modification requiring a BACT analysis**
- ☐ **a new PSD Major Source after this modification.**

B. **This facility is not one of the listed 20.2.74.501 Table I – PSD Source Categories. The "project" emissions for this modification are not significant. The "project" emissions listed below do only result from changes described in this permit application, thus no emissions from other [revisions or modifications, past or future] to this facility. Also, specifically discuss whether this project results in "de-bottlenecking", or other associated emissions resulting in higher emissions. The project emissions (before netting) for this project are as follows [see Table 2 in 20.2.74.502 NMAC for a complete list of significance levels]:**

a.	**NOx:**	**248.90**	**TPY**
b.	**CO:**	**246.95**	**TPY**
c.	**VOC:**	**61.35**	**TPY**
d.	**SOx:**	**32.756**	**TPY**
e.	**PM:**	**189.42**	**TPY**
f.	**PM_{10}:**	**189.42**	**TPY**
g.	**$PM_{2.5}$:**	**189.42**	**TPY**
h.	**Flourides:**	**N/A**	**TPY**
i.	**Lead:**	**N/A**	**TPY**
j.	**Sulfur Compounds (listed in Table 2):**	**32.76**	**TPY**
k.	**GHG:**	**7,959,054**	**TPY**

C. The facility is not one of the listed 20.2.74.501 Table I — PSD Source categories. See EPA memorandum dated February 2, 1993 (interpreting gas turbine combined cycle plants to be named sources). Simple cycle turbines are not steam electric plants because they do not use steam to generate electricity. The new stationary source is not a major stationary source (see 20.2.74.200.A NMAC) because the potential to emit of each regulated NSR pollutant, as shown below, is less than the threshold of 250 tons per year specified in 20.2.74.7.AG NMAC.

Section 13

Determination of State & Federal Air Quality Regulations

This section lists each state and federal air quality regulation that may apply to your facility and/or equipment that are stationary sources of regulated air pollutants.

Not all state and federal air quality regulations are included in this list. Go to the Code of Federal Regulations (CFR) or to the Air Quality Bureau's regulation page to see the full set of air quality regulations.

Required Information for Specific Equipment:
For regulations that apply to specific source types, in the 'Justification' column **provide any information needed to determine if the regulation does or does not apply**. **For example**, to determine if emissions standards at 40 CFR 60, Subpart IIII apply to your three identical stationary engines, we need to know the construction date as defined in that regulation; the manufacturer date; the date of reconstruction or modification, if any; if they are or are not fire pump engines; if they are or are not emergency engines as defined in that regulation; their site ratings; and the cylinder displacement.

Required Information for Regulations that Apply to the Entire Facility:
See instructions in the 'Justification' column for the information that is needed to determine if an 'Entire Facility' type of regulation applies (e.g. 20.2.70 or 20.2.73 NMAC).

Regulatory Citations for Regulations That Do Not, but Could Apply:
If there is a state or federal air quality regulation that does not apply, but you have a piece of equipment in a source category for which a regulation has been promulgated, you must **provide the low level regulatory citation showing why your piece of equipment is not subject to or exempt from the regulation. For example** if you have a stationary internal combustion engine that is not subject to 40 CFR 63, Subpart ZZZZ because it is an existing 2 stroke lean burn stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, your citation would be 40 CFR 63.6590(b)(3)(i). **We don't want a discussion of every non-applicable regulation, but if it is possible a regulation could apply, explain why it does not. For example,** if your facility is a power plant, you do not need to include a citation to show that 40 CFR 60, Subpart OOO does not apply to your non-existent rock crusher.

Regulatory Citations for Emission Standards:
For each unit that is subject to an emission standard in a source specific regulation, such as 40 CFR 60, Subpart OOO or 40 CFR 63, Subpart HH, include the low level regulatory citation of that emission standard. Emission standards can be numerical emission limits, work practice standards, or other requirements such as maintenance. **Here are examples:** a glycol dehydrator is subject to the general standards at 63.764C(1)(i) through (iii); an engine is subject to 63.6601, Tables 2a and 2b; a crusher is subject to 60.672(b), Table 3 and all transfer points are subject to 60.672(e)(1)

Federally Enforceable Conditions:
All federal regulations are federally enforceable. All Air Quality Bureau State regulations are federally enforceable except for the following: affirmative defense portions at 20.2.7.6.B, 20.2.7.110(B)(15), 20.2.7.11 through 20.2.7.113, 20.2.7.115, and 20.2.7.116; 20.2.37; 20.2.42; 20.2.43; 20.2.62; 20.2.63; 20.2.86; 20.2.89; and 20.2.90 NMAC. Federally enforceable means that EPA can enforce the regulation as well as the Air Quality Bureau and federally enforceable regulations can count toward determining a facility's potential to emit (PTE) for the Title V, PSD, and nonattainment permit regulations.

INCLUDE ANY OTHER INFORMATION NEEDED TO COMPLETE AN APPLICABILITY DETERMINATION OR THAT IS RELEVENT TO YOUR FACILITY'S NOTICE OF INTENT OR PERMIT.

EPA Applicability Determination Index for 40 CFR 60, 61, 63, etc: http://cfpub.epa.gov/adi/

Table for State Regulations:

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.1 NMAC	General Provisions	Yes	Facility	*Applies sitewide. Acoma will comply with procedural requirements indicated in 20.1.114 NMAC, 20.1.115 NMAC, 20.1.116 NMAC, and 20.1.117 NMAC (concerning variance hearings, confidential information, significant digits, and electronic reporting) to the extent applicable.*
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	Yes	Facility	*Applies sitewide. Acoma understands that the NMAAQS represent objectives to preserve the State's air resources and that the NMAAQS are not applicable requirements under Part 70. See 20.2.3.9 NMAC.*
20.2.7 NMAC	Excess Emissions	Yes	Facility	*Applies sitewide. Acoma will implement a maintenance plan as required under 20.2.7.14 NMAC, and will comply with the notification, affirmative defense, and root cause requirements of 20.2.7.108–114 NMAC.*
20.2.23 NMAC	Fugitive Dust Control	No	Facility	*Does not apply. Site will be issued a permit pursuant to the Air Quality Control Act. See 20.2.23.108.B(3).*
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	Yes	TUR-F-1 through TUR-F-7, TUR-H-1, TUR-H-2	*The units will have a heat input greater than 1,000,000 MMBtu/yr and will meet the NO_X emission limits of 20.2.33.108.A.*
20.2.34 NMAC	Oil Burning Equipment: NO_2	No	N/A	*Oil burning equipment will not be installed. See 20.2.34.108 NMAC.*
20.2.35 NMAC	Natural Gas Processing Plant – Sulfur	No	N/A	*The facility is not a natural gas processing plant. See 20.2.109, 110 NMAC.*
20.2.37 and 20.2.36 NMAC	Petroleum Processing Facilities and Petroleum Refineries	N/A	N/A	*Repealed.*
20.2.38 NMAC	Hydrocarbon Storage Facility	No	N/A	*This facility is not a Hydrocarbon Storage Facility.*
20.2.39 NMAC	Sulfur Recovery Plant - Sulfur	No	N/A	*This facility is not a Sulfur Recovery Plant.*
20.2.50 NMAC	Oil and Gas Sector – Ozone Precursor Pollutants	No	N/A	*This facility is not part of the Oil and Gas Sector.*
20.2.61.109 NMAC	Smoke & Visible Emissions	Yes	TUR-F-1 through TUR-F-7, TUR-H-1, TUR-H-2	*Acoma will comply with the 20% opacity limit in 20.2.61.109 NMAC based on the determination methods specified in 20.2.61.114 NMAC for stationary combustion equipment at the site. Acoma will not operate any locomotives or air curtain incinerators at the site.*
20.2.70 NMAC	Operating Permits	Yes	Facility	*Acoma will submit a timely and complete operating permit application as required under 20.2.70.200, 201, 300 NMAC.*
20.2.71 NMAC	Operating Permit Fees	Yes	Facility	*Acoma will comply with the fee provisions of Part 71. The department will provide an invoice for fees owed by April 1 of each year per 20.2.71.113.A NMAC.*
20.2.72 NMAC	Construction Permits	Yes	Facility	*This permit application is submitted to satisfy Part 72 requirements.*
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	*Because a permit is required, final action on the permit will satisfy requirements of 20.2.73.200.A(4) NMAC. Additionally, Acoma will comply with the emissions inventory requirements of 20.2.73.300 NMAC.*
20.2.74 NMAC	Permits – Prevention of	No	Facility	*PSD permitting does not apply because the proposed new stationary source is not a major stationary source. Specifically, the source is not listed in table 1*

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
	Significant Deterioration (PSD)			*(20.2.74.501 NMAC) and the potential to emit is less than 250 tons per year for each regulated new source review pollutant. See EPA memorandum dated February 2, 1993 (interpreting gas turbine combined cycle plants to be named sources). Simple cycle turbines are not steam electric plants because they do not use steam to generate electricity.*
20.2.75 NMAC	Construction Permit Fees	Yes	Facility	*This regulation applies since this application is being submitted pursuant to 20.2.72 NMAC.*
20.2.77 NMAC	New Source Performance	Yes	TUR-F-1 through TUR-F-7, TUR-H-1, TUR-H-2	*The combustion turbines will be operated as stationary combustion turbines. For each relocated unit constructed on or after the applicability date of NSPS GG, KKKK, TTTT, and/or TTTTa, Acoma will comply with applicable regulations. See below for additional details.* *Exempt emergency engines will be subject to and comply with applicable requirements of NSPS IIII. See below for additional details.*
20.2.78 NMAC	Emission Standards for HAPS	No	N/A	*The facility is not subject to any standard under 40 CFR Part 61. See 20.2.78.9 NMAC.*
20.2.79 NMAC	Permits – Nonattainment Areas	No	N/A	*The facility is not located in a nonattainment area. The Sunland Park nonattainment area includes the "area bounded on the New Mexico-Texas state line on the east, the New Mexico-Mexico international line on the south, latitude N31°49'30" on the north, and longitude W106°36'36" on the west." See 83 Fed. Reg. 25776, 25820 (Jun. 4, 2018). The East Microgrid is not located within these boundaries. Additionally, the site will not cause or contribute to any existing NAAQS violation. See 20.2.79.109.A. See sec. 2.6.5.2, Air Quality Modeling Guidelines.*
20.2.80 NMAC	Stack Heights	Yes	All stacks	*No stack will exceed good engineering practice stack height. See 20.2.80.109.*
20.2.82 NMAC	MACT Standards for source categories of HAPS	No	N/A	*This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63. The East Microgrid site is an area source under 40 CFR Part 63. The potentially applicable MACT YYYY does not apply to area sources.*

Table for Applicable Federal Regulations:

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 50	NAAQS	No	N/A	*The modeling and conditions developed from the modeling are the applicable requirements to demonstrate compliance with the NAAQS.*
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	TUR-F-1 through TUR-F-7, TUR-H-1, TUR-H-2	*The general provisions will apply with respect to each affected facility as indicated in the relevant subpart.*
NSPS 40 CFR 60.330 Subpart GG	Stationary Gas Turbines	No	N/A	*The turbines will be exempt by virtue of being regulated under Subpart KKKK. See 40 CFR § 60.4305(b).*
NSPS 40 CFR Subpart IIII	Stationary Compression Ignition Internal Combustion Engines	No	N/A	*There are no Stationary Compression Ignition Internal Combustion Engines being permitted as a part of this application.*

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
NSPS 40 CFR 60.330 Subpart KKKK	Stationary Gas Turbines	Yes	TUR-F-1 through TUR-F-7, TUR-H-1, TUR-H-2	*The turbines will be operated as stationary combustion turbines with a heat input at peak load in excess of 10 MMBtu/hr. They will be located in a continental area and will be non-emergency units. See 40 CFR § 60.4305(a). The units will meet the NO_X and SO_2 limits under 40 CFR § 60.4320. This includes a 25 ppm NO_x limit for electric generating units fired with natural gas (Table 1) and a SO_2 limit of 0.06 lb/MMBtu. See 40 CFR 60.4430(a)(2). The turbines will comply with the general duty, performance demonstration, parametric monitoring, fuel sampling, reporting, and recordkeeping requirements of the rule. Turbines will be equipped with dry low emission combustors to meet the NO_x standard. Acoma will comply with the CEMS requirements under 40 CFR § 60.4340(b) to demonstrate compliance with the NO_x emission standards of the NSPS.*
NSPS 40 CFR 60 Subpart TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	*Per 40 CFR § 60.5509(a)(2), NSPS TTTT only applies if the turbine serves a generator or generators capable of selling greater than 25 megawatts (MW) of electricity to a utility power distribution system. East Microgrid will not sell power to the commercial grid at this time. Additionally, the units will be constructed after May 23, 2023. See 40 CFR § 60.5508.*
NSPS 40 CFR 60 Subpart TTTTa	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	No	N/A	*Per 40 CFR § 60.5509a(a)(2), NSPS TTTT only applies if the turbine serves a generator or generators capable of selling greater than 25 megawatts (MW) of electricity to a utility power distribution system. East Microgrid will not sell power to the commercial grid at this time.*
NSPS 40 CFR 60 Subpart UUUU	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	*Repealed*
NSPS 40 CFR 60 Subpart UUUUb	Emissions Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Utility Generating Units	No	N/A	*The rule provides guidelines for State plans under § 111(d) and does not directly apply to designated facilities. See 40 CFR § 60.5840b(a).*
NESHAP 40 CFR 61 Subpart A	General Provisions	No	N/A	*40 CFR Part 61 does not apply. The facility does not belong to any listed category or emit any listed pollutants that would trigger applicability.*
MACT 40 CFR 63, Subpart A	General Provisions	No	N/A	*The facility will not be subject to any Part 63 standard requiring compliance with Subpart A.*
MACT 40 CFR 63 Subpart YYYY	National Emissions Standards for Hazardous Air Pollutants for Stationary Combustion Turbines	No	N/A	*Subpart YYYY only applies to turbines at HAP major sites. See 40 CFR § 63.6080.*

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 64	Compliance Assurance Monitoring	Yes	TUR-F-1 through TUR-F-7, TUR-H-1, TUR-H-2	*CAM will apply to CO and NO_x emissions for the listed turbines since pre-control emissions are greater than 100 tpy each. Acoma will install a NO_x CEMS to demonstrate compliance with NSPS KKKK NO_X standards. Emission caps under the permit constitute applicable requirements. Acoma will submit a CAM Plan with its initial Title V application.*
Title IV – Acid Rain 40 CFR 72	Acid Rain	No	N/A	*The combustion turbines are not "utility units" because they will not serve a generator. See 40 CFR § 72.6(a)(3)(i). They will begin commercial operation after November 15, 1990, but will not serve a generator (i.e., a device that produces electricity and would have been required to be reported as a generating unit pursuant to DOE Form 860, 1990 edition). See 40 CFR § 72.2.*
Title IV – Acid Rain 40 CFR 73	Sulfur Dioxide Allowance Emissions	No	N/A	*The facility does not contain affected units under 40 CFR 72.6 (see above). and is not choosing to purchase, hold, or transfer allowances. See 40 CFR §§ 73.2(a), (e).*
Title IV-Acid Rain 40 CFR 75	Continuous Emissions Monitoring	No	N/A	*Each turbine will continuously monitor NO_X emissions, but this part does not apply because no unit is an affected unit subject to acid rain emission limitations. See 40 CFR § 75.2(a).*
Title IV – Acid Rain 40 CFR 76	**Acid Rain** Nitrogen Oxides **Emission Reduction Program**	No	N/A	*The facility contains no coal-fired utility units. See 40 CFR § 76.1.*
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	No	N/A	*While ozone depleting substances (ODS) will not be manufactured or imported or used as an integral part of the emission units, to the extent the facility incidentally handles or uses any regulated ODS as part of plant operations, it will comply with all applicable Title VI requirements.*

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

☐ **Title V Sources** (20.2.70 NMAC)**:** By checking this box and certifying this application the permittee certifies that it has developed an **Operational Plan to Mitigate Emissions During Startups, Shutdowns, and Emergencies** defining the measures to be taken to mitigate source emissions during startups, shutdowns, and emergencies as required by 20.2.70.300.D.5(f) and (g) NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.

☑ **NSR** (20.2.72 NMAC)**, PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources:** By checking this box and certifying this application the permittee certifies that it has developed an **Operational Plan to Mitigate Source Emissions During Malfunction, Startup, or Shutdown** defining the measures to be taken to mitigate source emissions during malfunction, startup, or shutdown as required by 20.2.72.203.A.5 NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.

☑ **Title V** (20.2.70 NMAC)**, NSR** (20.2.72 NMAC)**, PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources:** By checking this box and certifying this application the permittee certifies that it has established and implemented a Plan to Minimize Emissions During Routine or Predictable Startup, Shutdown, and Scheduled Maintenance through work practice standards and good air pollution control practices as required by 20.2.7.14.A and B NMAC. This plan shall be kept on site or at the nearest field office to be made available to the Department upon request. This plan should not be submitted with this application.

Section 15

Alternative Operating Scenarios

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

Alternative Operating Scenarios: Provide all information required by the department to define alternative operating scenarios. This includes process, material and product changes; facility emissions information; air pollution control equipment requirements; any applicable requirements; monitoring, recordkeeping, and reporting requirements; and compliance certification requirements. Please ensure applicable Tables in this application are clearly marked to show alternative operating scenario.

Construction Scenarios: When a permit is modified authorizing new construction to an existing facility, NMED includes a condition to clearly address which permit condition(s) (from the previous permit and the new permit) govern during the interval between the date of issuance of the modification permit and the completion of construction of the modification(s). There are many possible variables that need to be addressed such as: Is simultaneous operation of the old and new units permitted and, if so for example, for how long and under what restraints? In general, these types of requirements will be addressed in Section A100 of the permit, but additional requirements may be added elsewhere. Look in A100 of our NSR and/or TV permit template for sample language dealing with these requirements. Find these permit templates at: www.env.nm.gov/air-quality/permitting-section-procedures-and-guidance/. Compliance with standards must be maintained during construction, which should not usually be a problem unless simultaneous operation of old and new equipment is requested.

In this section, under the bolded title "Construction Scenarios", specify any information necessary to write these conditions, such as: conservative-realistic estimated time for completion of construction of the various units, whether simultaneous operation of old and new units is being requested (and, if so, modeled), whether the old units will be removed or decommissioned, any PSD ramifications, any temporary limits requested during phased construction, whether any increase in emissions is being requested as SSM emissions or will instead be handled as a separate Construction Scenario (with corresponding emission limits and conditions, etc.

Construction Scenarios

Acoma proposes to pursue one of two possible construction configurations. Under configuration 1, Acoma will construct up to seven (7) combustion turbines of the [redacted] model. Under configuration 2, Acoma will install two (2) [redacted] models and four (4) [redacted] models. After construction is complete, Acoma will submit an administrative permit revision to delete references to the turbines that are not constructed. Construction scenarios are necessary to preserve flexibility in procurement of these units.

Alternative Operating Scenarios

Acoma proposes an annual operating cap to cover all of the combustion turbines. The annual operating cap allows Acoma to maintain a high degree of redundancy in operating the microgrid while ensuring that its potential to emit reflects only those sitewide emissions that can legally occur under the permit. An annual cap gives Acoma flexibility to coordinate the operation of the turbines consistent with the reliability demands of the data center. The cap is calculated as follows:

- Calculate a per unit cap-contribution based on 100% utilization. This value will be the same as the individual unit annual emission rate except where a lower target concentration (for example, based on CO or NO_X control device set point) is used.
- Apply a factor to account for non-emitting in-line spares.
    - Under configuration 1, of the seven (7) installed units two (2) are inline spares.[3] Therefore, the adjustment factor is equal to 5/7, or 71.4%.

[3] At certain total load levels in-line spares may be placed in spinning reserve mode, such that a load equivalent to (5) turbines is spread across six (6) units. Not more than five (5) units will operate simultaneously at maximum emission rates.

  - Under configuration 2, two (2) of the four (4) [redacted] units may be designated in-line spares while both of the two (2) [redacted] units would be dedicated to continuous service. Therefore, the adjustment factor is 2/4 or 50% for the [redacted] units and 100% for the [redacted] units.[4]
- Apply a factor to account for the fleet average dispatch rate of the on-line turbines. An average dispatch rate of 90% is used under configuration 1, and an average dispatch rate of 99% is used under configuration 2.
- Take the product of the previous three numbers and multiply this by the total number of turbines. I.e., seven (7) for configuration 1. For configuration 2 the products are figured separately for the [redacted] tranches.
- Startup and shutdown emissions are included in the annual emissions caps.

While the annual emissions cap is established based on the preceding estimates (control device set point, in-line spare factor, and dispatch factor), compliance with the cap during operations will be determined based on continuous monitoring (of emissions, in the case of NO_X and CO, and using parametric monitoring for any other pollutants).

[4] The same considerations apply to the occasional use of units as spinning reserves under Configuration 2. Not more than (2) [redacted] units and (2) [redacted] units will operate at their maximum emission rates simultaneously, though one (1) [redacted] unit may be treated as a spinning reserve under certain load conditions.

Section 16

Air Dispersion Modeling

1) Minor Source Construction (20.2.72 NMAC) and Prevention of Significant Deterioration (PSD) (20.2.74 NMAC) ambient impact analysis (modeling): Provide an ambient impact analysis as required at 20.2.72.203.A(4) and/or 20.2.74.303 NMAC and as outlined in the Air Quality Bureau's Dispersion Modeling Guidelines found on the Planning Section's modeling website. If air dispersion modeling has been waived for one or more pollutants, attach the AQB Modeling Section modeling waiver approval documentation.
2) SSM Modeling: Applicants must conduct dispersion modeling for the total short term emissions during routine or predictable startup, shutdown, or maintenance (SSM) using realistic worst case scenarios following guidance from the Air Quality Bureau's dispersion modeling section. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on SSM emissions modeling requirements.
3) Title V (20.2.70 NMAC) ambient impact analysis: Title V applications must specify the construction permit and/or Title V Permit number(s) for which air quality dispersion modeling was last approved. Facilities that have only a Title V permit, such as landfills and air curtain incinerators, are subject to the same modeling required for preconstruction permits required by 20.2.72 and 20.2.74 NMAC.

What is the purpose of this application?	Enter an X for each purpose that applies
New PSD major source or PSD major modification (20.2.74 NMAC). See #1 above.	
New Minor Source or significant permit revision under 20.2.72 NMAC (20.2.72.219.D NMAC). See #1 above. **Note:** Neither modeling nor a modeling waiver is required for VOC emissions.	X
Reporting existing pollutants that were not previously reported.	
Reporting existing pollutants where the ambient impact is being addressed for the first time.	
Title V application (new, renewal, significant, or minor modification. 20.2.70 NMAC). See #3 above.	
Relocation (20.2.72.202.B.4 or 72.202.D.3.c NMAC)	
Minor Source Technical Permit Revision 20.2.72.219.B.1.d.vi NMAC for like-kind unit replacements.	
Other: i.e. SSM modeling. See #2 above.	
This application does not require modeling since this is a No Permit Required (NPR) application.	
This application does not require modeling since this is a Notice of Intent (NOI) application (20.2.73 NMAC).	
This application does not require modeling according to 20.2.70.7.E(11), 20.2.72.203.A(4), 20.2.74.303, 20.2.79.109.D NMAC and in accordance with the Air Quality Bureau's Modeling Guidelines.	

Check each box that applies:

☐ See attached, approved modeling **waiver for all** pollutants from the facility.
☐ See attached, approved modeling **waiver for some** pollutants from the facility.
☑ Attached in Universal Application Form 4 (UA4) is a **modeling report for all** pollutants from the facility.
☐ Attached in UA4 is a **modeling report for some** pollutants from the facility.
☐ No modeling is required.

Universal Application 4

Air Dispersion Modeling Report

Refer to and complete Section 16 of the Universal Application form (UA3) to assist your determination as to whether modeling is required. If, after filling out Section 16, you are still unsure if modeling is required, e-mail the completed Section 16 to the AQB Modeling Manager for assistance in making this determination. If modeling is required, a modeling protocol would be submitted and approved prior to an application submittal. The protocol should be emailed to the modeling manager. A protocol is recommended but optional for minor sources and is required for new PSD sources or PSD major modifications. Fill out and submit this portion of the Universal Application form (UA4), the "Air Dispersion Modeling Report", only if air dispersion modeling is required for this application submittal. This serves as your modeling report submittal and should contain all the information needed to describe the modeling. No other modeling report or modeling protocol should be submitted with this permit application.

16-A: Identification

1	Name of facility:	East Microgrid
2	Name of company:	Acoma, LLC
3	Current Permit number:	TBD
4	Name of applicant's modeler:	John Ke, Trinity Consultants
5	Phone number of modeler:	505-266-6611
6	E-mail of modeler:	jke@trinityconsultants.com

16-B: Brief

1	Was a modeling protocol submitted and approved? A modeling protocol was submitted on 10/14/2025.	Yes☐	No☐
2	Why is the modeling being done?	New Facility	
3	Describe the permit changes relevant to the modeling.		
	This application is being submitted for a new facility, under a 20.2.72 NMAC application.		
4	What geodetic datum was used in the modeling?	WGS84	
5	How long will the facility be at this location?	More than 1 year	
6	Is the facility a major source with respect to Prevention of Significant Deterioration (PSD)?	Yes☐	No☒

7	Identify the Air Quality Control Region (AQCR) in which the facility is located	153	
8	List the PSD baseline dates for this region (minor or major, as appropriate).		
	NO2	8/2/1995	
	SO2	N/A	
	PM10	6/16/2000	
	PM2.5	N/A	
9	Provide the name and distance to Class I areas within 50 km of the facility (300 km for PSD permits).		
	N/A – There are no Class I areas within 50 km of the facility.		
10	Is the facility located in a non-attainment area? If so describe below	Yes☐	No☒
	N/A		
11	Describe any special modeling requirements, such as streamline permit requirements.		
	N/A		

16-C: Modeling History of Facility

Describe the modeling history of the facility, including the air permit numbers, the pollutants modeled, the National Ambient Air Quality Standards (NAAQS), New Mexico AAQS (NMAAQS), and PSD increments modeled. (Do not include modeling waivers).

Pollutant	Latest permit and modification number that modeled the pollutant facility-wide.	Date of Permit	Comments
CO	N/A	N/A	This application is an initial permit application.
NO_2	N/A	N/A	This application is an initial permit application.
SO_2	N/A	N/A	This application is an initial permit application.
H_2S	N/A	N/A	This application is an initial permit application.
PM2.5	N/A	N/A	This application is an initial permit application.
PM10	N/A	N/A	This application is an initial permit application.
Lead	N/A	N/A	This application is an initial permit application.
Ozone (PSD only)	N/A	N/A	This application is an initial permit application.
NM Toxic Air Pollutants (20.2.72.402 NMAC)	N/A	N/A	This application is an initial permit application.

16-D: Modeling performed for this application

For each pollutant, indicate the modeling performed and submitted with this application.
Choose the most complicated modeling applicable for that pollutant, i.e., culpability analysis assumes ROI and cumulative analysis were also performed.

Pollutant	ROI	Cumulative analysis	Culpability analysis	Waiver approved	Pollutant not emitted or not changed.
CO	☒	☐	☐	☐	☐

	NO_2	☐	☒	☐	☐	☐
	SO_2	☒	☐	☐	☐	☐
	H_2S	☐	☐	☐	☐	☒
	PM2.5	☒	☐	☐	☐	☐
	PM10	☒	☐	☐	☐	☐
	Lead	☐	☐	☐	☐	☒
	Ozone	☐	☐	☐	☐	☒
	State air toxic(s) (20.2.72.402 NMAC)	☒	☐	☐	☐	☐

16-E: New Mexico toxic air pollutants modeling

1 List any New Mexico toxic air pollutants (NMTAPs) from Tables A and B in 20.2.72.502 NMAC that are modeled for this application.
Ammonia

2 List any NMTAPs that are emitted but not modeled because stack height correction factor. Add additional rows to the table below, if required. N/A – Ammonia is modeled as part of this evaluation.

Pollutant	Emission Rate (pounds/hour)	Emission Rate Screening Level (pounds/hour)	Stack Height (meters)	Correction Factor	Emission Rate/ Correction Factor

16-F: Modeling options

1	Was the latest version of AERMOD used with regulatory default options? If not explain below.	Yes☒	No☐

16-G: Surrounding source modeling

1	Date of surrounding source retrieval	9/17/25

2 If the surrounding source inventory provided by the Air Quality Bureau was believed to be inaccurate, describe how the sources modeled differ from the inventory provided. If changes to the surrounding source inventory were made, use the table below to describe them. Add rows as needed.

AQB Source ID	Description of Corrections
TBD	Acoma is including the impacts of the West Microgrid facility that is submitting a permit application simultaneously with the East Microgrid facility in the cumulative impacts analysis. There are multiple operating scenarios, including SSM operating scenarios, for the West Microgrid. As discussed between Trinity Consultants and Sufi Mustafa, NMED, short-term/intermittent SSM emissions do not need to be included from other surrounding sources for short-term models. Therefore, Acoma will include the worst-case normal operating scenario from the West Microgrid facility for any short-term models that require a cumulative impact analysis.

16-H: Building and structure downwash

1	How many buildings are present at the facility?	7		
2	How many above ground storage tanks are present at the facility?	2		
3	Was building downwash modeled for all buildings and tanks? If not explain why below.		Yes☐	No☒
	Storage tanks are not included in the building downwash model. Although the locations of these tanks are still undetermined, regardless of where they are located on the property, they are not expected to impact the downwash from the turbine stacks due to the height of the stacks relative to the projected lesser dimension (height or width) of these tanks. Each turbine stack will be 140 ft tall, while each tank will be 15 ft tall. The GEP stack height (H+1.5L) based on the tanks would be 37.5 feet, and as the turbine stack heights are greater than the GEP stack height, the storage tanks are not expected to have any building downwash impacts.			
4	Building comments	Downwash structures represent the modules that house the turbines.		

16-I: Receptors and modeled property boundary

1	"Restricted Area" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with a steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area. A Restricted Area is required in order to exclude receptors from the facility property. If the facility does not have a Restricted Area, then receptors shall be placed within the property boundaries of the facility. Describe the fence or other physical barrier at the facility that defines the restricted area.			
	The facility is enclosed by continuous fencing.			
2	Receptors must be placed along publicly accessible roads in the restricted area. Are there public roads passing through the restricted area?		Yes☐	No☒
3	Are restricted area boundary coordinates included in the modeling files?		Yes☒	No☐

4 Describe the receptor grids and their spacing. The table below may be used, adding rows as needed.

Grid Type	Shape	Spacing	Start distance from restricted area or center of facility	End distance from restricted area or center of facility	Comments
Variable Density	Square	100 m	0 m	500 m from ambient air boundary	Receptors located outside of the United States are not included in this analysis.
Variable Density	Square	500 m	500 m from ambient air boundary	5,000 m from ambient air boundary	Receptors located outside of the United States are not included in this analysis.
Variable Density	Square	1,000 m	5,000 m from ambient air boundary	20,000 m from ambient air boundary	Receptors located outside of the United States are not included in this analysis.
Variable Density	Square	1,250 m	20,000 m from ambient air boundary	50,000 m from center of facility	Receptors located outside of the United States are not included in this analysis.

5	Describe receptor spacing along the fence line.
	25-m resolution along the ambient air boundary.
6	Describe the PSD Class I area receptors.
	N/A – There are no Class I areas within 50 km of the facility.

16-J: Modeling Scenarios

1	Identify, define, and describe all modeling scenarios. Examples of modeling scenarios include using different production rates, times of day, times of year, simultaneous or alternate operation of old and new equipment during transition periods, etc. Alternative operating scenarios should correspond to all parts of the Universal Application and should be fully described in Section 15 of the Universal Application (UA3).
	Units are modeled with SSM emissions for NO_2 and CO. The East Microgrid site has two configurations, as detailed in the application. Configuration #1 will consist of seven [redacted] turbines, of which two are true spares, such that only five [redacted] turbines would be running at one time. Configuration #2 will consist of four [redacted] turbines, of which two are true spares, and two [redacted] turbines, such that only two [redacted] turbines and two [redacted] turbines would be running at one time. For Configuration #2, instead of modeling all combinations of [redacted] turbines and [redacted] turbines in terms of location at the facility, Acoma is conservatively assuming all four operating turbines are [redacted] turbines. Thus, by modeling either all [redacted] turbines or [redacted] turbines, the maximum modeled impact between Configuration #1 and Configuration #2 should be greater than the impact of modeling two [redacted] turbines and two [redacted] turbines. For 1-hr NO_2, 1-hr CO, 8-hr CO, 24-hr PM_{10}, and 24-hr $PM_{2.5}$, there are four modeled scenarios: 1) five [redacted] turbines in normal operation, 2) four [redacted] turbines in normal operation, 3) five [redacted] turbines in SSM operation, and 4) four [redacted] turbines in SSM operation. For all other pollutants, there are two modeled scenarios: 1) five [redacted] turbines in normal operation and 2) four [redacted] turbines in normal operation. For NO_2 SIL modeling files, as Tier 2 ARM2 is used to model the conversion of NO_X to NO_2, each of the four SIL scenarios is modeled in its own separate modeling file, as shown in 16-U. For all other SIL modeling files, the different operating scenarios are represented as different source groups. For any cumulative modeling file, only one operating scenario is represented in each model. Per NMED guidance, "whichever scenario produces the greatest impacts for that pollutant on ambient air shall be used for the cumulative analysis." For any pollutant that requires a cumulative impact analysis, the SIL scenario with the highest modeled concentration was modeled in the cumulative analysis.
2	Which scenario produces the highest concentrations? Why?
	- 1-hr and 8-hr CO: Scenario 3, highest combined emission rate among all scenarios - NH3: Scenario 2, highest combined emission rate among all scenarios - 1-hr and 24-hr NO_2: Scenario 3, highest combined emission rate among all scenarios - Annual NO_2: Scenario 2, highest combined emission rate among all scenarios - 24-hr $PM_{2.5}$: Scenario 3, highest combined emission rate among all scenarios - Annual $PM_{2.5}$: Scenario 1, less dispersion among all scenarios - 24-hr PM_{10}: Scenario 3, highest combined emission rate among all scenarios - Annual PM_{10}: Scenario 1, less dispersion among all scenarios - 1-hr SO_2: Scenario 1, less dispersion among all scenarios - 3-hr SO_2: Scenario 1, less dispersion among all scenarios

	- 24-hr SO_2: Scenario 2, highest combined emission rate among all scenarios - Annual SO_2: Scenario 1, less dispersion among all scenarios		
3	Were emission factor sets used to limit emission rates or hours of operation? (This question pertains to the "SEASON", "MONTH", "HROFDY" and related factor sets, not to the factors used for calculating the maximum emission rate.)	Yes☐	No☒
4	If so, describe factors for each group of sources. List the sources in each group before the factor table for that group. (Modify or duplicate table as necessary. It's ok to put the table below section 16-K if it makes formatting easier.) Sources:		

5	Hour of Day	Factor	Hour of Day	Factor								
	1		13									
	2		14									
	3		15									
	4		16									
	5		17									
	6		18									
	7		19									
	8		20									
	9		21									
	10		22									
	11		23									
	12		24									

	If hourly, variable emission rates were used that were not described above, describe them below.		
	N/A		
6	Were different emission rates used for short-term and annual modeling? If so describe below.	Yes☒	No☐
	Annual average heat input was used to calculate emission rates for annual standards. Worst-case hourly heat input was used to calculate emission rates for all short-term standards. SSM emission rates were modeled using point sources and scenarios separate from steady-state impacts to demonstrate compliance with standards.		

16-K: NO_2 Modeling

1	Which types of NO_2 modeling were used? Check all that apply.	
	☒	ARM2
	☐	100% NO_X to NO_2 conversion
	☐	PVMRM
	☐	OLM
	☐	Other:
2	Describe the NO_2 modeling.	
	The ARM2 methodology was used with the default maximum and minimum ambient ratios.	

3	Were default NO_2/NO_X ratios (0.5 minimum, 0.9 maximum or equilibrium) used? If not describe and justify the ratios used below.	Yes☒	No☐

4	Describe the design value used for each averaging period modeled.
	1-hour: High eighth high Annual One Year Annual Average:

16-L: Ozone Analysis

1	NMED has performed a generic analysis that demonstrates sources that are minor with respect to PSD do not cause or contribute to any violations of ozone NAAQS. The analysis follows. The basis of the ozone SIL is documented in *Guidance on Significant Impact Levels for Ozone and Fine Particles in the Prevention of Significant Deterioration Permitting Program*, EPA, April 17, 2018 and associated documents. NMED accepts this SIL basis and incorporates it into this permit record by reference. Complete documentation of the ozone concentration analysis using MERPS is included in the New Mexico Air Quality Bureau Air Dispersion Modeling Guidelines.
2	The MERP values presented in Table 10 and Table 11 of the NM AQB Modeling Guidelines that produce the highest concentrations indicate that facilities emitting no more than 250 tons/year of NO_X and no more than 250 tons/year of VOCs will cause less formation of O_3 than the O_3 significance level. $$[O_3]_{8-hour} = \left(\frac{250 \frac{ton}{yr}}{340_{MERP_{NOX}}} + \frac{250 \frac{ton}{yr}}{4679_{MERP_{VOC}}} \right) \times 1.96\ \mu g/m^3$$ =1.546 µg/m^3, which is below the significance level of 1.96 µg/m^3. Sources that produce ozone concentrations below the ozone SIL do not cause or contribute to air contaminant levels exceeding the ozone NAAQS.

3	Does the facility emit at least 250 tons per year of NO_X or at least 250 tons per year of VOCs? Sources that emit at least 250 tons per year of NO_X or at least 250 tons per year of VOCs are covered by the analysis above and require an individual analysis.	Yes☐	No☒

5 For new PSD Major Sources or PSD major modifications, if MERPs were used to account for ozone fill out the information below. If another method was used describe below.

NO_X (ton/yr)	$MERP_{NOX}$	VOCs (ton/yr)	$MERP_{VOC}$	$[O_3]_{8\text{-hour}}$
N/A	N/A	N/A	N/A	N/A

16-M: Particulate Matter Modeling

1	Select the pollutants for which plume depletion modeling was used.	
	☐	PM2.5
	☐	PM10
	☒	None
2	Describe the particle size distributions used. Include the source of information.	
	N/A	

3	Does the facility emit at least 40 tons per year of NO_X or at least 40 tons per year of SO_2? Sources that emit at least 40 tons per year of NO_X or at least 40 tons per year of SO_2 are considered to emit	Yes☒	No☐

	significant amounts of precursors and must account for secondary formation of PM2.5.				
4	Was secondary PM modeled for PM2.5?			Yes☐	No☒
5	If MERPs were used to account for secondary PM2.5 fill out the information below. If another method was used describe below.				
	Pollutant	NO_X	SO_2		$[PM2.5]_{24\text{-hour}}$
	$MERP_{annual}$	130260	53898		0.008
	$MERP_{24\text{-hour}}$	42498	42498		$[PM2.5]_{annual}$
	Emission rate (ton/yr)	248.90	31.83		0.0005
	Secondary $PM_{2.5}$ was added to final modeled results.				

16-N: Setback Distances

1	Portable sources or sources that need flexibility in their site configuration requires that setback distances be determined between the emission sources and the restricted area boundary (e.g. fence line) for both the initial location and future locations. Describe the setback distances for the initial location.
	N/A
2	Describe the requested, modeled, setback distances for future locations, if this permit is for a portable stationary source. Include a haul road in the relocation modeling.
	N/A

16-O: PSD Increment and Source IDs

1	The unit numbers in the Tables 2-A, 2-B, 2-C, 2-E, 2-F, and 2-I should match the ones in the modeling files. Do these match? If not, provide a cross-reference table between unit numbers if they do not match below.		Yes☐	No☒
	Unit Number in UA-2	Unit Number in Modeling Files		
	TUR-F-1	TUR_F_1		
	TUR-F-2	TUR_F_2		
	TUR-F-3	TUR_F_3		
	TUR-F-4	TUR_F_4		
	TUR-F-5	TUR_F_5		
	TUR-F-6	TUR_F_6		
	TUR-F-7	TUR_F_7		
	TUR-H-1	TUR_H_1		
	TUR-H-2	TUR_H_2		
	N/A – represented in model as a conservative alternative	TUR_H_3		
	N/A – represented in model as a conservative alternative	TUR_H_4		
	N/A – represented in model as a conservative alternative	TUR_H_5		
	N/A – represented in model as a conservative alternative	TUR_H_6		

	SSM-1	TUR_F_1S, TUR_F_2S, TUR_F_3S, TUR_F_4S, TUR_F_5S, TUR_F_6S, TUR_F_7S		
	SSM-2	TUR_H_1S, TUR_H_2S, TUR_H_3S, TUR_H_4S, TUR_H_5S, TUR_H_6S		
2	The emission rates in the Tables 2-E and 2-F should match the ones in the modeling files. Do these match? If not, explain why below.		Yes☐	No☒
	SSM-1 and SSM-2 emissions represent total SSM emissions across all turbines per event. The modeling files model SSM hourly emissions across 5 turbines in Scenario 3 and 4 turbines in Scenario 4. In addition, the modeled emission rate for the SSM scenarios includes 30 minutes of normal operation in addition to emissions from startup and shutdown.			
3	Have the minor NSR exempt sources or Title V Insignificant Activities" (Table 2-B) sources been modeled?		Yes☐	No☒

4 Which units consume increment for which pollutants?

Unit ID	NO_2	SO_2	PM10	PM2.5
TUR_F_1	X		X	
TUR_F_2	X		X	
TUR_F_3	X		X	
TUR_F_4	X		X	
TUR_F_5	X		X	
TUR_F_6	X		X	
TUR_F_7	X		X	
TUR_H_1	X		X	
TUR_H_2	X		X	
TUR_H_3	X		X	
TUR_H_4	X		X	
TUR_H_5	X		X	
TUR_H_6	X		X	

5	PSD increment description for sources. (for unusual cases, i.e., baseline unit expanded emissions after baseline date).	Acoma is planning to install a combination of [redacted] and [redacted] turbines. Not all sources listed will be installed.		
6	Are all the actual installation dates included in Table 2A of the application form, as required? This is necessary to verify the accuracy of PSD increment modeling. If not please explain how increment consumption status is determined for the missing installation dates below.		Yes☐	No☒
	All units at this facility have not yet been constructed; therefore, no installation dates have occurred. All units are assumed to be increment consumers for pollutants that have a minor source baseline date established.			

16-P: Flare Modeling

1 For each flare or flaring scenario, complete the following

Flare ID (and scenario)	Average Molecular Weight	Gross Heat Release (cal/s)	Effective Flare Diameter (m)
N/A			

16-Q: Volume and Related Sources

1	Were the dimensions of volume sources different from standard dimensions in the Air Quality Bureau (AQB) Modeling Guidelines?	Yes☐	No☐

	If not please explain how increment consumption status is determined for the missing installation dates below.		
	N/A – no volume sources were modeled as part of this facility.		
2	Describe the determination of sigma-Y and sigma-Z for fugitive sources.		
	N/A – no fugitive sources were modeled as part of this facility.		
3	Describe how the volume sources are related to unit numbers. Or say they are the same.		
	N/A – no volume sources were modeled as part of this facility.		
4	Describe any open pits.		
	N/A – there are no open pits as part of this facility.		
5	Describe emission units included in each open pit.		
	N/A – there are no open pits as part of this facility.		

16-R: Background Concentrations

1	Were NMED provided background concentrations used? Identify the background station used below. If non-NMED provided background concentrations were used describe the data that was used.	Yes☒	No☐
	CO: Choose an item.		
	NO_2: US-Mexico Border Crossing (350130021)		
	PM2.5: Choose an item.		
	PM10: Choose an item.		
	SO_2: Choose an item.		
	Other:		
	Comments: Acoma is utilizing the NO_2 1-hour 98th %ile background concentration for the US-Mexico Border Crossing.		
2	Were background concentrations refined to monthly or hourly values? If so describe below.	Yes☐	No☒

16-S: Meteorological Data

1	Was NMED provided meteorological data used? If so select the station used. Sunland Park (Desert View)	Yes☒	No☐
2	If NMED provided meteorological data was not used describe the data set(s) used below. Discuss how missing data were handled, how stability class was determined, and how the data were processed.		
	N/A – NMED provided meteorological data was used.		

16-T: Terrain

1	Was complex terrain used in the modeling? If not, describe why below.	Yes☒	No☐
	N/A		
2	What was the source of the terrain data?		
	Terrain was incorporated into the modeling analysis through the use of AERMAP with the most recent 1/3 degree NED Data currently available from https://apps.nationalmap.gov/downloader		

16-U: Modeling Files

1

Describe the modeling files:

Significant Impact Models

- Input file name format "Acoma EMG_Poll AvgPer_SIL_Sc Input.inp"
- Output file name format "Acoma EMG_Poll AvgPer_SIL_Sc Output.out"
- "Poll" = NO2 (nitrogen oxides), CO (carbon monoxide), PM10 (particulate matter, PM_{10}), PM2.5 (particulate matter, $PM_{2.5}$), SO2 (sulfur dioxide), NH3 (ammonia)
- "AvgPer" = averaging period. 1hr = 1 hour, etc. Ann = annual
- "SIL" – SIL designator
- "Sc" – Turbine Scenario designator. S1 = [redacted] Turbines in normal operation, S2 = [redacted] Turbines in normal operation, S3 = [redacted] Turbines in SSM operation, S4 = [redacted] Turbines in SSM operation
- Files may contain multiple SIL for short-term, annual, and increment averaging periods and multiple scenarios.

NM/NAAQS and Increment Models

- Input file name format "Acoma EMG_Poll AvgPer_Standard_Sc Input.inp"
- Output file name format "Acoma EMG_Poll AvgPer_Standard_Sc Output.out"
- "Poll" = NO2 (nitrogen oxides), CO (carbon monoxide), PM10 (particulate matter, PM_{10}), PM2.5 (particulate matter, $PM_{2.5}$), SO2 (sulfur dioxide), NH3 (ammonia)
- "AvgPer" = averaging period. 1hr = 1 hour, etc. Ann = annual
- "Standard" = air quality standard. PSD = PSD Increment Class II, NAAQS = NAAQS
- "Sc" – Turbine Scenario designator. S1 = [redacted] Turbines in normal operation, S2 = [redacted] Turbines in normal operation, S3 = [redacted] Turbines in SSM operation, S4 = [redacted] Turbines in SSM operation

BPIP and AERMAP files have also been included with this submittal. Due to size constraints, the modeling file was split into three sections, Sector A, Sector B, and Sector C, in order to run AERMAP. Acoma is providing three sets of AERMAP files; all elevations for sources, buildings, and receptors in the modeled files are based on these sets of files.

File name (or folder and file name)	Pollutant(s)	Purpose (ROI/SIA, cumulative, culpability analysis, other)
Acoma EMG_CO 1-hr 8-hr_SIL Input.inp	CO	ROI/SIA
Acoma EMG_NH3 8-hr_SIL Input.inp	NH3	ROI/SIA
Acoma EMG_NO2 1-hr_SIL S1 Input.inp	NO_2	ROI/SIA
Acoma EMG_NO2 1-hr_SIL S2 Input.inp	NO_2	ROI/SIA
Acoma EMG_NO2 1-hr_SIL S3 Input.inp	NO_2	ROI/SIA
Acoma EMG_NO2 1-hr_SIL S4 Input.inp	NO_2	ROI/SIA
Acoma EMG_NO2 24-hr_SIL S1 Input.inp	NO_2	ROI/SIA
Acoma EMG_NO2 24-hr_SIL S2 Input.inp	NO_2	ROI/SIA
Acoma EMG_NO2 24-hr_SIL S3 Input.inp	NO_2	ROI/SIA

	Acoma EMG_NO2 24-hr_SIL S4 Input.inp	NO_2	ROI/SIA
	Acoma EMG_NO2 Ann_SIL Input.inp	NO_2	ROI/SIA
	Acoma EMG_PM2.5 24-hr_SIL S1 Input.inp	$PM_{2.5}$	ROI/SIA
	Acoma EMG_PM2.5 24-hr_SIL S2 Input.inp	$PM_{2.5}$	ROI/SIA
	Acoma EMG_PM2.5 24-hr_SIL S3 Input.inp	$PM_{2.5}$	ROI/SIA
	Acoma EMG_PM2.5 24-hr_SIL S4 Input.inp	$PM_{2.5}$	ROI/SIA
	Acoma EMG_PM2.5 Ann_SIL Input.inp	$PM_{2.5}$	ROI/SIA
	Acoma EMG_PM10 24-hr_SIL S1 Input.inp	PM_{10}	ROI/SIA
	Acoma EMG_PM10 24-hr_SIL S2 Input.inp	PM_{10}	ROI/SIA
	Acoma EMG_PM10 24-hr_SIL S3 Input.inp	PM_{10}	ROI/SIA
	Acoma EMG_PM10 24-hr_SIL S4 Input.inp	PM_{10}	ROI/SIA
	Acoma EMG_PM10 Ann_SIL Input.inp	PM_{10}	ROI/SIA
	Acoma EMG_SO2 1-hr_SIL Input.inp	SO_2	ROI/SIA
	Acoma EMG_SO2 3-hr 24-hr Ann_SIL Input.inp	SO_2	ROI/SIA
	Acoma EMG_NO2 1-hr_NAAQS S2 Input.inp	NO_2	Cumulative – 1hr NAAQS
	Acoma EMG_CO 1-hr 8-hr_SIL Output.out	CO	ROI/SIA
	Acoma EMG_NH3 8-hr_SIL Output.out	NH3	ROI/SIA
	Acoma EMG_NO2 1-hr_SIL S1 Output.out	NO_2	ROI/SIA
	Acoma EMG_NO2 1-hr_SIL S2 Output.out	NO_2	ROI/SIA
	Acoma EMG_NO2 1-hr_SIL S3 Output.out	NO_2	ROI/SIA
	Acoma EMG_NO2 1-hr_SIL S4 Output.out	NO_2	ROI/SIA
	Acoma EMG_NO2 24-hr_SIL S1 Output.out	NO_2	ROI/SIA
	Acoma EMG_NO2 24-hr_SIL S2 Output.out	NO_2	ROI/SIA
	Acoma EMG_NO2 24-hr_SIL S3 Output.out	NO_2	ROI/SIA
	Acoma EMG_NO2 24-hr_SIL S4 Output.out	NO_2	ROI/SIA
	Acoma EMG_NO2 Ann_SIL Output.out	NO_2	ROI/SIA
	Acoma EMG_PM2.5 24-hr_SIL S1 Output.out	$PM_{2.5}$	ROI/SIA
	Acoma EMG_PM2.5 24-hr_SIL S2 Output.out	$PM_{2.5}$	ROI/SIA

	Acoma EMG_PM2.5 24-hr_SIL S3 Output.out	$PM_{2.5}$	ROI/SIA
	Acoma EMG_PM2.5 24-hr_SIL S4 Output.out	$PM_{2.5}$	ROI/SIA
	Acoma EMG_PM2.5 Ann_SIL Output.out	$PM_{2.5}$	ROI/SIA
	Acoma EMG_PM10 24-hr_SIL S1 Output.out	PM_{10}	ROI/SIA
	Acoma EMG_PM10 24-hr_SIL S2 Output.out	PM_{10}	ROI/SIA
	Acoma EMG_PM10 24-hr_SIL S3 Output.out	PM_{10}	ROI/SIA
	Acoma EMG_PM10 24-hr_SIL S4 Output.out	PM_{10}	ROI/SIA
	Acoma EMG_PM10 Ann_SIL Output.out	PM_{10}	ROI/SIA
	Acoma EMG_SO2 1-hr_SIL Output.out	SO_2	ROI/SIA
	Acoma EMG_SO2 3-hr 24-hr Ann_SIL Output.out	SO_2	ROI/SIA
	Acoma EMG_NO2 1-hr_NAAQS S3 Output.out	NO_2	Cumulative – 1hr NAAQS

16-V: PSD New or Major Modification Applications – N/A

1	A new PSD major source or a major modification to an existing PSD major source requires additional analysis. Was preconstruction monitoring done (see 20.2.74.306 NMAC and PSD Preapplication Guidance on the AQB website)?	Yes☐	No☐
2	If not, did AQB approve an exemption from preconstruction monitoring?	Yes☐	No☐
3	Describe how preconstruction monitoring has been addressed or attach the approved preconstruction monitoring or monitoring exemption.		
4	Describe the additional impacts analysis required at 20.2.74.304 NMAC.		
5	If required, have ozone and secondary PM2.5 ambient impacts analyses been completed? If so describe below.	Yes☐	No☐

16-W: Modeling Results

1	If ambient standards are exceeded because of surrounding sources, a culpability analysis is required for the source to show that the contribution from this source is less than the significance levels for the specific pollutant. Was culpability analysis performed? If so describe below.	Yes☐	No☒
	N/A – no culpability analyses were performed for this application.		
2	Identify the maximum concentrations from the modeling analysis. Rows may be modified, added and removed from the table below as necessary. The results of the scenario resulting in the highest concentrations are reported below. Modeling files for all scenarios will be provided with the application submittal.		

Pollutant, Time Period and Standard	Modeled Facility Concentration (µg/m3)	Modeled Concentration with Surrounding Sources (µg/m3)	Secondary PM (µg/m3)	Background Concentration (µg/m3)	Cumulative Concentration (µg/m3)	Value of Standard (µg/m3)	Percent of Standard	Location		
								UTM E (m)	UTM N (m)	Elevation (ft)
CO 8-hr SIL	267.84	-	-	-	267.84	500	53.6%	358050	3526500	5482.68
CO 1-hr SIL	672.91	-	-	-	672.91	2000	33.6%	358050	3524500	5358.99
NH3 8-hr	5.51	-	-	-	5.51	180	3.1%	358050	3526500	5482.68
NO_2 Annual SIL	0.09	-	-	-	0.09	1	8.6%	357050	3538500	5382.25
NO_2 24-hr SIL	5.92	-	-	-	5.92	5	118.3%	358050	3526500	5482.68
NO_2 1-hr SIL	45.87	-	-	-	45.87	7.52	610.0%	358050	3524500	5358.99
PM_{25} Annual SIL	0.04	-	0.0005	-	0.04	0.13	32.0%	357050	3538500	5382.25
PM_{25} 24-hr SIL	0.72	-	0.008	-	0.73	1.2	60.9%	359050	3534500	5336.15
PM_{10} Annual SIL	0.05	-	-	-	0.05	1	5.4%	357050	3538500	5382.25
PM_{10} 24-hr SIL	0.85	-	-	-	0.85	5	17.0%	358050	3526500	5482.68
SO_2 Annual SIL	0.01	-	-	-	0.01	1	0.9%	357050	3538500	5382.25
SO_2 24-hr SIL	0.09	-	-	-	0.09	5	1.8%	359050	3536500	5455.15
SO_2 3-hr SIL	0.41	-	-	-	0.41	25	1.6%	359050	3528500	5221.39

Pollutant, Time Period and Standard	Modeled Facility Concentration (µg/m3)	Modeled Concentration with Surrounding Sources (µg/m3)	Secondary PM (µg/m3)	Background Concentration (µg/m3)	Cumulative Concentration (µg/m3)	Value of Standard (µg/m3)	Percent of Standard	Location		
								UTM E (m)	UTM N (m)	Elevation (ft)
SO_2 1-hr SIL	0.65	-	-	-	0.65	7.8	8.4%	358050	3524500	5358.99
NO_2 1-hr NAAQS	-	70.80	-	80.2	151.00	188.03	80.3%	342750	3524100	3940.26

16-X: Summary/conclusions	
1	A statement that modeling requirements have been satisfied and that the permit can be issued.
	Acoma has demonstrated that the East Microgrid will neither cause nor contribute to an exceedance of any applicable standards for CO, NH_3, NO_2, $PM_{2.5}$, PM_{10}, and SO_2.

AIR DISPERSION MODELING PROTOCOL

Initial NSR Modeling Protocol

Acoma, LLC
East Microgrid

Prepared By:

TRINITY CONSULTANTS
9737 Great Hills Trl
Ste 340
Austin, TX 78759
(512) 961-4471

October 2025

Trinity Consultants

1. INTRODUCTION

1.1 Purpose of Modeling

Acoma, LLC (Acoma) is proposing to develop a behind the meter (BTM) microgrid power generation facility (the East Microgrid) located 3.7 miles south-southwest of Santa Teresa, NM in Doña Ana County. The power generated by this facility will be provided to a data center that is owned and operated by a separate entity and is therefore a separate source for New Source Review (NSR) and Title V purposes.

Acoma is submitting an air quality permit application pursuant to 20.2.72.200.A.(1) NMAC for an initial NSR application. The East Microgrid will consist of no more than seven (7) turbines, which will be a combination of [redacted] and [redacted] natural gas fired (NGF) turbines, depending on availability for purchase. These turbines will provide reliable power to the data center customer. Acoma is requesting flexibility in which turbine models are installed. Two possible configurations are proposed for the facility:

- Configuration #1
  - Seven (7) [redacted] turbines (Units TUR-F-1 through TUR-F-7); and
  - Startup, shutdown, and maintenance emissions associated with each [redacted] turbine (Unit SSM-1)

- Configuration #2
  - Four (4) [redacted] turbines (Units TUR-F-1 through TUR-F-7);
  - Two (2) [redacted] turbines (Units TUR-H-1 through TUR-H-2);
  - Startup, shutdown, and maintenance emissions associated with each [redacted] turbine (Unit SSM-1); and
  - Startup, shutdown, and maintenance emissions associated with each [redacted] turbine (Unit SSM-2)

Of the seven (7) turbines installed under Configuration #1, only five (5) of the [redacted] turbines will be operating at the same time during normal operations. Similarly, of the six (6) turbines installed under Configuration #2, only two (2) of the four (4) [redacted] turbines will be operating at the same time during normal operations.[1] To ensure worst-case emissions are adequately represented for air dispersion modeling, two separate modeling scenarios will be conducted—one with five (5) [redacted] turbines and one with four (4) [redacted] turbines since precise placement of the combination of turbines is not known at this time. This approach accounts for differences in emission profiles between turbine types and ensures that the maximum potential impacts are captured across all regulated pollutants. This approach is conservative because a [redacted] turbine has a maximum emission rate higher than a [redacted] turbine for each pollutant.

Each configuration includes consideration of emissions from Startup, Shutdown, and Maintenance (SSM) events. Since SSM emissions cannot occur concurrently with nominal operations, Acoma proposes to model nominal and SSM events as separate models. The worst-case model results from either the nominal or SSM scenarios will be modeled for the cumulative impacts analysis.

Acoma seeks to demonstrate compliance with the National Ambient Air Quality Standards (NAAQS), the New Mexico Ambient Air Quality Standards (NMAAQS), and the PSD Increment standards as applicable for the following pollutants and averaging periods: NO_2 (1-hour, 24-hour, and annual), CO (1-hour and 8-hour),

[1] At certain total load levels, in-line spares may be placed in spinning reserve mode, such that a load equivalent to (5) turbines is spread across (6) units. Not more than (5) units will operate simultaneously at maximum emission rates under Configuration #1. Similarly, under Configuration #2 one of the two in-line spares may be operated in spinning reserve mode, and no more than (2) of the four [redacted] units will operate simultaneously at maximum emission rates.

SO_2 (1-hour, 3-hour, 24-hour, and annual), $PM_{2.5}$ (24-hour and annual), and PM_{10} (24-hour and annual). Acoma also seeks to demonstrate compliance with the toxic air pollutant standards for NH_3 as required by 20.2.72.400 NMAC.

1.2 Facility Description and Location

The proposed facility will be located approximately 3.6 miles south of Santa Teresa, NM at UTM coordinates 341,072 meters east and 3,521,528 meters north with WGS84 datum at an elevation of approximately 4,124 feet above mean sea level. The nearest Class 1 Area, Guadalupe Mountains National Park, is located 156.5 km away.

2.1 Model Input Options

The latest version of the AERMOD dispersion model (version 24142) will be used for this analysis. The model will be run in regulatory mode with all default options. For NO_2, the ARM2 method will be applied using the national default minimum ambient NO_2/NO_X ratio of 0.5 and a maximum ambient ratio of 0.9, as listed in 40 CFR Part 51 Appendix W 4.2.3.4d.

Tables 1a and 1b present the short-term and long-term emission rates for each configuration at this facility under both nominal and SSM scenarios. Short-term emission rates are used for modeling 1-hour, 3-hour, 8-hour, and 24-hour averaging periods, while long-term emission rates are applied to the annual averaging period. Table 1c provides the stack parameters for the turbines, which remain consistent across all configurations and scenarios. Please note that emissions and stack parameters may vary throughout the development of this application.

Table 1a – Point Source Emission Rates (Nominal)

Configur-ation	Short/Long Term	Unit Types	Total Quantity*	NO_X lb/hr	CO lb/hr	SO_2 lb/hr	PM_{10} lb/hr	$PM_{2.5}$ lb/hr	NH_3 lb/hr
#1	Short-Term	[redacted]	5	17.01	15.53	1.61	10.15	10.15	15.74
		Total Emissions		85.03	77.64	8.07	50.73	50.73	78.68
	Long-Term	[redacted]	5	12.63	-	1.62	9.60	9.60	-
		Total Emissions		63.14	-	8.07	47.99	47.99	-
#2	Short-Term	[redacted]	4	22.77	20.79	2.16	12.04	12.04	21.07
		Total Emissions		91.08	83.17	8.65	48.17	48.17	84.28
	Long-Term	[redacted]	4	16.00	-	2.16	11.28	11.28	-
		Total Emissions		64.00	-	8.65	45.13	45.13	-

"-" indicates no long-term emission rates are required as there is no annual averaging period for pollutant

* To ensure worst-case emissions are adequately represented for air dispersion modeling, two separate modeling scenarios will be conducted—one with five (5) [redacted] turbines and one with four (4) [redacted] turbines since precise placement of the combination of turbines is not known at this time.

Table 1b – Point Source Emission Rates (SSM)

Configur-ation	Unit Types	Total Quantity*	NO_X lb/hr	CO lb/hr	SO_2 lb/hr	PM_{10} lb/hr	$PM_{2.5}$ lb/hr	NH_3 lb/hr
#1	[redacted]	5	126.00	1,609.01	-	16.32	16.32	-
	Total Emissions		630.01	8,045.07	-	81.62	81.62	-
#2	[redacted]	4	128.89	1,611.65	-	17.27	17.27	-
	Total Emissions		515.54	6,446.59	-	69.08	69.08	-

Table 1c – Point Source Emission Rates

Unit Number	Height ft	Temp F	Velocity ft/s	Diam. ft
[redacted] Nominal & SSM	140	840	178.58	24

Unit Number	Height ft	Temp F	Velocity ft/s	Diam. ft
[redacted] Nominal & SSM	140	840	233.68	24

As of the submittal of this protocol, the locations and dimensions of buildings at the facility, if any, have not been finalized. If buildings will be located at the facility and they are within the Good Engineering Practices (GEP) 5L from any source, then a downwash analysis using the latest version of BPIP will be conducted and incorporated into the modeling analysis to account for potential effluent downwash. If any building is not located within the GEP 5L area of influence, then the building will not be included this air dispersion modeling analysis.

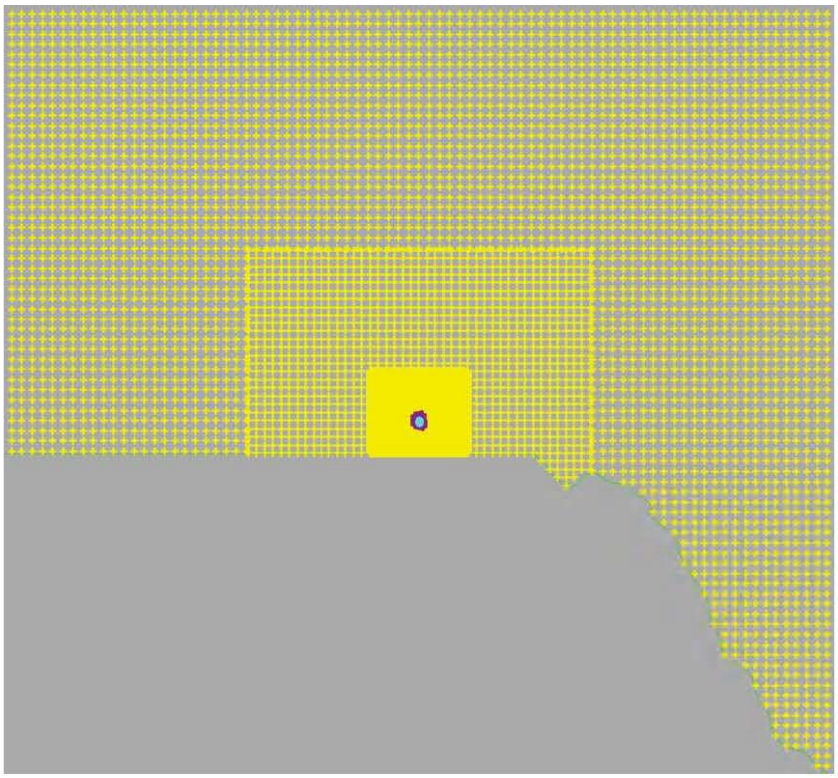
2.2 Receptor Grid Description and Elevation Data

The center point of the facility will be designated at 341,072 meters east and 3,521,528 meters north. This center point will serve as the center point for a variable-density square receptor grid. The facility will be modeled with the following receptor grid design:

- Fenceline: 25-m grid spacing;
- Very Fine Grid Resolution: 25-m grid spacing from 0 m to 1,000 m of the center point;
- Fine Grid Resolution: 100-m grid spacing from 1,000 m to 6,000 m of the center point;
- Coarse Grid Resolution: 1,000-m grid spacing from 6,000 m to 20,000 m of the center point; and
- Very Coarse Grid Resolution: 1,250-m grid spacing from 20,000 m to 50,000 m of the center point.

It is expected that the highest impacts from the proposed source will be at or near the facility property. The elevations of receptors and facility sources will be determined using the most recent NED data currently available (1/3 arc-second DEM) from the USGS website. Both the NAAQS and PSD Increment standards apply only to the U.S. Therefore, all areas that extend beyond the U.S.-Mexico border will not be covered in this air dispersion modeling analysis.

Figure 1 Proposed Receptor Grid Coverage



2.3 Meteorological Data

The Sunland Park (Desert View) NWS dataset will be used for five meteorological years (2018-2022) as available on the NMED website.

2.4 Significance Analysis (SIL) and Cumulative Impact Analysis (CIA)

The modeled ground-level concentrations will be compared to the corresponding significant impact levels (SILs) to determine whether any modeled ground-level concentrations at any receptor locations are greater than the SIL (i.e., "significant" receptors). If the significance analysis reveals that modeled ground-level concentrations for a particular pollutant and averaging period are greater than the applicable SIL, a Cumulative Impact Analysis (CIA) will be performed at the significant receptors. The CIA will include impacts from the facility sources and background concentrations/surrounding sources if applicable.

The inclusion of background concentrations will follow the guidance shown in Table 20: "Modeling the Design Value Summary (Default Modeling)" from the Modeling Guidelines.[2] An inventory of surrounding sources will be obtained from NMED using the MergeMaster database. Additionally, emissions from the proposed Acoma West Microgrid site are also included in the neighboring source inventory.

As applicable, the following monitors will be used for background concentrations:

[2] New Mexico Air Quality Bureau. (2024). ***Air dispersion modeling guidelines*** (Rev. June 2024), Table 20, pg. 39. New Mexico Environment Department. https://www.env.nm.gov/air-quality/modeling-publications.

- The El Paso Chamizal Monitor (481410044) for CO;
- The US-Mexico Border Crossing Monitor (6ZN, 350130022) for NO_2;
- The US-Mexico Border Crossing Monitor (6ZN, 350130022) for $PM_{2.5}$;
- The Sunland Park Monitor (6ZM, 350130021) for PM_{10}; and
- The Hurley Smelter Monitor (7T, 350171003) for SO_2.

For modeling the 1-hour and 8-hour CO NMAAQS, a Tier 1 modeling analysis will be conducted since the facility is located within 20 km of the center of El Paso, per Section 2.6.1.2 of the NMED Modeling Guidelines.[3] The analysis will include modeling the entire facility along with surrounding sources within 10 km of the facility, and the modeled concentrations will be combined with the appropriate background concentrations and compared against the standards.

For modeling the 1-hour and annual NO_2 NAAQS, the facility will model the entire facility along with surrounding sources within 10 km of the facility, and the modeled concentrations will be combined with the appropriate background concentrations and compared against the standards, as per Section 2.6.4.1.[4]

For modeling $PM_{2.5}$ and PM_{10}, the facility will be modeled with nearby sources, secondary formation (if applicable), and a background concentration. For modeling nearby sources, all sources within 10 km of the facility will be included in the model. Per Section 2.6.6.2 of the NMED Modeling Guidelines,[5] sources that emit at least 40 tons per year of NO_X or at least 40 tons per year of SO_2 are considered to emit significant amounts of precursors. Sources with significant increases of $PM_{2.5}$ precursors must qualitatively and/or quantitatively account for the secondary formation of $PM_{2.5}$. Secondary formation of $PM_{2.5}$ will be calculated using the MERP guiding questions as outlined in the guidelines.[6]

For modeling the 1-hour SO_2 NAAQS, a Tier 1 modeling analysis will be conducted, per Section 2.6.4.4 of the NMED Modeling Guidelines.[7] The analysis will include modeling the entire facility along with surrounding sources within 10 km of the facility, and the modeled concentrations will be combined with the appropriate background concentrations and compared against the standards.

2.5 PSD Increment Analysis

Per Section 7.2.4 of the NMED Modeling Guidelines,[8] PSD increment consumption modeling must be performed for NO_2, SO_2, PM_{10}, and $PM_{2.5}$ if the minor source baseline dates have been established for those pollutants in the Air Quality Control Region (AQCR) the facility will be located in. Minor source baseline dates can be found in Table 22 of the modeling guidelines.[9] The West Microgrid is located within AQCR 153 with baseline dates listed in Table 2 below.

[3] New Mexico Air Quality Bureau, ***Modeling Guidelines***, 2024, p. 22.

[4] New Mexico Air Quality Bureau, ***Modeling Guidelines***, 2024, p. 24.

[5] New Mexico Air Quality Bureau, ***Modeling Guidelines***, 2024, p. 30.

[6] New Mexico Air Quality Bureau, ***Modeling Guidelines***, 2024, p. 31.

[7] New Mexico Air Quality Bureau, ***Modeling Guidelines***, 2024, p. 34.

[8] New Mexico Air Quality Bureau, ***Modeling Guidelines***, 2024, p. 79.

[9] New Mexico Air Quality Bureau, ***Modeling Guidelines***, 2024, Table 22, p. 40.

Table 2 - AQCR 153 Minor Source Baseline Dates

AQCR	NO_2 Date	SO_2 Date	PM_{10} Date	$PM_{2.5}$ Date
153	8/2/1995	Not Established	6/16/2000	Not Established

Therefore, if the results of the significance analysis for NO_2 or PM_{10} indicate concentrations greater than significance levels, PSD increment analysis will be conducted for the appropriate averaging periods. If required, the PSD increment analysis will be conducted, including all PSD increment consuming and expanding sources within 25 km of the facility, plus sources emitting over 1,000 pounds per hour within 50 km of the facility.[10] The surrounding source information will be obtained from NMED MergeMaster. The predicted maximum concentrations will be compared to the appropriate Class II PSD Standard.

2.6 Culpability Analysis

If predicted concentrations for the modeled pollutants and averaging periods exceed any applicable NAAQS, NMAAQS, or PSD Increment standards, a culpability analysis will be conducted for each receptor that shows a modeled exceedance. Source contributions from the facility will be paired in time and space with contributions from surrounding sources to show that the contribution from the facility is less than the significance levels for the specific pollutant and averaging period. A table or a similar demonstration technique will be provided along with an explanation in the final report.

2.7 Class I Areas Analysis

Per Section 7.2.5 of the NMED modeling guidelines,[11] if a PSD Class II increment analysis is required and the proposed construction of a minor source is within 50 km of a Class I area, then PSD increment consumption at the Class I area(s) must be determined and compared with the Class I PSD Increment. The nearest Class I area is Guadalupe Mountains National Park, 156.5 km from the facility. Since the nearest Class I area is more than 50 km away, a Class I PSD Increment analysis is not required.

2.8 Toxic Air Pollutant (TAP) Analysis

Per 20.2.72.403.A.(1) NMAC, if any TAP exceeds the screening level in 20.2.72.502 NMAC, the TAP will be modeled using an 8-hour averaging period, complex terrain, and building downwash. No surrounding sources or background concentrations exist for TAPs, so only sources at the facility will be modeled. The receptor grid outlined in Section 2.2 includes the fine grid required to be used in the area of the maximum concentration.

Per Table C of 20.2.72.502 NMAC, facilities may choose to use a correction factor (CF) for the release height of emissions for the purpose of determining whether a permit is necessary for the emission of a toxic air pollutant. If the TAP is released from multiple heights, then the facility may choose to use a weighted average CF, weighted by the emission rate at each stack.

[10] New Mexico Air Quality Bureau, ***Modeling Guidelines***, 2024, p. 63.

[11] New Mexico Air Quality Bureau, ***Modeling Guidelines***, 2024, p. 80.

Table - TAP Modeling Thresholds

Pollutant	OEL µg/m³	1% OEL µg/m³	Emission Rate Screening Level lb/hr	Correction Factor (CF)	Emission Rate Screening Level w/ CF lb/hr
Ammonia (NH_3)	18.0	0.18	1.20	71	85.2

Section 17

Compliance Test History

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

To show compliance with existing NSR permits conditions, you must submit a compliance test history. The table below provides an example.

No compliance tests have been conducted at this facility since the facility has not yet been constructed.

Section 20

Other Relevant Information

Other relevant information. Use this attachment to clarify any part in the application that you think needs explaining. Reference the section, table, column, and/or field. Include any additional text, tables, calculations or clarifying information.

Additionally, the applicant may propose specific permit language for AQB consideration. In the case of a revision to an existing permit, the applicant should provide the old language and the new language in track changes format to highlight the proposed changes. If proposing language for a new facility or language for a new unit, submit the proposed operating condition(s), along with the associated monitoring, recordkeeping, and reporting conditions. In either case, please limit the proposed language to the affected portion of the permit.

East Microgrid Toxics Analysis

According to 20.2.72.203.A(3), *"[...] all information, including all calculations and computations, to describe the specific chemical and physical nature and to estimate the maximum quantities of any regulated air contaminants the source will emit through routine operations after construction, modification or installation is completed, and estimate maximum potential emissions during malfunction, startup, shutdown"* must be included with an application. With respect to a toxic air pollutant as defined by Subsection H of 20.2.72.401 NMAC, this requirement only applies when the toxic air pollutant is emitted in such a manner that a permit is required under the provisions of 20.2.72.400 NMAC - 20.2.72.499 NMAC. Calculations and computations for toxic air pollutants are included in this section. No toxic air pollutant other than ammonia, as defined in 20.2.72.401 NMAC, is emitted in a quantity exceeding the screening threshold established in 20.2.72.502 Table A nor in Table B.

An analysis was completed for toxic air pollutants at East Microgrid. The following pollutants were evaluated: ammonia.

Per 20.2.72.502 Table C, "*Sources may choose to use a correction factor for the release height of emissions for the purpose of determining whether a permit is necessary for the emission of a toxic air pollutant. To apply the correction go to the table below and find the minimum height of release for the toxic air pollutant and select the correction factor (CF) which corresponds to that figure. If the height of release is between two values, the lower number shall be selected; or in the event of multiple releases of the same substance from different release heights, the source may choose to use a weighted average CF, weighted by the emission rate at each. The emissions in pounds per hour is then multiplied by the CF (see below). If the emissions from your source exceed the resulting number, you must apply for a permit from the department. Remember, this must be done for each toxic air pollutant.*"

This weighted correction factor was applied to ammonia, and an adjusted Toxic Air Pollutant (TAPs) threshold was developed. Based on this adjustment, ammonia was found in excess of the screening thresholds.

The weighted average correction factors were identified as follows: Ammonia = 71

Please see a sample calculation for ammonia' s correction factor below (turbine configuration 1):

Weighted Average Correction Factor = SUM [Correction Factor of each stack * ammonia emission rate] / SUM (Ammonia emission rate) = [(71*15.74 lb/hr) + (71*15.74 lb/hr) + (71*15.74 lb/hr) + (71*15.74 lb/hr) + (71*15.74 lb/hr) + (71*15.74 lb/hr) + (71*15.74 lb/hr) + (71*15.74 lb/hr)] / 110.17 lb/hr = 71

TAPs Threshold (ammonia) = 1.20 lb/hr * 71 = 85.20 lb/hr. See 20.2.72.502 NMAC, Table A.

TAP modeling for ammonia was completed for East Microgrid in accordance with 20.2.72.403.A(2) and was found to be below one one-hundredth of the OEL. The OEL for ammonia is 18 mg/m^3.

CEMS Installation Information
Attached is information about the planned installation and quality assurance provisions for the CEMS units.

Acoma, LLC - East Microgrid

Toxic Air Pollutants Summary - Configuration 1

Pollutant Emission Rates and Corrected Emission Rates					
Unit	Unit Description	Stack Height ft	Stack Height m	CF[1]	Ammonia lb/hr
TUR-F-1	[redacted]	140.00	42.67	71	31.47
TUR-F-2		140.00	42.67	71	31.47
TUR-F-3		140.00	42.67	71	31.47
TUR-F-4		140.00	42.67	71	31.47
TUR-F-5		140.00	42.67	71	31.47
TUR-F-6		140.00	42.67	71	31.47
TUR-F-7		140.00	42.67	71	31.47
SSM-1		-	-	1	-
				Total[2]:	220.30
				TAP Threshold[3]:	1.20
				Corrected TAPs Threshold[4]:	85.20
				Exceeds Threshold?	YES

[1] Sources may choose to use a correction factor for the release height of emissions for the purpose of determining whether a permit is necessary for the emission of a toxic air pollutant. To apply the correction, find the minimum height of release for the toxic air pollutant and select the correction factor (CF) which corresponds to the list provided in NMAC 20.2.72.502 Table C. If the height of release is between two values, the lower number shall be selected, as per NMAC 20.2.72.502 Table C.

[2] Of the seven (7) turbine units installed, during normal operations only five (5) units will operating at the same time. The emissions for all turbines are represented in the above table as any five (5) of the seven (7) turbines could be in operation at a time during normal operations. For this TAP determination, all seven (7) turbine emissions are conservatively examined.

[3] Toxic Air Pollutant threshold in lb/hr as per NMAC 20.2.72.502 Table A and Table B.

[4] In the event of multiple releases of the same substance from different release heights, the source may choose to use a weighted average CF, weighted by the emission rate at each, Per NMAC 20.2.72.500 Table C.

Pollutant	TAP Limit (lbs)	Weighted Average CF[1]	TAP Limit * CF
Ammonia	1.2	71.00	85.2

[1] In the event of multiple releases of the same substance from different release heights, the source may choose to use a weighted average CF, weighted by the emission rate at each, Per NMAC 20.2.72.500 Table C.

Acoma, LLC - East Microgrid

Toxic Air Pollutants Summary - Configuration 2

Pollutant Emission Rates and Corrected Emission Rates					
Unit	Unit Description	Stack Height ft	Stack Height m	CF[1]	Ammonia lb/hr
TUR-F-1	[redacted]	140.00	42.67	71	31.47
TUR-F-2		140.00	42.67	71	31.47
TUR-F-3		140.00	42.67	71	31.47
TUR-F-4		140.00	42.67	71	31.47
TUR-H-1		140.00	42.67	71	42.14
TUR-H-2		140.00	42.67	71	42.14
SSM-1		140.00	42.67	71	-
SSM-2		-	-	1	-
				Total[2]:	210.17
				TAP Threshold[3]:	1.20
				Corrected TAPs Threshold[4]:	85.20
				Exceeds Threshold?	YES

[1] Sources may choose to use a correction factor for the release height of emissions for the purpose of determining whether a permit is necessary for the emission of a toxic air pollutant. To apply the correction, find the minimum height of release for the toxic air pollutant and select the correction factor (CF) which corresponds to the list provided in NMAC 20.2.72.502 Table C. If the height of release is between two values, the lower number shall be selected, as per NMAC 20.2.72.502 Table C.

[2] Of the six (6) turbine units installed, during normal operations only four (4) units will operating at the same time. The emissions for all turbines are represented in the above table as any four (4) of the six (6) turbines could be in operation at a time during normal operations. For this TAP determination, all seven (6) turbine emissions are conservatively examined.

[3] Toxic Air Pollutant threshold in lb/hr as per NMAC 20.2.72.502 Table A and Table B.

[4] In the event of multiple releases of the same substance from different release heights, the source may choose to use a weighted average CF, weighted by the emission rate at each, Per NMAC 20.2.72.500 Table C.

Pollutant	TAP Limit (lbs)	Weighted Average CF[1]	TAP Limit * CF
Ammonia	1.2	71.00	85.2

[1] In the event of multiple releases of the same substance from different release heights, the source may choose to use a weighted average CF, weighted by the emission rate at each, Per NMAC 20.2.72.500 Table C.

CEM Equipment Specifications

Combustion Turbines

NOX and CO diluent CEMS capable of monitoring the concentration of NOX, CO, and O_2 from each gas turbine stack will be installed to demonstrate compliance with the permit emissions limits and applicable Part 60 standards.

The NOX CEMS will comply with the dual span and range requirements of sec. 2.1.2.4 of 40 CFR Pt. 75, Appendix A to provide a high range of approximately 0–100 ppm and a low range of approximately 0–10 ppm (exact values will be determined based on the maximum expected concentration procedures of that appendix). The CO CEMS will employ the same procedures by analogy with expected high range of 0–1000 ppm and a low range of not more than 0–10 ppm (again, exact values to be determined using Part 75 procedures). Each system will be installed and calibrated according to Part 75 or PS-2 procedures (for NOX) or PS-4B (for CO), with acceptable calibration drift levels set accordingly.

Section 22: Certification

Company Name: Acoma, LLC

I, Brannen McElmurray, hereby certify that the information and data submitted in this application are true and as accurate as possible, to the best of my knowledge and professional expertise and experience.

Signed this 12th day of November, 2025, upon my oath or affirmation, before a notary of the State of New York.

*Signature

November 12, 2025
Date

Brannen McElmurray
Printed Name

Authorized Signatory
Title

Scribed and sworn before me on this 12th day of November, 2025.

My authorization as a notary of the State of New York expires on the 11 day of July, 2029.

Notary's Signature

11/12/2025
Date

BRYAN CHANG
Notary's Printed Name

BRYAN CHANG
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01CH0039459
Qualified in New York County
Commission Expires 7/11/2029

*For Title V applications, the signature must be of the Responsible Official as defined in 20.2.70.7.AE NMAC.