



# Torrance County Commission

**Regular Meeting to be Held at:**  
*Administrative Offices of Torrance County*  
*Commission Chambers*  
*205 9<sup>th</sup> Street*  
*Estancia, NM 87016*

## AGENDA

May 10<sup>th</sup>, 2017  
9:00 A.M.

Please Silence All Electronic Devices

Call Meeting to Order  
Pledge of Allegiance  
Invocation

Approval of Minutes: April 26<sup>th</sup>, 2017 Regular Meeting  
Approval of Meeting Agenda  
Approval of Consent Agenda:  
1. *Approval of Checks*

### ACTION ITEMS\*:

#### **ITEMS TO BE CONSIDERED AND ACTED UPON**

#### **\* Public Hearing:**

The Torrance County Commission will hold a Public Hearing to consider the application for a Special Use change in zoning to allow Pacific Wind, LLC to develop a Wind & Solar energy generating facility. The project sites are described as: **La Joya project private lands:** Ansley Ranch within or portions of Sections 8 through 10, 14 through 17, 19 through 27, and 30 through 36, T.8N., R.11E. NMPM. The Wrye Ranch within or portions of Sections 2 through 6, T.6N., R.11E., 2, 11, 12, 14, 16, 21 through 27, 31 through 36 T.7N., R.11E., 12 and 36, T.7N., R.11 ½ E., and 6 & 7 T.7N., R.12 E. NMPM. The Double Arrow Ranch all of Sections 3, 4, 8, & 9 T.7N., R.11E. NMPM. **Lucia project private lands:** Harral Ranch within portions of Sections 21 and 22, T.4N., R.11E., NMPM. The Luna Ranch Sections 22, 23, 26, 27, 33, 34, and 35, T.4N., R.12E., NMPM. **State Land leases** affecting both projects include lands within or portions of the following sections, townships, and ranges: Sections 1, 12, 13, & 24, T.7N., R.11.5E., NMPM, Sections 2, 16, 17, 18, 19 & 32 T.7N., R.12E., NMPM, Sections 1, 12, 13, & 24, T.8N., R.11E. NMPM, Sections 1, 12, 13, 24, 25, & 36 T.9N., R.11E., NMPM. Section 6, T.9N., R.12E., NMPM. Sections 16, 32, & 36 T.6N., R.12E., NMPM. Section 32, T.6N., R.13E., NMPM. Sections 2, 6, 18, & 28 through 33, T.5N., R.12E., NMPM. Sections 23 through 26, 35, & 36 T.5N., R.11E., NMPM. Sections 4, 16, & 18 T.5N., R.13E., NMPM. Sections 1 through 3, 9 through 16, 21 through 23, T.4N., R.11E., NMPM. Sections 1 through 3, 10 through 16, 20, 21, 28 through 32, T.4N., R.12E., NMPM.

1. Special Use change in zoning to allow Pacific Wind, LLC to develop a Wind & Solar energy generating facility

#### **\*Commission Matters:**

2. Investment Committee Appointments
3. Resolution 2017-022 SunZia Southwest Transmission Project, Update & Presentation – John Ryan, SunZia Southwest Transmission
4. Award RFP 2017-03 Audit Services – Leslie Olivas, Purchasing Director

#### **\* Department Requests/Reports:**

(Public Comment, each item: At the Discretion of the Commission Chair. Comments are limited to one (1) minute per person.)

5. Updates: a. Various County Departments b. Other Boards or Land Grants (upon request) c. Forest Service (upon request) d. Commission
6. Resolution 2017-018 Authorizing Pre-Payment of Property Taxes
7. Resolution 2017-019 Juvenile Adjudication Grant Fund Application – Tracey Master, DWI Prevention
8. Resolution 2017-020 Line Item Transfer(s) – Amanda Tenorio, Finance Director

#### **\*County Manager Requests/Reports:**

9. Request Payment of EVSWA Tipping Fees; request to allow payment(s) past due and future, through the end of FY2017
10. Mid-Region Council of Governments Rural Transportation Planning Committee Appointment(s) – Annette Ortiz, Deputy County Manager
11. Request Approval of Pitney Bowes Lease Agreement
12. Update

**Public Comment / Requests:** At the Discretion of the Commission Chair. For Information Only (No Action Can Be Taken). Comments are limited to three (3) minutes per person on any subject.

#### **EXECUTIVE SESSION:**

***As Per Motion and Roll Call Vote, Pursuant to New Mexico State Statute Section 10-15-1, the Following Matters Will be Discussed in Closed Session:***

- a) Limited personnel matters pursuant to NMSA 10-15-1 H (2) regarding discussion of County Fire Chief.
- b) Limited personnel matters pursuant to NMSA 10-15-1 H (2) regarding the County Manager.

#### **\*Reconvene from Executive Session:**

**Pursuant to Open Meetings Act, Section 10-15-1(J), Commission Report from Closed Meeting:**

- c) Consider and Act upon, if appropriate, Limited Personnel Matters regarding discussion of County Fire Chief.
- d) Consider and Act upon, if appropriate, Limited Personnel Matters regarding the County Manager.

#### **\*Adjourn**



*Minutes*



**Draft Copy**  
**Torrance County Commission**  
**Regular Meeting**  
**April 26, 2017**

**Commissioners Present:**            **Javier Sanchez-Chairman**  
   **Jim Frost-Member**  
   **Julia DuCharme-Member**

**Others Present:**                    **Belinda Garland-County Manager**  
   **Annette Ortiz-Dpty Cnty Mngr**  
   **Dennis Wallin-County Attorney**  
   **Sylvia Chavez-Admin Asst II**

**Call Meeting to Order:**

Chairman Sanchez calls the meeting to order at 9:01 am and calls for a Commission roll call, Commission District 1-Present, Commission District 2-Present, Commission District 3-Present. Ms. Linda Jaramillo leads us in the pledge and Ms. Sylvia Chavez (myself) gives the invocation.

**Approval of the Meeting Minutes:**

Chairman Sanchez asks for a motion to approve the April 12, 2017 Regular Commission Meeting minutes. **ACTION TAKEN:** Madam Commissioner DuCharme makes a motion to approve the April 12, 2017 Regular Commission Meeting Minutes. Chairman Sanchez seconds the motion. No further discussion, the Commission votes: all in favor, none opposed. **MOTION CARRIED.**

**Approval of the Meeting Agenda:**

Chairman Sanchez asks for a motion to approve today's Meeting Agenda. **ACTION TAKEN:** Commissioner Frost makes a motion to approve to today's meeting

agenda. Chairman Sanchez seconds the motion. No further discussion, the Commission votes: all in favor, none opposed. **MOTION CARRIED.**

### **Approval of the Consent Agenda:**

Chairman Sanchez asks for a motion to approve the Consent Agenda. **ACTION TAKEN:** Commissioner Frost makes a motion to approve the Consent Agenda. Chairman Sanchez seconds the motion. Madam Commissioner DuCharme states that it seems in every Consent Agenda there has been a purchase of a truck. She is looking for Mrs. Sedillo to ask if this is a priority to be buying a truck. Ms. Annette Ortiz comes to the podium and clarifies the purchase of the new vehicle for the Treasures office. She states that now that the Treasures office is going out and having satellite offices in the different communities throughout the County it would leave the remaining staff in the office without the vehicle to do daily duties, such as going to the bank and getting the office mail. Ms. Ortiz states that Ms. Sedillo is very cautious when spending money out of her budget but that was the reason for the purchase of the SUV. The Commission votes, all in favor, none opposed. **MOTION CARRIED.**

### **There are no Indigent Claims**

## **ACTION ITEMS\*:** **ITEMS TO BE CONSIDERED AND ACTED UPON**

### **\*Department Requests/Reports:**

(Public Comment, each item: At the discretion of the Commission Chair. Comments are limited to one minute per person.)

#### **1. Updates:**

a. Various County Departments

**Hanna Sanchez, Fire Administrator,** gives an update on the Tinder that was involved in a roll over in December. Chris Downy, general adjuster with the NMAC has declared the vehicle a total loss. The total amount spent on the Tinder was \$83,062.00. Ms. Sanchez was contacted by Bobby Dolton from NMAC inquiring about the title for the Tinder, in order to sell the Tinder as a salvaged title. Ms. Sanchez states she is waiting on the check from NMAC for the Tinder and there is

another agency that is interested in purchasing the vehicle and she is just waiting for that individual to make contact with either herself or Nick Sedillo to look at the vehicle.

**Cindi Sullivan-Animal Shelter Director**, she goes over the first quarter numbers for the Animal Shelter/Animal Control. There have been a total of 105 animals, 84 dogs and 21 cats, one reported bite case. They have received 2 quotes for the Foyer project. County Manager Belinda Garland states that they are waiting to receive one more quote to be compliant with the procurement procedures. Since taking over the Animal Control for the County they have done a total of 2113.7 miles in the county. Ms. Sullivan states that this will help in trying to budget for the next FY. She has not done this before so she is trying to take the steps to help prepare her budget. She mentions that their printing budget may be more than expected due to having door hangers made for the Animal Control. Commissioner Frost asks how the coverage is being handled with her staff. Ms. Sullivan states that they are doing well and staff is getting acclimated to the new job. There is coverage 24/7, she mentions that since taking over they have had 6 or 7 after hour calls for service. Madam Commissioner DuCharme asks what the door hangers are used for. Cindi states Animal Control, puts the hanger on the door whenever they have been called out because their dog is either at large, been involved in an attack, bit someone or could even be at the shelter. Ms. Sullivan states that there is a lot of people in the County that don't realize there is an Animal Shelter in Torrance County. So this also helps with letting the residence know we are out here providing services for the County.

**Linda Jaramillo-County Clerk**, informs the Commission that sadly, Michelle Jones has taken another job. Ms. Jones will be the new Clerk for the Town of Estancia. She will be greatly missed in the clerk's office as well as in here in Commission meetings. Michelle has done an excellent job for the Commission in transcribing the minutes. Ms. Jaramillo states that the Town will be happy to have her as their new Clerk. She loves her job but she also loves her family, she is taking this position because of her family. Her last day here at the County will be May 4, so if you would like to email her or stop by and thank her please do.

**Annette Ortiz-Deputy County Manager**, states that today is Administrative Professional Day, which also use to be known as secretary's day. Ms. Ortiz states that all of our employees across the board are good and would like to thank all of

the Torrance County employees and leads the Commission and audience in a round of applause for all employees. Commissioner Frost thanks all the County employees for their hard work.

b. Boards or Land Grants

**Daniel Antonio Herrera-La Merced de Pueblo Manzano**, would like to take the time to today to inform everyone that in no way do any of the land grants give their water rights to the Water Authority. They will never relinquish their rights that have been handed down to them from Spain and the Republic of Mexico. **NEVER** under no circumstances will the land grants give their water rights away. Mucho gracias

d. Commission

**District 2**, Madam Commissioner DuCharme states that she would like to thank Ms. Linda Jaramillo for her effort in trying to lower the cost of paper products that the County charges for. The foundation for open government suggests that the local governments charge what the actual cost is for the copies. Madam Commissioner DuCharme thinks that lowering the cost of copies will be better for the public and create a better relationship with the County. She is also saddened by Michelle Jones's move from Torrance County to the Town of Estancia. She states that Michelle is an expert in her field, if she was to compete in a contest on a National level for her minute transcribing, she would win. She wants to thank Ms. Jones for her hard work and hopes to see Ms. Jones come back to the County sometime in the future. She asks for a moment of applause for Michelle Jones.

**2. CSC MOU Agreement for Electronic Recording-Linda Jaramillo Clerk**

*Ms. Jaramillo reminds the audience that when coming to the podium to please state your name for the record.*

Ms. Jaramillo brings before the Commission a MOU between her office and CSC, this MOU is for the purpose of E-recording. The Clerk's office currently has another company, Simplifile that records documents. There is no cost to County for the E-recording. All documentation hereto attached. **ACTION TAKEN:** Commissioner Frost makes a motion to approve the MOU between Torrance County Clerk's office and CSC for Electronic recording. Madam Commissioner DuCharme seconds the motion. No further discussion, the Commission votes, all in favor none opposed. **MOTION CARRIED.**

### **3. Resolution 2017-15 Property Clean-Up Lands of Bruce Wilson-Dan DeCosta, Code Enforcement**

Dan DeCosta presents the Commission with a resolution to clean up property located in Mountainair. The property is in the County but you access the property through Mountainair town limits. Mr. DeCosta states that the money is from a grant the County received for illegal dumping. Commissioner Frost asks if they are still dumping on the property, Mr. DeCosta states that this is the second time this property has been cleaned. He will look into possibly prosecuting the owners. All documentation hereto attached. **ACTION TAKEN:** Madam Commissioner DuCharme makes a motion to approve Resolution 2017-15 Property Clean-Up Lands of Bruce Wilson. Chairman Sanchez seconds the motion. No further discussion, the Commission votes all in favor, none opposed. **MOTION CARRIED.**

### **4. Resolution 2017-16 Property Clean-Up South 10 Corp-Dan DeCosta, Code Enforcement**

Dan DeCosta presents the Commission with a resolution to clean up another property in the County with funds from a grant for illegal dumping. All documentation hereto attached. **ACTION TAKEN:** Chairman Sanchez makes a motion to approve Resolution 2017-16 Property Clean-up South 10 Corp. Madam Commissioner DuCharme seconds the motion. No further discussion, the Commission votes all in favor, none opposed. **MOTION CARRIED.**

### **5. Resolution 2017-17 Lot Lettered A Block 20 Tract C of Bella Vista Estates-Dan DeCosta, Code Enforcement**

Dan DeCosta again presents the Commission with another resolution to clean up property in the Bella Vista subdivision. Mr. DeCosta met with the property owner, whose husband passed away last year and she was not aware of where the property was located. She is cooperating with the County to get the property cleaned-up and may reimburse for the cost of the cleaning. All documentation hereto attached. **ACTION TAKEN:** Chairman Sanchez makes a motion to approve Resolution 2017-17 Lot lettered A Block 20 Tract C of Bella Vista Estates. Madam Commissioner DuCharme seconds the motion. No further discussion, the Commission votes, all in favor none opposed. **MOTION CARRIED.**

### **6. Request Approval of US Forest Service Grant 12-LE11030300-016 Modification Number 5-Stephanie Dunlap, Sheriff Administrator**

Leslie Olivas, Purchasing Director presents this item for Stephanie due to Ms. Dunlap losing her voice. Ms. Olivas states that this is the 5<sup>th</sup> year the County has done this grant with the Forest Service to do patrolling in the designated areas in the forest. All documentation hereto attached. **ACTION TAKEN:** Commissioner Frost makes a motion to approve US Forest Service Grant 12-LE11030300-016 Modification Number 5. Chairman Sanchez seconds the motion. No further discussion, the Commission votes, all in favor none opposed. **MOTION CARRIED.**

**7. Request Approval of Driver Certification / Re-Certification for Torrance County Fire Department-Ben Daugherty, Fire Department**

Ben Daugherty is asking the Commission to approve the certification / re-certification that the County Fire department is trying to put into place for all the Fire Departments. This will help the County be in compliance with the requirements of operating an emergency vehicle as well as to make sure everyone is properly trained. All documentation hereto attached. **ACTION TAKEN:** Commissioner Frost makes a motion to approve Driver Certification / Re-Certification for Torrance County Fire Department. Chairman Sanchez seconds the motion. No further discussion, the Commission votes all in favor none opposed. **MOTION CARRIED.**

**8. Contract with NM Apparatus for On-Site Apparatus Repair-Leslie Olivas, Purchasing Director**

Ms. Olivas states that this is the approval of the contract from the RFP that was awarded to NM Apparatus at the last Commission meeting. All documentation hereto attached. **ACTION TAKEN:** Chairman Sanchez makes a motion to approve the contact with NM Apparatus for On-Site Apparatus Repair. Madam Commissioner DuCharme seconds the motion. No further discussion, the Commission votes, all in favor none opposed. **MOTION CARRIED.**

**9. Contract with Fire Fighter Trucks for On-Site Fire Apparatus Repair-Leslie Olivas, Purchasing Director**

Ms. Olivas present the contract with Fire Fighter Trucks Inc. which was also awarded the RFP from the last Commission meeting. This will be for on-site repair for fire apparatus that the County has. All documentation hereto attached.

**ACTION TAKEN:** Chairman Sanchez makes a motion to approve the Contract with Fire Fighter Trucks for On-site Fire Apparatus Repair. Commissioner Frost seconds the motion. Madam Commissioner DuCharme would like clarification on the overnight stay charge in the amount of \$200.00 per night. She states there is no clarification as to when they are to stay the night or not. Ms. Olivas states that they would not be able to tell when they would have to stay the night until they got here and starting working on the apparatus. Madam Commissioner DuCharme asks Mr. Wallin if the County needs to put in the contract that the Company needs to let the County know when they plan on staying the night. Mr. Wallin states that it is so broad to cover and does not see how we could add that to the Contract. The Commission votes 2 in favor Madam Commissioner DuCharme opposed. **MOTION CARRIED.**

**\*Commission Matters:**

**10. Extension of Professional Services Agreement (Legal Services)**

Chairman Sanchez asks for a motion, all documentation hereto attached. **ACTION TAKEN:** Chairman Sanchez makes a motion to approve Extension of Professional Services Agreement. Commissioner Frost seconds the motion. Madam Commissioner DuCharme asks, how can a contract that has expired be extended. Ms. Leslie Olivas states that within the contract there is a mutual agreement to continue to operate, the County is trying to catch up on the paperwork and the extension of this contract was over looked. Madam Commissioner DuCharme asks who approves the contract, Ms. Olivas states that the Commission approves the contract. Madam County Manager Belinda Garland comments that the language in the original contract allows the County to continue to use the Law firm until the contract is terminated. Belinda comments that we are just trying to clean up our paperwork and move forward. Madam Commissioner DuCharme thanks Ms. Garland for clearing up the paperwork but asks why year after year we are doing this with the contract for legal services. Ms. Olivas states that there is no particular reason it was just an over site and they are getting it corrected. Madam Commissioner DuCharme asks if we are compliant with the procurement process, Leslie states that we are fine contractually, when the contract was approved it was approved for a four (4) year term with understanding to have it approved by the Commission annually. Chairman Sanchez asks if there is further discussion or public comment:

**Hank Van Es**, states that he is opposed to the contract and would like to see the County go out for proposals for Legal services in the future.

Madam Commissioner DuCharme states that she became aware of a lawsuit that was filed against the County that was in particular against the Law firm that represents the County and would like to have more information about the lawsuit. She also wants a detailed cost of what the legal services are costing the County. Madam Commissioner DuCharme would like to table this item until she can get that information. Chairman Sanchez asks if the manager's office can compile this information. Ms. Olivas states that she can get that information if the Commission gives her a few minutes to get the report. Chairman Sanchez gives Ms. Olivas time to get the report but would like to move on to the next agenda item and come back to this item later when the report is available.

**\*County Manager Requests/Reports:**

**11. Ratification of CYFD Statewide Community Based Prevention and Promotion Home Visiting Services RFP#17-690-17-14243**

Madam County Manager Belinda Garland, states that the paperwork had to be signed and turned in by yesterday so she went ahead and signed and is now asking for the Commission to ratify the CYFD Statewide Community Based Prevention and Promotion Home Visiting Services RFP#17-690-17-14243. Belinda states she is new to the ratification process and asks the Commission if they have any questions for her. Madam Commissioner DuCharme asks if the Commission can get the full RFP seeing how the Commission only got the first (1) page of the RFP in the their packets. Ms. Garland states that she will get a full copy to the Commission. Madam Commissioner DuCharme asks Ms. Garland if she was happy with the RFP, Ms. Garland states that she looked through the RFP and had legal counsel look it over and both were ok with the RFP, there is no cost to the County for this RFP. All documentation hereto attached. **ACTION TAKEN:** Madam Commissioner DuCharme makes a motion to ratify the CYFD Statewide Community Based Prevention and Promotion Home Visiting Services RFP#17-690-17-14243. Chairman Sanchez seconds the motion. No further discussion. The Commission votes, all in favor. **MOTION CARRIED.**



## **12. Update**

Ms. Garland gives her managers' report:

Belinda, Leonard and Annette have starting compiling the cost of moving the Tajique transfer station. Chairman Sanchez and Belinda will be attending the Tajique land grant meeting in which Andrew Gutierrez has invited them to. She mentions that the tipping fees have been paid to EVSWA which were in the amount of \$73,176.77. She is talking with legal counsel about the late fees. She and Annette attended the EVSWA meeting and their board voted to reinstate the roll off containers service again. Ms. Garland asks if the Commission would like an update from the newly elected County EVSWA board members. Belinda attended the NMAC legislative report meeting in Tucumcari, which had a lot of great information that will be beneficial in the future for the County. She has been working on quotes for IT wiring and hardware for the Sheriff's office move.

She also met with legal counsel to go over pending litigations.

She has met with EVEDA and First Choice, they are requesting funds for a new facility.

Jason Trumbell has given his verbal resignation as the Torrance County Fire Chief, Belinda and Annette will be meeting with Jason to go over his resignation.

She mentions that two names have been submitted by citizens to serve as a member at large for the investment committee.

Manager's office is working on advertisement for EMS research Committee members.

She and Annette attended the Tri-County Juvenile Justice Board meeting, there were changes made to board in order to become compliant with the MOU.

Madam Commissioner DuCharme thanks Ms. Garland for the excellent update.

Manager's report hereto attached

## **10. Extension of Professional Services Agreement (Legal Services)**

The Commission revisits this agenda item. Chairman Sanchez states that there was a motion and second on this item and now we will have discussion, Ms. Olivas presents the Commission with the cost for legal services for FY 2016 and first quarter for 2017. Madam Commissioner DuCharme asks Leslie to please explain the report that was given to the Commission. Ms. Olivas reads the dollar amounts that the County has paid out in legal fees. For FY 2015-16 the amount is \$124,925.39 and for FY 2016-17 \$241,654.52. Madam Commissioner DuCharme states that she thinks the County needs to look at other options and ask why,

does the County need legal services in the first place. She feels that the County needs to reduce costs and legal services could be one of those places we can reduce. Chairman Sanchez asks County Manager, Belinda Garland what she thinks about the contract, she states that she doesn't have the full contract in front of her. She states that if the contract verbiage states that the contract can be extended till the contract fully expires in October of 2017, then it just needs to be approved every year until it is terminated. Ms. Annette Ortiz asks for clarification on the contract, she asks Ms. Olivas how many more years are left in the current contract. Leslie states that we have another year after this extension (2018). Madam Commissioner DuCharme asks who prepared the extension and the contract. Leslie comments that she prepared the extension paperwork but the original contract was prepared by Mr. Wallin. Commissioner Frost comments that the lawsuits are just part of the equation, the other equations are having legal counsel represent the County on other lawsuits and help with different department issues that may arise. Chairman Sanchez asks if there is public comment:

**Michael Godey**, when discussing legal fees you have to remember that the cost of legal fees comes from decisions that are made by the Commission. Those decisions were made by a prior Commission so now that there is a new Commission he advises them to be more vigilant on making decisions.

**Hank Van Es**, would like to bring up the possibility of hiring a full time County Attorney which may help bring down the cost on legal fees.

**Linda Jaramillo, Torrance County Clerk**, all the years that she has been with the County, Dennis has served her very well. He has helped with election matters and anything else that has come up in her office. Ms. Jaramillo is very appreciative of Mr. Wallin.

Madam Commissioner DuCharme mentions that in Moriarty they are in the process of hiring a new attorney and she feels that our legal counsel should help prevent lawsuits against the County as part of the contract. The Commission votes, 2 in favor Madam Commissioner DuCharme opposed. **MOTION CARRIED.**

#### **Public Comment / Requests:**

*At the Discretion of the Commission Chair, for information only (No Action Can Be Taken). Comments are limited to three (3) minutes per person on any subject.*

**Hank Van Es-** Mr. Williams was here at the last meeting and was appointed to the EVSWA board as the County's representative and Madam Commissioner

DuCharme was asking about some documentation, in the past, Mr. Van Es had presented the Commission with paperwork showing double billing between the County and EVSWA. Mr. Van Es hands out the paperwork to the Commission and to Ms. Garland for their review and records. Chairman Sanchez ask Mr. Van Es to put this item on the agenda so that he may have further time to go into detail. Mr. Van Es documentation is hereto attached

**Daniel Antonio Herrera**-thanks the Commission for allowing the land grants to be part of the updates on the agenda. Mr. Herrera states that the land grants need to be part of the boards in the county i.e., Water boards, EVSWA boards and any other boards in the County that affect the land grants. We want to be a part of the system.

**Michael Godey**- he states that what Mr. Van Es failed to mention who was the County Manager at the time of the double billing. Mr. Williams was the Chairman of the solid waste board but who was the county manager?

**\*Adjourn**

Chairman Sanchez asks for a motion to adjourn. **ACTION TAKEN:** Chairman Sanchez makes a motion to adjourn the April 26, 2017 Regular Commission Meeting. Commissioner Frost seconds the motion. No further discussion, the Commission votes all in favor none opposed. **MOTION CARRIED.**

**MEETING ADJOURNS AT 10:11 A.M.**

\_\_\_\_\_  
Javier Sanchez-Chair

\_\_\_\_\_  
Sylvia Chavez-Admin Asst. II

\_\_\_\_\_  
Date

**The video of this meeting can be viewed in its entirety on the Torrance County NM website, Audio discs of this meeting can be purchased in the Torrance**

County Clerk's office and the audio of this meeting will be aired on our local radio station KSNM.



*Consent Agenda*

TOTAL CHECKS PRINTED 50

THE UNDERSIGNED MEMBERS OF THE TORRANCE COUNTY BOARD OF COMMISSIONERS DO CERTIFY THAT THE CLAIMS ENUMERATED ABOVE WERE APPROVED ALLOWED & DO AUTHORIZE THE WARRANTS AGAINST THE FUNDS OF TORRANCE COUNTY FOR THE SUM OF 544,235.44 ON ACCOUNT OF OBLIGATIONS INCURRED FOR THE SERVICES AS SHOWN ABOVE FOR THE PERIOD ENDING 04/27/2017 . WE CERTIFY THAT THE WITHIN NAMED PERSONS ARE LEGALLY ENTITLED UNDER THE CONSTITUTION OF THE STATUTES OF NEW MEXICO TO RECEIVE THE COMPENSATION STATED HEREIN. THAT THE SERVICES HAVE BEEN PERFORMED AS STATED IN THE ACCOUNTS HEREIN, THAT THEY ARE NECESSARY AND PROPER, THAT THIS VOUCHER HAS BEEN EXAMINED, THAT THE AMOUNTS CLAIMED ARE JUST, REASONABLE, AND AS AGREED AND THAT NO PART HAS BEEN PAID BY TORRANCE COUNTY.

SIGNED

ATTEST BY

-----  
James W. Frost

-----  
Javier Sanchez

-----  
Linda Jaramillo

THE UNDERSIGNED COUNTY TREASURER DOES HEREBY CERTIFY THAT SUFFICIENT FUNDS EXIST FOR THESE ACCOUNTS PAYABLE CHECKS TO BE ISSUED ON THIS DATE AND DOES HEREBY AUTHORIZE THE FINANCE DEPARTMENT TO PROCESS THESE CHECKS.

-----  
Tracy L. Sedillo

✱  
✱

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amou
01 0	99888	AMBITIONS TECHNOLOGY GROUP LLC	MAINTENANCE CONTRACT-IT	401-65-2203	142717	04/27/2017		5863.29
	5863.29		INVOICE # 6077					
	04/27/2017							
INFORMATION TECHNOLOGY 5863.29								
01 0	99889	CATERPILLAR FINANCIAL SVCS	CORPSEASE ON BACKHOE	641-09-2607	242717	04/27/2017		2024.18
	2024.18		INVOICE # 17901301					
	04/27/2017							
HIGH LONESOME WIND P/L 2024.18								
01 0	99890	CATERPILLAR FINANCIAL SVCS	CORPSEASE ON GRADERS	402-60-2607	342717	04/27/2017		10818.57
	10818.57		INVOICE # 17901301					
	04/27/2017							
COUNTY ROAD DEPARTMENT 10818.57								
01 0	99891	CENTRAL NM ELECTRIC COOP.	DIST.1 MONTHLY BILL	407-91-2208	442717	04/27/2017		139.95
	1882.46		ANIMAL SHELTER MONTHLY BILL	401-82-2208				326.69
	04/27/2017		TCFB MONTHLY BILL	412-53-2208				300.91
			DISPATCH MONTHLY BILL	911-80-2208				1114.91
STATE FIRE ALLOTMENT 139.95 ANIMAL SHELTER 326.69 COUNTY FAIR 300.91								
911-DISPATCH CENTER	1114.91							
01 0	99892	CHIEF SUPPLY	10 - PGI BANDANNA, CARBON SHIELD	406-91-2248	542717	04/27/2017	30883	1051.25
	1051.25		6 - ROCKY 10" ZIPPER JUMP BOOT				30883	
	04/27/2017		INVOICE # 476555-100033					
STATE FIRE ALLOTMENT 1051.25								
01 0	99893	COMPUTER CORNER INC	FARGO 45000 RIBBON -YMCKO-DYE	401-65-2218	642717	04/27/2017	31009	49.39
	106.77		SUBLIMATION THERMAL TRANSFER 250				31009	
	04/27/2017		CARD - 1 PACK (INCLUDES 45000				31009	
			RIBBON AND 1 CLEANING ROLLER)				31009	
			INVOICE # 154139					
			1 - HDMI TO VGA ADAPTER	401-65-2218	742717	04/27/2017	31002	57.38
			PART #HD2VGAE2				31002	
			1 - COMPACT HDMI TO VGA ADAPTER				31002	
			PART # HD2VGAMICRO				31002	
			INVOICE # 154094					
INFORMATION TECHNOLOGY 106.77								
01 0	99894	CORRECTIONS CORPORATION OF AMERICA	REIMBURSEMENT FOR 3/2017	825-70-2172	842717	04/27/2017		427859.11
	427859.11		ICE HOUSING					
	04/27/2017		INVOICE # ICE-3-2017					
ADULT INMATE CARE 427859.11								
01 0	99895	DAUGHERTY, BEN	RETURN PER DIEM-3/21/2017	911-80-2205	942717	04/27/2017		13.00
	13.00		HOMELAND SECURITY TRAINING					
	04/27/2017							
911-DISPATCH CENTER 13.00								
01 0	99896	DESIGN SILK SCREEN PRINTERS	2008 FORD ESCAPE	610-40-2218	1042717	04/27/2017	30932	410.00
	410.00		REMOVE/ADD DOOR LOGOS				30932	
	04/27/2017		2 DOORS & FRONT FENDORS				30932	

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amount
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COUNTY ASSESSOR			410.00					
01 0	99897	NEW MEXICO STATE UNIVERSITY	COUNTY SEALS					
	2460.00		INVOICE # 34017					
04/27/2017					1142717	04/27/2017	31048	2460.00
=====								
14-EMT BASIC COURSE-MOUNTAINAIR			411-92-2266					
W. TORREZ; M. COBB; M. WETTERMAN								
A. SISNEROS; S. DUNLAP;								
J. ANSLEY; B. TRAVIS; E. SMITH;								
M. MCINERNEY; A. BACA;								
D. WETTERMAN; B. HOWELL;								
C. CLARKE; H. SANCHEZ								
VERBAL APPROVAL BY L. OLIVAS								
736 ON 3/21/2017 TMP-170316								
INVOICE # 342								

1/4% FIRE EXCISE TAX			2460.00					
01 0	99898	EAST MOUNTAIN AUTO GLASS	2 - WINDSHIELDS	401-50-2201	1242717	04/27/2017	30833	715.00
	715.00		WATTS AND GUTIERREZ				30833	
04/27/2017			VERBAL APPROVAL BY L. OLIVAS				30833	
			1144 ON 3/2/2017 TMP-170303				30833	
			ADD FORMENTO				30833	
			INVOICE # 22083,21848,21986					

COUNTY SHERIFF			715.00					
01 0	99899	EAST MOUNTAIN AUTO GLASS	WINDSHIELD	401-50-2201	1342717	04/27/2017	30434	250.00
	250.00		YOUNG - CHARGER				30434	
04/27/2017			INVOICE # 22084					

COUNTY SHERIFF			250.00					
01 0	99900	EAST MOUNTAIN AUTO GLASS	DRIVER'S SIDE WINDOW ON	402-60-2244	1442717	04/27/2017	31017	275.00
	275.00		PETERBILT SEMI				31017	
04/27/2017			INVOICE # 22121					

COUNTY ROAD DEPARTMENT			275.00					
01 0	99901	FIRST VETERINARY SUPPLY	2 - BOXES BORDETTELLA VACCINATION	401-82-2115	1542717	04/27/2017	31015	350.00
	396.68		1 - BOX PARVO/DISTEMPER	401-82-2223			31015	46.68
04/27/2017			VACCINATION				31015	
			8 - BOXES 22X3/4 INCH NEEDLES				31015	
			4 - BOXES 18X1 INCH NEEDLES				31015	
			INVOICE # SX0651, SX0652					

ANIMAL SHELTER			396.68					
01 0	99902	GARCIA, FEDERICO F	2400 - GRAVEL MATERIAL FOR LOBO	830-76-2322	1642717	04/27/2017	30788	4800.00
	4800.00		ROAD				30788	
04/27/2017			FEMA PW-00037/PA-06-NM-4152				30788	

FEMA 4152-018			4800.00					
01 0	99903	HART'S TRUSTWORTHY HARDWARE	NUTS, BOLTS, SCREWS, KEYS, LOCKS	401-50-2218	1742717	04/27/2017	30509	275.56
	275.56		HARDWARE FOR S.O.				30509	
04/27/2017			MARCH 2017				30509	
			INVOICE # B216369,B217213					

COUNTY SHERIFF			275.56					
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CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amou
01 O	99904	HART'S TRUSTWORTHY HARDWARE	2 - SWITCH PLATES	406-91-2215	1842717	04/27/2017	30657	269.90
	269.90		4 - OUTLET PLATES				30657	
04/27/2017			1 - LOCKING DOOR KNOW				30657	
			1 - LAVATORY FAUCET				30657	
			1 - 30" X 21" VANITY				30657	
			1 - 30" X 22" SINK				30657	
			INVOICE # C191805					
STATE FIRE ALLOTMENT 269.90								
01 O	99905	HART'S TRUSTWORTHY HARDWARE	BASTARD FILES FOR SHARPENING	406-91-2218	1942717	04/27/2017	30880	48.97
	48.97		HAND TOOLS ON TRUCKS				30880	
04/27/2017			INVOICE # B218673					
STATE FIRE ALLOTMENT 48.97								
01 O	99906	HART'S TRUSTWORTHY HARDWARE	10 - 8X10 POLY TARP	411-92-2248	2042717	04/27/2017	31021	100.22
	100.22		7 - DUPLICATE KEYS FOR FIRE				31021	
04/27/2017			DEPARTMENT OFFICES				31021	
			INVOICE # B219492					
1/4% FIRE EXCISE TAX 100.22								
01 O	99907	HONSTEIN OIL CO.	MONTHLY FUEL CIVIL DEFENSE	604-83-2202	2142717	04/27/2017		51.09
	184.45		INVOICE # ZZ2204					
04/27/2017			MONTHLY FUEL P&Z					104.09
			INVOICE # ZZ-2205					
			MONTHLY FUEL RURAL ADDRESSING					29.27
			INVOICE # ZZ2205					
COMMUNICATIONS/EMS TAX 51.09 PLANNING & ZONING 104.09 RURAL ADDRESSING 29.27								
01 O	99908	HOWELL, BRANDI	RETURN PER DIEM-3/21/2017	911-80-2205	2442717	04/27/2017		13.00
	13.00		HOMELAND SECURITY TRAINING					
04/27/2017								
911-DISPATCH CENTER 13.00								
01 O	99909	INDEPENDENT NEWS LLC	LEGAL AD - SATELLITE OFFICES	401-30-2221	2542717	04/27/2017	30922	12.94
	12.94		VERBAL APPROVAL BY L. OLLIVAS				30922	
04/27/2017			1043 ON 3/23/2017 TMP-170321				30922	
COUNTY TREASURER 12.94								
01 O	99910	MORIARTY PIPE & IRON	TOW TRAILER MODIFICATIONS	420-74-2201	2642717	04/27/2017	30929	1366.31
	1366.31		WRENCH REPAIRS; RAMP REPAIRS;				30929	
04/27/2017			FLOOR REPAIRS				30929	
			INVOICE # 6114					
TRANSPORTATION OF PRIS 1366.31								
01 O	99911	MOUNTAINAIR, TOWN OF	MOUNTAINAIR SENIOR CENTER	401-05-2210	2742717	04/27/2017		81.13
	287.73		WATER/GAS					206.60
04/27/2017								
COUNTY COMMISSION 287.73								
01 O	99912	MOUNTAIN VIEW TELEGRAPH	EMPLOYMENT AD FAIR BOARD	412-53-2221	2842717	04/27/2017		49.27
	49.27		30544 PO# WAS CLOSED PREMATURELY					

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amou
04/27/2017								
COUNTY FAIR	49.27							
01 O 99913	138.38	MOUNTAIN VIEW TELEGRAPH	EMPLOYMENT AD - COUNTY MANAGER	401-05-2221	2942717	04/27/2017	30430	138.38
04/27/2017			INVOICE # 1327916					
COUNTY COMMISSION	138.38							
01 O 99914	31.92	MOUNTAIN VIEW TELEGRAPH	2 - PUBLIC NOTICE 4/12/17 PUBLIC	401-08-2221	3042717	04/27/2017	30852	31.92
04/27/2017			HEARING					
			AFFORDABLE SOLAR SU DISTRICT					
			2 EDITION RUN 3/16, 3/30					
			INCLUDES AFFADAVIT OF					
			PUBLICATION FEE					
			INVOICE # 1339336-0316					
			1339336-0330					
PLANNING & ZONING	31.92							
01 O 99915	42.70	MOUNTAIN VIEW TELEGRAPH	LEGAL NOTICE FOR SEALED BIDS	402-61-2221	3142717	04/27/2017	30841	42.70
04/27/2017			HFE 100P OIL FOR 2016/2017					
			STATE PROJECTS					
			IFB 2017-04					
			INVOICE # 10001339581-0316					
COUNTY ROAD SHOP	42.70							
01 O 99916	42.02	MOUNTAIN VIEW TELEGRAPH	LEGAL NOTICE FOR SEALED BID	402-61-2221	3242717	04/27/2017	30839	42.02
04/27/2017			STA 1/2" CHIPS FOR 2016/2017					
			STATE PROJECTS					
			IFB 2017-05					
			INVOICE # 10001339586-0316					
COUNTY ROAD SHOP	41.34							
01 O 99917	41.34	MOUNTAIN VIEW TELEGRAPH	LEGAL NOTICED FOR SEALED BIDS	402-61-2221	3342717	04/27/2017	30840	41.34
04/27/2017			CSSI/1 FOG SEAL OIL FOR					
			2016/2017 STATE PROJECTS					
			IFB 2017-06					
			INVOICE # 10001339591-0316					
COUNTY ROAD SHOP	329.88							
01 O 99918	329.88	NEVE'S UNIFORMS INC.	EMS BOOTS AND PANTS FOR	406-91-2248	3442717	04/27/2017	30870	329.88
04/27/2017			VOLUNTEERS - J. ANSLEY					
			VERBAL APPROVAL BY L. OLLIVAS					
			841 ON 3/9/17 TMP-170306					
			INVOICE # AB-122382					
STATE FIRE ALLOTMENT	329.88							
01 O 99919	525.00	NM ASSOCIATION OF COUNTIES	1 - REGISTRATION ANNUAL SUMMER	612-20-2266	3542717	04/27/2017	30972	175.00
04/27/2017			NMAC CONFERENCE					
			Y. OTERO					
			1 - REGISTRATION FOR 2017 ANNUAL	401-05-2266	3642717	04/27/2017	30894	175.00
			NMAC CONFERENCE IN TAOS, NM					
			JUNE 2017					
			J. SANCHEZ					

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amount
01 O	99920	175.00 COUNTY COMMISSION	INVOICE # 1952990-101401712 REGISTRATION FOR ANNUAL CONFERENCE - T. MASTER	605-13-2266	3742717	04/27/2017	31012 31012	175.00
01 O	99920	175.00 COUNTY COMMISSION	2017 LAND USE AFFILIATE DUES	401-08-2269	3842717	04/27/2017		175.00
01 O	99921	35.00	NMAC LAND USE AFFILIATE DUES, LATE FEE					35.00
01 O	99921	35.00	PLANNING & ZONING					35.00
01 O	99921	15000.00	NM COUNTY INSURANCE AUTHORITY	401-50-2212	3942717	04/27/2017		15000.00
01 O	99922	19779.96	LE-0010989 MILLER, MATTHEW DEDUCTIBLE					19779.96
01 O	99923	4779.96	MULTILINE DEDUCTIBLE GL-25911 INVOICE # 338	401-05-2212	4042717	04/27/2017		4779.96
01 O	99924	15000.00	COUNTY COMMISSION	4779.96				15000.00
01 O	99924	37259.85	3RD. QUARTER PAYMENT FY 2017 SAFETY NET CARE POOL (SNCP)	414-19-2291	4142717	04/27/2017		37259.85
01 O	99923	13.00	RETURN PER DIRM 3/21/2017 HOMELAND SECURITY TRAINING	911-80-2205	4242717	04/27/2017		13.00
01 O	99924	181.80	PAPER PRODUCTS INVOICE # 450404856	401-16-2229	4342717	04/27/2017	31020	181.80
01 O	99925	2693.75	PROFESSIONAL SERVICES-CONTRACT	401-05-2272	4442717	04/27/2017		2693.75
01 O	99926	2693.75	AUTO X FOR C. FOUERTES VERBAL APPROVAL BY I. OLIVAS 1344 ON 8/1/2016 TMP-170802 COMMODITY CODES: 92486 INVOICE # 1617-AX033 AUTO X CLASS FOR M. TRAMMELL, MIKE TRAMMELL, B. TRAVIS, M. BELLANTE, J. BEIN VERBAL APPROVAL BY I. OLIVAS 1201 ON 7/19/2016 TMP-170752 COMMODITY CODES: 92486 INVOICE # 1617-AX034 AUTO X CLASS FOR P. GONZALES VERBAL APPROVAL BY I. OLIVAS 1200 ON 7/19/2016 TMP-170751	405-91-2266	4542717	04/27/2017	29991 29991 29991 29991 29991 29991 29991 29991	425.00
01 O	99926	2693.75	SANTA FE, CITY OF					2693.75
01 O	99926	181.80	JUDICIAL COMPLEX MAINT					181.80
01 O	99925	2693.75	RYDESKI & COMPANY					2693.75
01 O	99926	4250.00	COUNTY COMMISSION					4250.00
01 O	99926	2125.00	SAFETY NET CARE POOL (SNCP)					2125.00
01 O	99926	425.00	SAFETY NET CARE POOL (SNCP)					425.00

CK#	DATE	Name	Description	Line Item	Invoice #	PO #	Amount
			COMMODITY CODES: 92486				
			INVOICE # 1617-AX032				
			3 - AUTO X CLASS	406-91-2266	4842717 04/27/2017	29670	1275.00
			D.S. BROWN, B. DIRKS, L. HAMM			29670	
			INVOICE # 1617-AX031				
			=====				
			500 COUNT BUSINESS CARDS	401-05-2221	4942717 04/27/2017	30995	149.65
			B. GARLAND			30995	
			INVOICE # 5177				
			=====				
			COUNTY COMMISSION	401-50-2219	5042717 04/27/2017	30721	1285.10
			STAPLES BUSINESS ADVANTAGE			30721	
			4 - GARMIN GPS UNITS			30721	
			4 - MESH WALL FILES			30721	
			7 - MESH WALL FILES 2 POCKETS			30721	
			SHIPPING			30721	
			ADD SD CARDS AND PENS			30721	
			=====				
			COUNTY SHERIFF	401-82-2223	5142717 04/27/2017	30958	55.98
			3 - DRY ERASE BOARD			30958	
			INVOICE # 3336070743				
			=====				
			COUNTY SHERIFF	401-82-2219	5242717 04/27/2017	30924	40.80
			ANIMAL SHELTER			30924	
			55.98				
			STAPLES BUSINESS ADVANTAGE				
			MICROSD CARDS FOR DIGITAL				
			CAMERAS				
			INVOICE # 3336146951				
			=====				
			COUNTY SHERIFF	411-92-2219	5342717 04/27/2017	30979	195.74
			ANIMAL SHELTER			30979	
			40.80				
			STAPLES BUSINESS ADVANTAGE				
			3 - CASES COPY PAPER, LAPTOP				
			CARRYING CASE, WIRELESS MOUSE				
			10 - FIRE EXTINGUISHERS,				
			FLAGGING TAPE				
			10 - PULSE OXIMETERS				
			VERBAL APPROVAL BY L. OLIVAS				
			1640 ON 3/30/2017 TMP-170327				
			=====				
			1/4% FIRE EXCISE TAX	401-20-2219	5442717 04/27/2017	30990	89.00
			921.54			30990	
			STAPLES BUSINESS ADVANTAGE				
			DIVIDERS, COPY PAPER				
			INVOICE # 3336585327				
			=====				
			COUNTY CLERK	401-05-2207	5542717 04/27/2017		33.08
			89.00				
			T-MOBILE USA, INC				
			COMMISSION MONTHLY BILL				
			CIVIL DEFENSE MONTHLY BILL				
			MAINT. MONTHLY BILL				
			MANAGER MONTHLY BILL				
			CLERK MONTHLY BILL				
			P&Z MONTHLY BILL				
			P&Z MONTHLY BILL				
			SHERIFF MONTHLY BILL				
			ANIMAL SHELTER MONTHLY BILL				
			FIRE ADMIN. MONTHLY BILL				

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amou
			DIST.3 VFD MONTHLY BILL	408-91-2207		/ /		16.54
			DIST. 2 VFD MONTHLY BILL	406-91-2207		/ /		17.64
			ROAD, MONTHLY BILL	402-60-2207		/ /		302.76
			TC HV MONTHLY BILL	629-52-2207		/ /		66.18
			TCPO DV MONTHLY BILL	690-09-2207		/ /		49.54
			DISPATCH MONTHLY BILL	911-80-2207		/ /		115.78
			DWI-MONTHLY BILL	605-22-2207		/ /		16.54
			ELECTRONIC MONITORING MONTHLY BI	420-73-2207		/ /		16.54
			TREASURER MONTHLY BILL	401-30-2207	5642717	04/27/2017	31005	9.52
			COMMUNICATIONS/EMS TAX	16.54				1.10
			COUNTY CLERK	1.10				17.64
			ANIMAL SHELTER	33.08				116.25
			HOME VISITING GRANT FY	66.18				49.54
			DWI LOCAL GRANT FY17	16.54				16.54
			WIPER BLADES FOR ESCAPE	401-30-2201	5642717	04/27/2017	31005	30.16
			INVOICE # 27121					
			BULK RATE PERMIT 12	401-30-2269	5742717	04/27/2017		225.00
			JUNE, 2017 THRU JUNE, 2018					
			RETURN PER DIEM 3/21/2017	911-80-2205	5842717	04/27/2017		13.00
			HOMELAND SECURITY TRAINING					
			P&Z MONTHLY FUEL	401-08-2202	5942717	04/27/2017		54.42
			MAINT. MONTHLY FUEL	401-15-2202		/ /		26.00
			TREASURER MONTHLY FUEL	401-30-2202		/ /		215.97
			ASSESSOR MONTHLY FUEL	610-40-2202		/ /		28.08
			SHERIFF MONTHLY FUEL	401-50-2202		/ /		131.02
			DIST. 5 VFD MONTHLY FUEL	405-91-2202		/ /		8104.86
			TCFD 2 MONTHLY FUEL	406-91-2202		/ /		811.02
			DIST.3 MONTHLY FUEL	408-91-2202		/ /		479.00
			DIST.4 MONTHLY FUEL	409-91-2202		/ /		391.45
			FIRE ADMIN. MONTHLY FUEL	413-91-2202		/ /		61.37
			TCFD 6 MONTHLY FUEL	418-91-2202		/ /		1156.20
			ELECT. MONITORING MONTHLY FUEL	420-73-2202		/ /		281.39
			CIVIL DEFENSE MONTHLY FUEL	604-83-2202		/ /		23.01
			DWI MONTHLY FUEL	605-22-2202		/ /		133.32
			TCPO H MONTHLY FUEL	629-52-2205		/ /		91.76
			RURAL ADDRESSING MONTHLY FUEL	675-07-2202		/ /		85.61
			TCPO- DV, MONTHLY FUEL	690-09-2202		/ /		38.12
			DISPATCH MONTHLY FUEL	911-80-2202		/ /		40.45
			ANIMAL SHELTER MONTHLY FUEL	401-82-2202		/ /		95.88
			ADMINISTRATIVE OFFICES	215.97				29.39
			COUNTY SHERIFF	8104.86				
			COMMUNICATIONS/EMS TAX	133.32				
			RURAL ADDRESSING	38.12				
			ADMINISTRATIVE OFFICES	28.08				
			COUNTY SHERIFF	3180.43				
			COMMUNICATIONS/EMS TAX	91.76				
			RURAL ADDRESSING	40.45				

CK#	DATE	Name					
11-DISPATCH CENTER	95.88	ANIMAL SHELTER		29.39			
50	544235.44	/ /					
						TOTAL	

*****		DEBITS	CREDITS
** GRAND TOTAL **		544,235.44	.00
**TOTAL		43,152.28	.00
=====			
GENERAL FUND			
=====			
COUNTY COMMISSION		8,257.55	.00
=====			
**DEPT	401-05-2207	33.08	.00
	401-05-2209	206.60	.00
	401-05-2210	81.13	.00
	401-05-2212	4,779.96	.00
	401-05-2221	288.03	.00
	401-05-2226	175.00	.00
	401-05-2272	2,693.75	.00
=====			
PLANNING & ZONING		163.88	.00
=====			
**DEPT	401-08-2201	26.00	.00
	401-08-2202	54.42	.00
	401-08-2207	16.54	.00
	401-08-2221	31.92	.00
	401-08-2269	35.00	.00
=====			
COUNTY MANAGER		48.14	.00
=====			
**DEPT	401-10-2207	48.14	.00
=====			
ADMINISTRATIVE OFFICES MAINTENAN		217.07	.00
=====			
**DEPT	401-15-2202	215.97	.00
	401-15-2207	1.10	.00
=====			
JUDICIAL COMPLEX MAINTENANCE		181.80	.00
=====			
**DEPT	401-16-2229	181.80	.00
=====			
COUNTY CLERK		90.10	.00
=====			
**DEPT	401-20-2207	1.10	.00
	401-20-2219	89.00	.00
=====			
COUNTY TREASURER		305.70	.00
=====			
**DEPT	401-30-2201	30.16	.00
	401-30-2202	28.08	.00
	401-30-2207	9.52	.00
	401-30-2221	12.94	.00
	401-30-2269	225.00	.00
=====			
COUNTY SHERIFF		27,035.36	.00
=====			
**DEPT	401-50-2201	965.00	.00
	401-50-2202	8,104.86	.00
	401-50-2207	1,404.84	.00
	401-50-2212	15,000.00	.00
	401-50-2218	275.56	.00
	401-50-2219	1,285.10	.00
=====			
INFORMATION TECHNOLOGY DEPARTMEN		5,970.06	.00
=====			
**DEPT	401-65-2203	5,863.29	.00
	401-65-2218	106.77	.00
=====			
ANIMAL SHELTER		882.62	.00
=====			
**DEPT	401-82-2115	350.00	.00
	401-82-2202	29.39	.00
	401-82-2207	33.08	.00
	401-82-2208	326.69	.00
	401-82-2219	40.80	.00
	401-82-2223	102.66	.00

**TOTAL		11,522.39	.00
ROAD FUND			
**DEPT		11,396.33	.00
402-60-2207	COUNTY ROAD DEPARTMENT		.00
402-60-2244	TELECOMMUNICATIONS	302.76	.00
402-60-2607	MACHINERY MAINTENANCE/REPAIR	275.00	.00
	GRADER/EQUIPMENT LEASE	10,818.57	.00
**DEPT		126.06	.00
402-61-2221	COUNTY ROAD SHOP	126.06	.00
**TOTAL		3,361.02	.00
DISTRICT 5 VFD			
**DEPT		3,361.02	.00
405-91-2202	STATE FIRE ALLOTMENT	811.02	.00
405-91-2266	VEHICLE FUEL	2,550.00	.00
**TOTAL		3,896.64	.00
DISTRICT 2 VFD			
**DEPT		3,896.64	.00
406-91-2202	STATE FIRE ALLOTMENT	479.00	.00
406-91-2207	VEHICLE FUEL	17.64	.00
406-91-2215	TELECOMMUNICATIONS	269.90	.00
406-91-2218	BUILDING MAINTENANCE/REPAIR	48.97	.00
406-91-2248	EQUIPMENT MAINTENANCE/REPAIR	1,381.13	.00
406-91-2266	SAFETY EQUIPMENT	1,700.00	.00
**TOTAL		139.95	.00
DISTRICT 1 VFD			
**DEPT		139.95	.00
407-91-2208	STATE FIRE ALLOTMENT	139.95	.00
**TOTAL		407.99	.00
DISTRICT 3 VFD			
**DEPT		407.99	.00
408-91-2202	STATE FIRE ALLOTMENT	391.45	.00
408-91-2207	VEHICLE FUEL	16.54	.00
**TOTAL		61.37	.00
DISTRICT 4 VFD			
**DEPT		61.37	.00
409-91-2202	STATE FIRE ALLOTMENT	61.37	.00
**TOTAL		61.37	.00
COUNTY FIRE PROTECTION FUND			
**DEPT		3,481.76	.00
411-92-2219	1/4% FIRE EXCISE TAX	3,481.76	.00
411-92-2230	OFFICE SUPPLIES	195.74	.00
411-92-2248	MEDICAL SUPPLIES	240.60	.00
411-92-2266	SAFETY EQUIPMENT	585.42	.00
**TOTAL		2,460.00	.00
COUNTY FAIR			
**DEPT		350.18	.00
412-53-2208	COUNTY FAIR	350.18	.00
412-53-2221	ELECTRICITY	300.91	.00
**TOTAL		49.27	.00
FIRE DEPARTMENT ADMIN			
**DEPT		1,238.27	.00
413-91-2202	STATE FIRE ALLOTMENT	1,238.27	.00
**TOTAL		1,156.20	.00
VEHICLE FUEL			



413-91-2207	TELECOMMUNICATIONS	82.07	.00
**TOTAL	INDIGENT FUND	37,259.85	.00
**DEPT	2ND 1/8 GROSS RECEIPTS TAX	37,259.85	.00
414-19-2291	SAFETY CARE NET POOL INTERCEPT	37,259.85	.00
**TOTAL	DISTRICT 6 VFD	281.39	.00
**DEPT	STATE FIRE ALLOTMENT	281.39	.00
418-91-2202	VEHICLE FUEL	281.39	.00
**TOTAL	JAIL FUND	1,405.86	.00
**DEPT	COMMUNITY MONITORING	39.55	.00
420-73-2202	VEHICLE FUEL	23.01	.00
420-73-2207	TELECOMMUNICATIONS	16.54	.00
**DEPT	TRANSPORTATION OF PRISONERS	1,366.31	.00
420-74-2201	VEHICLE MAINTENANCE/REPAIR	1,366.31	.00
**TOTAL	CIVIL DEFENSE FUND	200.95	.00
**DEPT	COMMUNICATIONS/EMS TAX	200.95	.00
604-83-2202	VEHICLE FUEL	184.41	.00
604-83-2207	TELECOMMUNICATIONS	16.54	.00
**TOTAL	DWI PROGRAM FUND	283.30	.00
**DEPT	DWI DISTRIBUTION GRANT, FY17	175.00	.00
605-13-2266	TRAINING	175.00	.00
**DEPT	DWI LOCAL GRANT FY17	108.30	.00
605-22-2202	VEHICLE FUEL	91.76	.00
605-22-2207	TELECOMMUNICATIONS	16.54	.00
**TOTAL	PROPERTY VALUATION FUND	541.02	.00
**DEPT	COUNTY ASSESSOR	541.02	.00
610-40-2202	VEHICLE FUEL	131.02	.00
610-40-2218	EQUIPMENT MAINTENANCE/REPAIR	410.00	.00
**TOTAL	CLERK'S EQUIPMENT FUND	175.00	.00
**DEPT	COUNTY CLERK	175.00	.00
612-20-2266	TRAINING	175.00	.00
**TOTAL	HOME VISITING GRANT	151.79	.00
**DEPT	HOME VISITING GRANT FY17	151.79	.00
629-52-2205	MILEAGE/PER DIEM	85.61	.00
629-52-2207	TELECOMMUNICATIONS	66.18	.00
**TOTAL	HIGH LONESOME WIND FILT	2,024.18	.00
**DEPT	HIGH LONESOME WIND PILT	2,024.18	.00
641-09-2607	GRADER/EQUIPMENT LEASE	2,024.18	.00
**TOTAL	RURAL ADDRESSING	67.39	.00
**DEPT	RURAL ADDRESSING	67.39	.00

675-07-2202	VEHICLE FUEL	67.39	.00
**TOTAL	P&Z COURT FEES	105.19	.00
**DEPT	PLANNING & ZONING	105.19	.00
685-08-2202	VEHICLE FUEL	104.09	.00
685-08-2207	TELECOMMUNICATIONS	1.10	.00
**TOTAL	DOMESTIC VIOLENCE GRANT	89.99	.00
**DEPT	HIGH LONESOME WIND PILT	89.99	.00
690-09-2202	VEHICLE FUEL	40.45	.00
690-09-2207	TELECOMMUNICATIONS	49.54	.00
**TOTAL	IMMIGRATION & CUSTOMS ENFORCEMEN	427,859.11	.00
**DEPT	ADULT INMATE CARE	427,859.11	.00
825-70-2172	CARE OF INMATES	427,859.11	.00
**TOTAL	DISASTER -PUBLIC ASSISTANCE FUND	4,800.00	.00
**DEPT	FEMA 4152-018	4,800.00	.00
830-76-2322	PROJECT PW 037	4,800.00	.00
**TOTAL	EMERGENCY-911 FUND	1,378.57	.00
**DEPT	911-DISPATCH CENTER	1,378.57	.00
911-80-2202	VEHICLE FUEL	95.88	.00
911-80-2205	MILEAGE/PER DIEM	52.00	.00
911-80-2207	TELECOMMUNICATIONS	115.78	.00
911-80-2208	ELECTRICITY	1,114.91	.00
BANK01	WELLS FARGO	544,235.44	.00
	** BANK TOTALS **	544,235.44	.00

TOTAL CHECKS PRINTED 78

THE UNDERSIGNED MEMBERS OF THE TORRANCE COUNTY BOARD OF COMMISSIONERS DO CERTIFY THAT THE CLAIMS ENUMERATED ABOVE WERE APPROVED ALLOWED & DO AUTHORIZE THE WARRANTS AGAINST THE FUNDS OF TORRANCE COUNTY FOR THE SUM OF 77,479.37 ON ACCOUNT OF OBLIGATIONS INCURRED FOR THE SERVICES AS SHOWN ABOVE FOR THE PERIOD ENDING 05/04/2017 . WE CERTIFY THAT THE WITHIN NAMED PERSONS ARE LEGALLY ENTITLED UNDER THE CONSTITUTION OF THE STATUTES OF NEW MEXICO TO RECEIVE THE COMPENSATION STATED HEREIN. THAT THE SERVICES HAVE BEEN PERFORMED AS STATED IN THE ACCOUNTS HEREIN, THAT THEY ARE NECESSARY AND PROPER, THAT THIS VOUCHER HAS BEEN EXAMINED, THAT THE AMOUNTS CLAIMED ARE JUST, REASONABLE, AND AS AGREED AND THAT NO PART HAS BEEN PAID BY TORRANCE COUNTY.

SIGNED

ATTEST BY

-----  
James W. Frost

-----  
Javier Sanchez

-----  
Julia Ducharme

-----  
Linda Jaramillo

THE UNDERSIGNED COUNTY TREASURER DOES HEREBY CERTIFY THAT SUFFICIENT FUNDS EXIST FOR THESE ACCOUNTS PAYABLE CHECKS TO BE ISSUED ON THIS DATE AND DOES HEREBY AUTHORIZE THE FINANCE DEPARTMENT TO PROCESS THESE CHECKS.

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Tracy L. Sedillo

CK#	DATE	Name	Description	Line Item	Invoice #	PO #	Amou
01 0	99985	AIRGAS USA LLC	20 - HI VIZ FULL BRIM HARD HAT	600-06-2248	15317 05/03/2017	30981	618.86
	618.86		W/LOGO FN 34HYR			30981	
	05/04/2017		SHIPPING/HANDLING			30981	
			INVOICE # 9062479341				
RISK MANAGEMENT 618.86							
01 0	99986	AMBITIONS TECHNOLOGY GROUP LLC 1	THREE YEAR CONTRACT ON	620-94-2611	25317 05/03/2017	31054	2479.24
	3812.60		ADVANCED GATEWAY SECURITY			31054	
	05/04/2017		SUITE BUNDLE - IT			31054	
			INVOICE # 6082			31054	
			FORENSIC RECOVERY ON LAPTOP FOR	401-50-2272	35317 05/03/2017	30976	1333.36
			FELONY CASE - SHERIFF			30976	
			1112 ON 3/16/2017 TMP-170313			30976	
			INVOICE # 6072			30976	
INFRASTRUCTURE GROSS R 2479.24 COUNTY SHERIFF 1333.36							
01 0	99987	BALKE, SAOIRSE	COUNTY FAIR AWARD MONEY	412-53-2235	45317 05/03/2017	30966	15.00
	15.00		DOANTED BY CNME			30966	
	05/04/2017						
COUNTY FAIR 15.00							
01 0	99988	BLACK DUCK INC	BADGE SEWS, NAMES FOR S.O.	401-50-2236	55317 05/03/2017	30515	15.00
	15.00		FEBRUARY 2017			30515	
	05/04/2017		INVOICE # 65997				
COUNTY SHERIFF 15.00							
01 0	99989	BOOT BARN INC	18 - ANNUAL SAFETY BOOTS FOR	402-60-2248	65317 05/03/2017	30966	1696.97
	1696.97		ROAD DEPARTMENT			30966	
	05/04/2017						
COUNTY ROAD DEPARTMENT 1696.97							
01 0	99990	CABBER, BETTY	RETURN PER DIEM 4/26-28/2017	610-40-2205	79317 05/03/2017		36.40
	36.40		NMAC ASSESSOR AFFILIATE SPRING				
	05/04/2017		CONFERENCE-GALLUP, NM				
COUNTY ASSESSOR 36.40							
01 0	99991	CATERPILLAR FINANCIAL SVCS	CORPSEASE ON LOADER	641-09-2607	85317 05/03/2017		974.84
	974.84		MAY 2017				
	05/04/2017		INVOICE # 17923789				
HIGH LONESOME WIND PILL 974.84							
01 0	99992	CHIEF SUPPLY	3 - GOLLIGHT RADIORAY LED	401-50-2222	95317 05/03/2017	30956	1694.49
	1694.49		SEARCHLIGHT W/WIRELESS			30956	
	05/04/2017		HANDHELD REMOTE			30956	
			SEARCHCHA AND RESCUE LIGHTS			30956	
			INVOICE # 106159				
COUNTY SHERIFF 1694.49							
01 0	99993	COBURN AUTOMOTIVE & DIESEL	OIL CHANGE FOR HD VEHICLE	401-05-2201	105317 05/03/2017	31032	50.00
	50.00		VIN# 2CNDL23F386321470			31032	
	05/04/2017		TIRE REPAIR, REAR WIPER BLADE			31032	
			VERBAL APPROVAL BY L. OLIVAS			31032	

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amou
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## COUNTY COMMISSION

50.00

1128 ON 4/24/2017 TMP-170405

31032

01 0	99994	CODE 3 SERVICE LLC	LIGHTING AND RADIO SYSTEM FOR	604-83-2241	115317	05/03/2017	30848	3429.45
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			E.M. TRUCK				30848	
			INVOICE # 170178					

05/04/2017

## COMMUNICATIONS/EMS TAX

3429.45

01 0	99995	DE LAGE LANDEN FINANCIAL SERVICEPAYMENT, TAX, INSURANCE	COPIER LEASE	401-50-2218	125317	05/03/2017		285.25
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05/04/2017

## COUNTY SHERIFF

285.25

01 0	99996	DOMINGUEZ, JAZMINE	COUNTY FAIR AWARD MONEY	412-53-2235	135317	05/03/2017		10.00
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05/04/2017

## COUNTY FAIR

10.00

01 0	99997	DT AUTOMOTIVEBRANDON DAVIS	OIL CHANGE F150	685-08-2201	145317	05/03/2017	31024	90.00
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05/04/2017

## PLANNING &amp; ZONING

90.00

01 0	99998	DUNLAP, KRISTIN	ADVANCED PER DIEM-5/10/2017	401-50-2205	155317	05/03/2017		84.00
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05/04/2017

## COUNTY SHERIFF

84.00

01 0	99999	EAST MOUNTAIN AUTO GLASS	TINT FORD F250	420-74-2201	165317	05/03/2017	30998	350.00
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05/04/2017

			INVOICE # 22120					
			PORTABLE AIR COMPRESSOR FOR	401-50-2222	175317	05/03/2017	30985	1440.00
			UNITS					
			INVOICE # 22110					
			3 - 30 INCH LIGHT BARS	401-50-2201	185317	05/03/2017	30984	750.00
			ADDITIONAL LIGHT BARS FOR UNITS					
			INVOICE # 22109					

## TRANSPORTATION OF PRIS

350.00

COUNTY SHERIFF

2190.00

01 0	100000	EMMONS, SHELLEY	COUNTY FAIR AWARD MONEY	412-53-2235	195317	05/03/2017		10.00
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05/04/2017

## COUNTY FAIR

10.00

01 0	100001	EMW GAS ASSOCIATION	TCEB - MONTHLY GAS BILL	412-53-2209	205317	05/03/2017		118.98
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05/04/2017

			DIST.5 VFD MONTHLY GAS BILL	405-91-2209				116.61
			DIST.3 VFD MONTHLY GAS BILL	408-91-2209				129.08
			DIST.6 VFD MONTHLY GAS BILL	418-91-2209				158.76
			DISPATCH MONTHLY GAS BILL	911-80-2209				103.87
			ANIMAL SHELTER MONTHLY GAS BILL	401-82-2209				187.16
			MORIARTY/ESTANCIA SENIOR CENTER	401-05-2209				283.80
			COURTHOUSE MONTHLY GAS BILL	401-15-2209				859.61

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amount
COUNTY FAIR	118.98	STATE FIRE ALLOTMENT	404.45	911-DISPATCH CENTER	103.87			
ANIMAL SHELTER	187.16	COUNTY COMMISSION	283.80	ADMINISTRATIVE OFFICES	859.61			
JUDICIAL COMPLEX MAINT	485.49	HEALTH DEPT BLDG MAINT	78.02	COUNTY CLERK	25.18			
COUNTY ROAD SHOP	270.02							
01 0 100002	ENCINAS, NORA	COUNTY FAIR AWARD MONEY	412-53-2235		225317	05/03/2017		20.00
05/04/2017		DONATED BY CNME						
COUNTY FAIR	20.00							
01 0 100003	ESPINOSA-MOORE, BERTHA	MEETING IN SANTA FE & DELIVER HV	629-52-2205		215317	05/03/2017		164.52
05/04/2017		REP. - HOME VISIT - TCPO						
HOME VISITING GRANT FY	164.52							
01 0 100004	ESTANCIA, TOWN OF	ROAD-MONTHLY BILL	402-61-2210		235317	05/03/2017		234.66
05/04/2017		TCFB- MONTHLY BILL	412-53-2210					109.06
COUNTY ROAD SHOP	234.66	COUNTY FAIR	109.06					
01 0 100005	EVEDA/ESTANCIA VALLEY ECONOMIC	4TH. QUARTER APRIL 2017	401-05-2260		245317	05/03/2017		6250.00
05/04/2017		TORRANCE COUNTY CONTRIBUTION						
COUNTY COMMISSION	6250.00							
01 0 100006	FLEMING CHEMICAL CO INC	FLOOR WAX	401-16-2220		255317	05/03/2017	31013	244.80
05/04/2017		INVOICE # 50545						
JUDICIAL COMPLEX MAINT	244.80							
01 0 100007	GRAINGER, INC.	2 - 2.5LB CAPACITY ABC FIRE	600-06-2248		265317	05/03/2017	31018	488.72
05/04/2017		EXTINGUISHER					31018	
		2 - FIRE EXTINGUISHER BRACKET					31018	
		1 - AMBER/CLER MINI LIGHTBAR LED					31018	
		INVOICE # 9419517306						
RISK MANAGEMENT	488.72							
01 0 100008	HEIGHTS KEY LOCK & SAFE, INC.	2 - PROGRAMMED KEY FOR AC TRUCK	401-82-2218		275317	05/03/2017	31016	118.48
05/04/2017		INVOICE # 42199						
ANIMAL SHELTER	118.48							
01 0 100009	HERNANDEZ, NATALIO	COUNTY FAIR AWARD MONEY	412-53-2235		285317	05/03/2017		10.00
05/04/2017		DONATED BY CNME						
COUNTY FAIR	10.00							

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amou
01 O	100010	HONSTEIN OIL CO.	TC ANIMAL SHELTER MONTHLY FUEL	401-82-2202	295317	05/03/2017		144.34
	243.10		INVOICE # ZZ2205					
05/04/2017			ASSESSOR'S OFFICE FLEET	610-40-2202	305317	05/03/2017		98.76
			INVOICE # ZZ2205					
ANIMAL SHELTER 144.34 COUNTY ASSESSOR 98.76								
01 O	100011	HORIZONS OF NEW MEXICO	8 - PICK UPS OF MATERIALS FOR	612-20-2203	315317	05/03/2017	30080	13.13
	13.13		INVOICE # SINVO12275					
05/04/2017								
COUNTY CLERK 13.13								
01 O	100012	INDEPENDENT NEWS LLC	***REPLACES PO 30355***	628-34-2221	325317	05/03/2017		112.39
	112.39		ISSUED ON 11/07/2016					
05/04/2017			ONGOING TIRE AMNESTY AD					
			INVOICE # 76940					
GRANT PROJ#17 RAID-14 112.39								
01 O	100013	INSURANCE SERVICES OF NEW MEXICO	INSURANCE SERVICES OF NEW MEXICO	401-20-2272	335317	05/03/2017	31058	50.00
	50.00		I. JARAMILLO					
05/04/2017			INVOICE # 25142					
COUNTY CLERK 50.00								
01 O	100014	INSURANCE SERVICES OF NEW MEXICO	INSURANCE SERVICES OF NEW MEXICO	401-20-2272	345317	05/03/2017	31057	50.00
	50.00		Y. OTERO					
05/04/2017			INVOICE # 25159					
COUNTY CLERK 50.00								
01 O	100015	KXNM-FM 88.7	MAY 2017 COMMISSION MEETINGS	401-05-2243	355317	05/03/2017		1250.00
	3750.00		AND PSA'S					
05/04/2017			INVOICE # 2017-5038					
COUNTY CLERK 50.00								
01 O	100016	LOBO INTERNET SERVICES LTD	APRIL 2017 COMMISSION MEETINGS	401-05-2243	365317	05/03/2017		1250.00
	846.42		AND PSA'S					
05/04/2017			INVOICE # 2017-4046					
COUNTY COMMISSION 3750.00								
01 O	100016	LOBO INTERNET SERVICES LTD	MARCH 2017 COMMISSION MEETINGS	401-05-2243	375317	05/03/2017		1250.00
	846.42		AND PSA'S					
05/04/2017			2017-3049					
COUNTY COMMISSION 3750.00								
01 O	100016	LOBO INTERNET SERVICES LTD	ONE TIME SET UP FEE FOR	406-91-2272	385317	05/03/2017	30732	367.21
	846.42		HIGHSPEED INTERNET AT A-102					
05/04/2017			STATION					
			28 BRYANT ROAD, EDGEWOOD NM					
			87015					
			LABOR, TAX ON LABOR					
			INVOICE # 91337					
			TCFD 2,3,4,5 & FIRE ADMIN.					
			INVOICE # 91417					
			408-91-2272		395317	05/03/2017		156.15
			409-91-2272		/ /			81.15
			405-91-2272		/ /			81.15
			406-91-2272		/ /			76.15
			413-91-2272		/ /			36.15
			401-82-2272		405317	05/03/2017		48.46
			ANIMAL SHELTER MONTHLY BILL					
			INVOICE # 91515					
STATE FIRE ALLOTMENT 797.96 ANIMAL SHELTER 48.46								

CK#	DATE	Name	Description	Line Item	Invoice #	PO #	Amou
01 O	100017	LPG ENTERPRISES INC.	17 MEALS (SHERIFF'S OFFICE)	604-83-2248	415317 05/03/2017	31031	117.13
	117.13		VERBAL APPROVAL BY L. OLIVAS			31031	
05/04/2017			1801 ON 4/7/2017 TMP-170402			31031	
			INVOICE # 252,261				
=====							
COMMUNICATIONS/EMS TAX 117.13							
01 O	100018	LUCERO, AUBREY	COUNTY FAIR AWARD MONEY	412-53-2235	425317 05/03/2017		15.00
	15.00		DONATED BY CNME				
05/04/2017							
=====							
COUNTY FAIR 15.00							
01 O	100019	LUCERO, DAVAYA	COUNTY FAIR AWARD MONEY	412-53-2235	435317 05/03/2017		10.00
	10.00		DONATED BY CNME				
05/04/2017							
=====							
COUNTY FAIR 10.00							
01 O	100020	LUCERO, JESUS	RETURN PER DIEM 4/26-28/2017	610-40-2205	445317 05/03/2017		36.40
	36.40		NMAC ASSESSOR AFFILIATE SPRING				
05/04/2017			CONFERENCE - GALLUP, NM				
=====							
COUNTY ASSESSOR 36.40							
01 O	100021	LUCERO, LUCIA	TEEN/COURT PREVENTION CONTRACT	605-22-2272	455317 05/03/2017		2072.72
	2072.72		APRIL 16-30, 2017				
05/04/2017			INVOICE # 0415-017				
=====							
DWI LOCAL GRANT FY17 2072.72							
01 O	100022	MABERRY, AMBER	COUNTY FAIR AWARD MONEY	412-53-2235	465317 05/03/2017		30.00
	30.00		DOANTED BY CNME				
05/04/2017							
=====							
COUNTY FAIR 30.00							
01 O	100023	MABERRY, KASSIDY	COUNTY FAIR AWARD MONEY	412-53-2235	475317 05/03/2017		35.00
	35.00		DONATED BY CNME				
05/04/2017							
=====							
COUNTY FAIR 35.00							
01 O	100024	MARLIN BUSINESS BANK	CONTRACT PAYMENT-BIZHUB COPIER	911-80-2203	485317 05/03/2017		256.51
	256.51		INVOICE # 14931090				
05/04/2017							
=====							
911-DISPATCH CENTER 256.51							
01 O	100025	MORIARTY PIPE & IRON	WELDING MATERIALS	402-61-2250	495317 05/03/2017		89.40
	89.40		REFERENCE PO NUMBER 30861				
05/04/2017							
=====							
COUNTY ROAD SHOP 89.40							
01 O	100026	MOTOROLA INC	SERVICE CONTRACT - APRIL	911-80-2203	505317 05/03/2017		4291.19
	4291.19		INVOICE # 78383267				
05/04/2017							
=====							
911-DISPATCH CENTER 4291.19							



CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amount
01 O	100027	MOUNTAINAIR, TOWN OF	MOUNTAINAIR SENIOR CNTR. WATER	401-05-2210	515317	05/03/2017		82.00
	335.52		GAS BILL	401-05-2209		/ /		253.52
	05/04/2017							
COUNTY COMMISSION 335.52								
01 O	100028	NM ASSOCIATION OF COUNTIES	REGISTRATION FOR LEONARD LUJAN	402-60-2266	525317	05/03/2017	31027	200.00
	200.00		2017 SUMMER ANNUAL CONFERENCE				31027	
	05/04/2017		INVOICE # 1952990-101463803					
COUNTY ROAD DEPARTMENT 200.00								
01 O	100029	NM SECRETARY OF STATE	NOTARY FEE	401-21-2272	545317	05/03/2017	31056	20.00
	20.00		Y. OTERO				31056	
	05/04/2017							
ELECTIONS 20.00								
01 O	100030	NM SECRETARY OF STATE	NOTARY FEE	401-21-2272	555317	05/03/2017	31055	20.00
	20.00		L. JARAMILLO				31055	
	05/04/2017							
ELECTIONS 20.00								
01 O	100031	NWAC GIS AFFILIATE	AFFILIATE DUE'S	675-07-2269	535317	05/03/2017		50.00
	50.00		FY2018-R. GASTELUM					
	05/04/2017							
RURAL ADDRESSING 50.00								
01 O	100032	NORTHERN TOOL & EQUIPMENT CO	1 - ALLSOURCE VACBAST SIPHON	401-50-2222	565317	05/03/2017	30836	695.56
	695.56		BLASTER				30836	
	05/04/2017		1 - IRONTON BENCHTOP BUFFER				30836	
			ESTIMATED SHIPPING				30836	
COUNTY SHERIFF 695.56								
01 O	100033	NORTHERN TOOL & EQUIPMENT CO	2 - GRINDER KIT	401-50-2222	575317	05/03/2017	30955	791.12
	791.12		1 - MAKITA NIBBLER 115 VOLT 16				30955	
	05/04/2017		GUAGE				30955	
			ESTIMATED SHIPPING				30955	
			INVOICE# 37673662/FINANCE CHARGE				30955	
COUNTY SHERIFF 791.12								
01 O	100034	NORTHERN TOOL & EQUIPMENT CO	1 - LINCOLN ELECTRIC EAGLE PLUS	401-50-2222	585317	05/03/2017	30871	3784.92
	3784.92		WELDER GENERATOR				30871	
	05/04/2017		1 - LINCOLN ELECTRIC ALL TERRAIN				30871	
			RUNNING GEAR WHEEL KIT				30871	
			SHIPPING, FINANCE CHARGE				30871	
			INVOICE# 37542797/FINANCE CHARGE				30871	
COUNTY SHERIFF 3784.92								
01 O	100035	NORTHERN TOOL & EQUIPMENT CO	STRONGWAY STEEL SHELVING, BRUSH	410-50-2222	595317	05/03/2017	30713	2754.81
	2754.81		GRUBBER BOSS SUPER DUTY, PRIME				30713	
	05/04/2017		WIRE & CABLE BULLDOG TOUGH				30713	
			OUTDOOR EXTENSION CORD, VAPOR-				30713	
			TIGHT LED SHOP LIGHT, 3M METLIKS				30713	



CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amou
01 O	100044	PTD/TRD	2017 ANNUAL IAAO SCHOOL	610-40-2266	695317	05/03/2017	31075	1050.80
	1050.80		C. GARCIA - COURSE 201				31075	
	05/04/2017		S. SASNOW - COURSE 101				31075	
			JULY 24-28, 2017				31075	
			NM TECH, SOCORRO, NM				31075	
			IAAO APPRAISER SCHOOL				31075	
			CRYSTAL GARCIA				31075	
			STEVE SASNOW				31075	
COUNTY ASSESSOR 1050.80								
01 O	100045	REDBURN TIRE CO.	TIRES FOR EQUIPMENT	402-60-2244	705317	05/03/2017	30962	1727.70
	3221.09		VERBAL APPROVAL BY L. OLIVAS				30962	
	05/04/2017		843 ON 3/28/2017 TMP-170325				30962	
			INVOICE # 50093905				30962	
			PO 30756 WAS CLOSED PREMATURELY	402-60-2244	715317	05/03/2017		1493.39
			INVOICE # 50093017					
COUNTY ROAD DEPARTMENT 3221.09								
01 O	100046	RICOH USA, INC	***REPLACES PO 28393***	610-40-2203	735317	05/03/2017	29875	148.23
	296.46		1 RICOH MPCW200SP WIDE FORMAT	675-07-2203		/	29875	148.23
	05/04/2017		INVOICE # 22805561					
COUNTY ASSESSOR 148.23 RURAL ADDRESSING 148.23								
01 O	100047	RICOH USA, INC	SERVICE CONTRACT COPIER	610-40-2203	745317	05/03/2017		352.60
	352.60		INVOICE # 98643135					
COUNTY ASSESSOR 352.60								
01 O	100048	RICOH USA, INC	***REPLACES PO 29791, WHICH WAS	401-05-2203	725317	05/03/2017	30551	917.26
	917.26		BLACK & WHITE IMAGES COLOR					
	05/04/2017		INVOICE # 5048232535					
COUNTY COMMISSION 917.26								
01 O	100049	RICOH USA, INC	***REPLACES PO 28745***	402-60-2203	755317	05/03/2017	29850	71.93
	71.93		MAY 2017					
	05/04/2017		INVOICE # 22805562					
COUNTY ROAD DEPARTMENT 71.93								
01 O	100050	RICOH USA, INC	PERIODIC PAYMENT FOR COPIER	605-22-2272	765317	05/03/2017		197.11
	197.11		MAY 1-MAY 31, 2017					
	05/04/2017		INVOICE # 22805564					
DWI LOCAL GRANT FY17 197.11								
01 O	100051	RICOH USA, INC	PO# 30551 WAS CLOSED PREMATURELY	401-05-2203	775317	05/04/2017		413.16
	413.16		PERIODIC PAYMENT MAY 2017					
	05/04/2017		INVOICE # 22805563					
COUNTY COMMISSION 413.16								
01 O	100052	SOSA, ALANA	COUNTY FAIR AWARD MONEY	412-53-2235	785317	05/04/2017		40.00
	40.00		DONATED BY CNME					
	05/04/2017							

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amount
01 O	100053	COUNTY FAIR						40.00
01 O	100053	STAPLES BUSINESS ADVANTAGE	4 - GARMIN GPS	401-50-2222	795317	05/04/2017	30954	1039.96
05/04/2017			INVOICE # 3337306688					
01 O	100054	COUNTY SHERIFF						1039.96
05/04/2017			STAPLES BUSINESS ADVANTAGE		805317	05/04/2017	30987	50.36
01 O	100054		DURACELL AA BATTERIES AND CAMERA BATTERY; STAPLERS, RUBBER BANDS, SELF ADHESIVE PRONGS, DESKTOP COPY HOLDER	600-06-2219				30987
05/04/2017			HEAVY DUTY BINDERS, WIRELESS MICE	610-40-2219				30987
			INVOICE # 3336712184					30987
01 O	100055	RISK MANAGEMENT	COUNTY ASSESSOR					98.44
05/04/2017			STAPLES BUSINESS ADVANTAGE	604-83-2219	815317	05/04/2017	30931	511.21
			3 - HP LASERJET INK CARTRIDGES (HP55A)					30931
			1 - STAPLER					30931
			4 - OPTIFLOW ROLLERBALL FINE POINT PEN					30931
			1 - HANGING FILE FOLDERS LEGAL					30931
			INVOICE # 3336381430					30931
01 O	100056	COMMUNICATIONS/EMS TAX	EVALUATION, PLANNING, PREVENTION	605-09-2272	825417	05/04/2017	30888	1800.00
05/04/2017			OVERSIGHT					30888
			MARCH 16 - APRIL 30, 2017					30888
			INVOICE # TC03044-2017					
01 O	100057	HIGH LONESOME WIND P/L	PARTS AND HARDWARE FOR BUILDING	401-15-2215	835317	05/04/2017	30950	182.66
05/04/2017			MAINTENANCE					30950
			PARTS AND HARDWARE FOR VEHICLE	401-15-2201				30950
			MAINTENANCE					30950
			APRIL 2017					30950
01 O	100058	ADMINISTRATIVE OFFICES	COUNTY FAIR AWARD MONEY	412-53-2235	845317	05/04/2017		40.00
05/04/2017			DONATED BY CNME					
01 O	100059	COUNTY FAIR	LEGAL SERVICES - APRIL	401-05-2275	855317	05/04/2017		9889.19
05/04/2017			INVOICE # 7974 -GENERAL BUSINESS					
			INVOICE # 7960 -FILLIPPI					
01 O	100060	COUNTY COMMISSION	CASE MANAGEMENT	635-67-2272	865317	05/04/2017		4360.00
05/04/2017			JIFF					
			FOLLOW-UP - GIRLS CIRCLE					
			BOYS COUNCIL					

CK#	DATE	Name	Description	Line Item	Invoice #	DATE	PO #	Amou
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		YFD JUVENILE JUSTICE	4360.00					
		WASTE MANAGEMENT OF NM INC.						
010	100061			401-82-2210	875317	05/04/2017		115.36
		ANIMAL SHELTER MONTHLY TRASH						
		PICK-UP MAY, 2017						
		INVOICE # 8620951-0573-0						

		ANIMAL SHELTER	115.36					
		WEST MESA EMERGENCY PRODUCTS LIGHT DECALS		420-74-2201	885317	05/04/2017	31050	320.00
		UNASSIGNED FORD F-250					31050	
		INVOICE # 4287						

TRANSPORTATION OF PRIS								320.00
78			77479.37	/	/			TOTAL

** GRAND TOTAL **		77,479.37	.00
**TOTAL	GENERAL FUND	37,928.52	.00
**DEPT	COUNTY COMMISSION	22,893.93	.00
401-05-2201	VEHICLE MAINTENANCE/REPAIR	50.00	.00
401-05-2203	MAINTENANCE CONTRACTS	1,330.42	.00
401-05-2206	POSTAGE	1,005.00	.00
401-05-2209	HEATING/GAS/PROPANE	537.32	.00
401-05-2210	WATER/SEWER/TRASH	82.00	.00
401-05-2243	KXNM COMMUNITY FOUNDATION 501C3	3,750.00	.00
401-05-2260	EVEDA	6,250.00	.00
401-05-2275	LEGAL SERVICES	9,889.19	.00
**DEPT	COUNTY MANAGER	8.00	.00
401-10-2207	TELECOMMUNICATIONS	8.00	.00
**DEPT	ADMINISTRATIVE OFFICES MAINTENAN	1,042.27	.00
401-15-2209	HEATING/GAS/PROPANE	859.61	.00
401-15-2215	BUILDING MAINTENANCE/REPAIR	182.66	.00
**DEPT	JUDICIAL COMPLEX MAINTENANCE	730.29	.00
401-16-2209	HEATING/GAS/PROPANE	485.49	.00
401-16-2220	CLEANING SUPPLIES	244.80	.00
**DEPT	COUNTY CLERK	100.00	.00
401-20-2272	PROFESSIONAL SERVICES	100.00	.00
**DEPT	ELECTIONS	40.00	.00
401-21-2272	PROFESSIONAL SERVICES	40.00	.00
**DEPT	HEALTH DEPT BLDG MAINTENANCE	78.02	.00
401-24-2209	HEATING/GAS/PROPANE	78.02	.00
**DEPT	COUNTY TREASURER	.90	.00
401-30-2207	TELECOMMUNICATIONS	.90	.00
**DEPT	COUNTY ASSESSOR	1.13	.00
401-40-2207	TELECOMMUNICATIONS	1.13	.00
**DEPT	COUNTY SHERIFF	12,420.18	.00
401-50-2201	VEHICLE MAINTENANCE/REPAIR	750.00	.00
401-50-2205	MILEAGE/PER DIEM	84.00	.00
401-50-2207	TELECOMMUNICATIONS	6.55	.00
401-50-2218	EQUIPMENT MAINTENANCE/REPAIR	285.25	.00
401-50-2222	FIELD SUPPLIES	9,446.05	.00
401-50-2231	WEAPONS/AMMUNITION	499.97	.00
401-50-2236	UNIFORMS	15.00	.00
401-50-2272	PROFESSIONAL SERVICES	1,333.36	.00
**DEPT	ANIMAL SHELTER	613.80	.00
401-82-2202	VEHICLE FUEL	144.34	.00
401-82-2209	HEATING/GAS/PROPANE	187.16	.00
401-82-2210	WATER/SEWER/TRASH	115.36	.00
401-82-2218	EQUIPMENT MAINTENANCE/REPAIR	118.48	.00
401-82-2272	PROFESSIONAL SERVICES	48.46	.00
**TOTAL	ROAD FUND	5,784.07	.00
**DEPT	COUNTY ROAD DEPARTMENT	5,189.99	.00

402-60-2203	MAINTENANCE CONTRACTS	71.93	.00
402-60-2244	MACHINERY MAINTENANCE/REPAIR	3,221.09	.00
402-60-2248	SAFETY EQUIPMENT	1,696.97	.00
402-60-2266	TRAINING	200.00	.00
**DEPT	COUNTY ROAD SHOP	594.08	.00
402-61-2209	HEATING/GAS/PROPANE	270.02	.00
402-61-2210	WATER/SEWER/TRASH	234.66	.00
402-61-2250	SHOP SUPPLIES	89.40	.00
**TOTAL	DISTRICT 5 VFD	197.76	.00
**DEPT	STATE FIRE ALLOTMENT	197.76	.00
405-91-2209	HEATING/GAS/PROPANE	116.61	.00
405-91-2272	PROFESSIONAL SERVICES	81.15	.00
**TOTAL	DISTRICT 2 VFD	443.36	.00
**DEPT	STATE FIRE ALLOTMENT	443.36	.00
406-91-2272	PROFESSIONAL SERVICES	443.36	.00
**TOTAL	DISTRICT 3 VFD	285.23	.00
**DEPT	STATE FIRE ALLOTMENT	285.23	.00
408-91-2209	HEATING/GAS/PROPANE	129.08	.00
408-91-2272	PROFESSIONAL SERVICES	156.15	.00
**TOTAL	DISTRICT 4 VFD	81.15	.00
**DEPT	STATE FIRE ALLOTMENT	81.15	.00
409-91-2272	PROFESSIONAL SERVICES	81.15	.00
**TOTAL	L. E. PROTECTION FUND	2,754.81	.00
**DEPT	COUNTY SHERIFF	2,754.81	.00
410-50-2222	FIELD SUPPLIES	2,754.81	.00
**TOTAL	COUNTY FIRE PROTECTION FUND	45.90	.00
**DEPT	1/4% FIRE EXCISE TAX	45.90	.00
411-92-2272	PROFESSIONAL SERVICES	45.90	.00
**TOTAL	COUNTY FAIR	463.04	.00
**DEPT	COUNTY FAIR	463.04	.00
412-53-2209	HEATING/GAS/PROPANE	118.98	.00
412-53-2210	WATER/SEWER/TRASH	109.06	.00
412-53-2235	AWARDS FOR COUNTY FAIR	235.00	.00
**TOTAL	FIRE DEPARTMENT ADMIN	36.15	.00
**DEPT	STATE FIRE ALLOTMENT	36.15	.00
413-91-2272	PROFESSIONAL SERVICES	36.15	.00
**TOTAL	DISTRICT 6 VFD	158.76	.00
**DEPT	STATE FIRE ALLOTMENT	158.76	.00
418-91-2209	HEATING/GAS/PROPANE	158.76	.00
**TOTAL	JAIL FUND	670.00	.00
**DEPT	TRANSPORTATION OF PRISONERS	670.00	.00

420-74-2201	VEHICLE MAINTENANCE/REPAIR	670.00	.00
**TOTAL	SAFETY PROGRAM	2,466.94	.00
**DEPT	RISK MANAGEMENT	2,466.94	.00
600-06-2219	OFFICE SUPPLIES	50.36	.00
600-06-2248	SAFETY EQUIPMENT	2,416.58	.00
**TOTAL	CIVIL DEFENSE FUND	4,057.79	.00
**DEPT	COMMUNICATIONS/EMS TAX	4,057.79	.00
604-83-2219	OFFICE SUPPLIES	511.21	.00
604-83-2241	COMMUNICATION/MAINTENANCE/REPA	3,429.45	.00
604-83-2248	SAFETY EQUIPMENT	117.13	.00
**TOTAL	DWI PROGRAM FUND	4,069.83	.00
**DEPT	HIGH LONESOME WIND PILT	1,800.00	.00
605-09-2272	PROFESSIONAL SERVICES	1,800.00	.00
**DEPT	DWI LOCAL GRANT FY17	2,269.83	.00
605-22-2272	PROFESSIONAL SERVICES	2,269.83	.00
**TOTAL	PROPERTY VALUATION FUND	1,821.63	.00
**DEPT	COUNTY ASSESSOR	1,821.63	.00
610-40-2202	VEHICLE FUEL	98.76	.00
610-40-2203	MAINTENANCE CONTRACTS	500.83	.00
610-40-2205	MILEAGE/PER DIEM	72.80	.00
610-40-2219	OFFICE SUPPLIES	98.44	.00
610-40-2266	TRAINING	1,050.80	.00
**TOTAL	CLERK'S EQUIPMENT FUND	39.03	.00
**DEPT	COUNTY CLERK	39.03	.00
612-20-2203	MAINTENANCE CONTRACTS	13.13	.00
612-20-2207	TELECOMMUNICATIONS	.72	.00
612-20-2308	VOTING MACHINE STORAGE	25.18	.00
**TOTAL	COUNTY INFRASTRUCTURE GRT	2,479.24	.00
**DEPT	INFRASTRUCTURE GROSS RECEIPTS TX	2,479.24	.00
620-94-2611	CO/BUILDINGS & IMPROVEMENTS	2,479.24	.00
**TOTAL	RECYCLING & ILLEGAL DUMPING GRAN	112.39	.00
**DEPT	GRANT PROJ#17 RAID-14	112.39	.00
628-34-2221	PRINTING/PUBLISHING/ADVERTISING	112.39	.00
**TOTAL	HOME VISITING GRANT	579.87	.00
**DEPT	HOME VISITING GRANT FY17	579.87	.00
629-52-2205	MILEAGE/PER DIEM	579.87	.00
**TOTAL	JUVENILE JUSTICE GRANT	7,014.99	.00
**DEPT	HIGH LONESOME WIND PILT	54.99	.00
635-09-2219	OFFICE SUPPLIES	54.99	.00
**DEPT	CYFD JUVENILE JUSTICE GRANT FY17	6,960.00	.00
635-67-2272	PROFESSIONAL SERVICES	6,960.00	.00



	DEBITS	CREDITS
**TOTAL	974.84	.00
HIGH LONESOME WIND PILT		
**DEPT	974.84	.00
641-09-2607	974.84	.00
HIGH LONESOME WIND PILT		
GRADER/EQUIPMENT LEASE		
**TOTAL	198.23	.00
RURAL ADDRESSING		
**DEPT	198.23	.00
675-07-2203	148.23	.00
675-07-2269	50.00	.00
MAINTENANCE CONTRACTS		
MEMBERSHIP DUES/SUBSCRIPTIONS		
**TOTAL	90.00	.00
P&Z COURT FEES		
**DEPT	90.00	.00
685-08-2201	90.00	.00
PLANNING & ZONING		
VEHICLE MAINTENANCE/REPAIR		
**TOTAL	4,725.84	.00
EMERGENCY-911 FUND		
**DEPT	4,725.84	.00
911-80-2203	4,547.70	.00
911-80-2207	74.27	.00
911-80-2209	103.87	.00
MAINTENANCE CONTRACTS		
TELECOMMUNICATIONS		
HEATING/GAS/PROPANE		
BANK01	77,479.37	.00
WELLS FARGO	77,479.37	.00
** BANK TOTALS **		



*Agenda Item  
No. 1*

Application for Zoning Ordinance Amendment

Special Use District

La Joya & Lucia Energy Project

→ *Additional Information* ←

**Stacy, Mark**

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**From:** noreply@faa.gov  
**Sent:** Wednesday, March 29, 2017 2:06 PM  
**To:** Stacy, Mark; kendra.kallevig-childers@dnvgl.com  
**Subject:** Status of FAA Filing

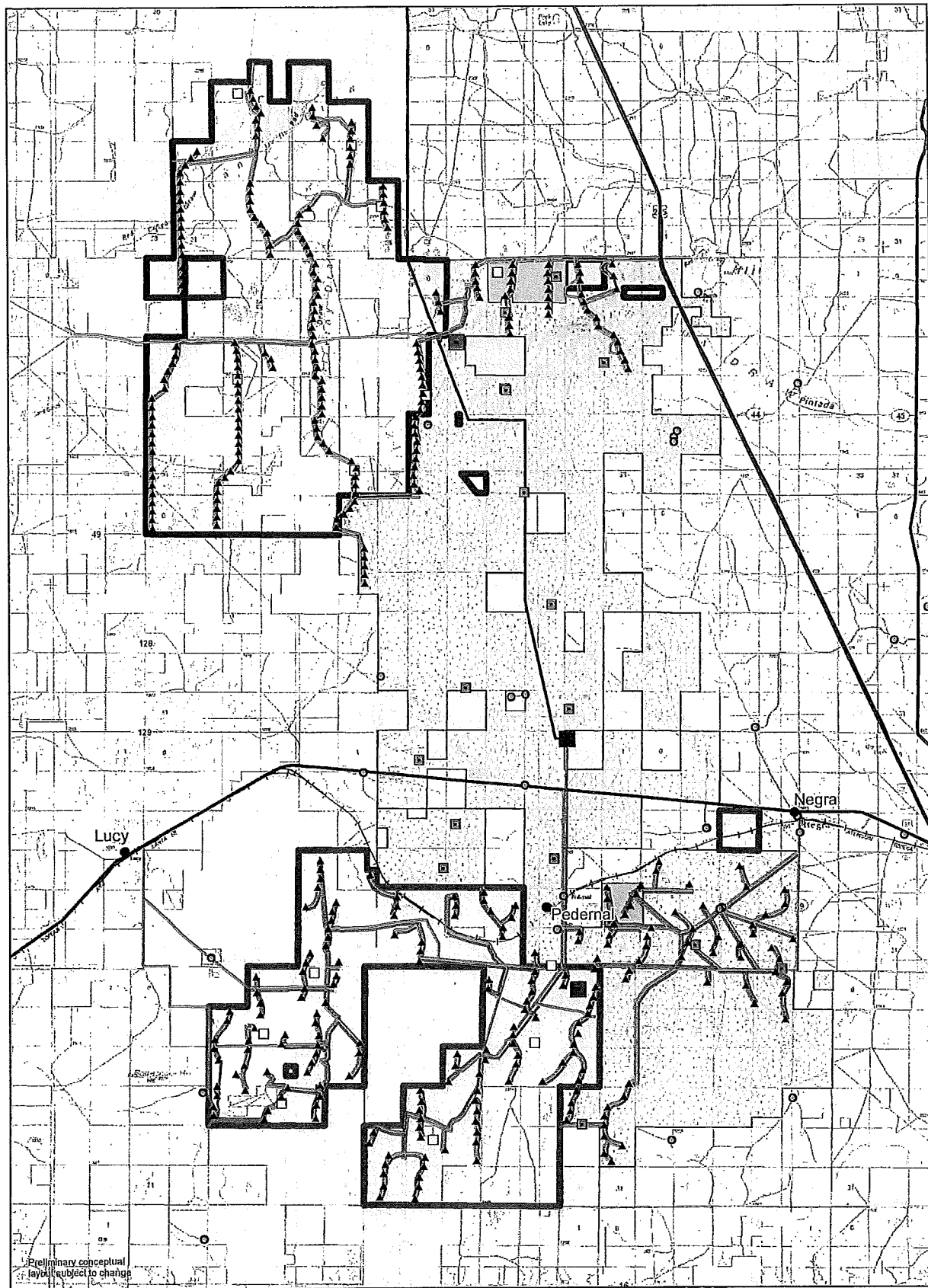
Your filing is assigned Aeronautical Study Number(s) (ASN): 2017-WTW-3060-OE, 2017-WTW-3061-OE, 2017-WTW-3062-OE, 2017-WTW-3063-OE, 2017-WTW-3064-OE, 2017-WTW-3065-OE, 2017-WTW-3066-OE, 2017-WTW-3067-OE, 2017-WTW-3068-OE, 2017-WTW-3069-OE, 2017-WTW-3070-OE, 2017-WTW-3071-OE, 2017-WTW-3072-OE, 2017-WTW-3073-OE, 2017-WTW-3074-OE.

To review your electronic record, go to our website [oeaaa.faa.gov](http://oeaaa.faa.gov) and select the Search Archives link to locate your case using the assigned Aeronautical Study Number (ASN). Copies of your letter are available on the website for your convenience.

The FAA verified your filing and an aeronautical study has been initiated. Please allow a minimum 45 days for the FAA to complete the study. Please refer to the assigned ASN on all future inquiries regarding this filing.

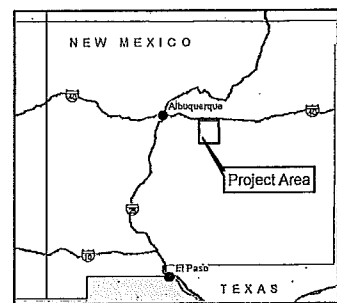
For Wind Turbine proposals only, please ensure Wind Turbine Data as described on the project summary page in your registered e-filing account has been uploaded to your filing.

*To ensure e-mail notifications are delivered to your inbox please add [noreply@faa.gov](mailto:noreply@faa.gov) to your address book. Notifications sent from this address are system generated FAA e-mails and replies to this address will NOT be read or forwarded for review. Each system generated e-mail will contain specific FAA contact information in the text of the message.*



**LEGEND**

- |  |                              |  |                           |
|--|------------------------------|--|---------------------------|
|  | Proposed Met Tower           |  | City/Town                 |
|  | Existing Met Tower           |  | El Cabo Transmission Line |
|  | Substation                   |  | Collection Line           |
|  | OM Building                  |  | Access Road               |
|  | El Cabo Substation           |  | Highway                   |
|  | Turbine                      |  | Street                    |
|  | Sensitive Receptor           |  | Railroad                  |
|  | La Joya Special Use District |  | BLM                       |
|  | Lucia Special Use District   |  | State                     |
|  | El Cabo Special Use District |  | Private                   |
|  | Solar Array Location         |  |                           |



**La Joya and Lucia Energy Project**

**Project Overview**



EXHIBIT A

99 Cattle

DESCRIPTION OF PROPERTY

All that real property located in Torrance County, New Mexico, described as follows:

Township 4 North, Range 11 East

South ½ of Northeast ¼ and North ½ of Southeast ¼ of Section 21

South ½ of Northwest ¼, Northeast ¼ of Northwest ¼ and West ½ of Northeast ¼ of Section 22

(Total: 360 acres)

Total Acreage: Approximately 360 acres

Luna

All that real property located in Torrance County, New Mexico, described as follows:

In Township 4 North, Range 12 East of the New Mexico Prime Meridian (N.M.P.M.):

Sec. 22: All

Sec. 23: All

Sec. 26: All

Sec. 27: All

Sec. 33: All

Sec. 34: All

Sec. 35: All

Total Acreage: Approximately 4,480 acres

Double Arrow

All that real property located in Torrance County, New Mexico, described as follows:

In Township 7 North, Range 11 East of the New Mexico Prime Meridian:

Sections 3, 4, 8, 9: All


Total Acreage: Approximately 2,560 acres

Torrance County Planning & Zoning  
PO Box 48  
205 9<sup>th</sup> Street  
Estancia, NM, 87016

Board Members:

This letter serves to acknowledge that I, Ronnie Herral, on behalf of 99 Cattle Company, a New Mexico general partnership, am actively negotiating a wind energy lease agreement between 99 Cattle Company and Pacific Wind Development LLC in connection with the property described below (the "Property"). In connection with this effort, I wish to have the Property included in the Torrance County Special Use District proposed for the Lucia Wind Project.

Signed,

  
Ronnie Herral

Date: 4/3/17

All that real property located in Torrance County, New Mexico, described as follows:

Township 4 North, Range 11 East, NMPM  
Section 21: S $\frac{1}{2}$ NE $\frac{1}{4}$  and N $\frac{1}{2}$ SE $\frac{1}{4}$   
Section 22: S $\frac{1}{2}$ NW $\frac{1}{4}$ ; NE $\frac{1}{4}$ NW $\frac{1}{4}$ ; and W $\frac{1}{2}$ NE $\frac{1}{4}$

*As the same is shown and designated on that certain Plat prepared by Christopher S. Croshaw L.S. No. 14733 on October 16, 2009, filed for record on November 12, 2009 at 2:02 o'clock p.m. as Document No. 2093668 and filed in Cabinet F, Slide 163, Plat Records of Torrance County, New Mexico*

Total Acreage: 360 acres

MEMORANDUM OF WIND ENERGY LEASE AGREEMENT  
(Luna)

This MEMORANDUM OF WIND ENERGY LEASE AGREEMENT (this "Memorandum") is made, effective as of April 4, 2017 (the "Effective Date"), by and between DWIGHT E. LUNA and PATRICIA F. LUNA, husband and wife, whose address is 42 Eagle Trail, Tijeras, NM 87059 ("Landowner") and PACIFIC WIND DEVELOPMENT LLC, an Oregon limited liability company, whose address is Attn: Land Management, 1125 NW Couch Street, Suite 700, Portland, Oregon 97209 ("Lessee").

RECITALS

A. Landowner and Lessee are parties to that certain Wind Energy Lease Agreement, dated of even date herewith (the "Agreement"), pursuant to which Landowner has leased to Lessee the real property of Landowner (the "Property") located in Torrance County, New Mexico, as more particularly described on Exhibit A attached hereto and which Agreement and said Exhibit A are hereby incorporated herein as if fully set forth in this Memorandum.

B. Landowner and Lessee have executed and acknowledged this Memorandum for the purpose of providing constructive notice of the Agreement. Capitalized terms not otherwise defined in this Memorandum shall have the meanings provided in the Agreement.

AGREEMENT

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landowner and Lessee hereby agree, as follows:

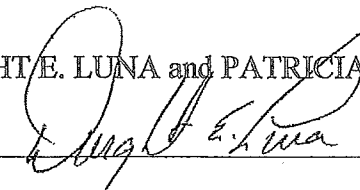
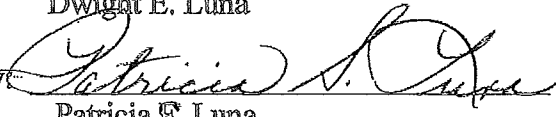
1. Lease. Pursuant to the Agreement, Landowner leases and continues to lease the Property to Lessee, on the terms provided herein.

2. Purpose of the Lease; Permitted Uses. The lease created by the Agreement is solely and exclusively for wind energy purposes. Throughout the term of the Agreement, Lessee shall have the sole and exclusive rights to use the Property for wind energy purposes. For purposes of the Agreement, "wind energy purposes" means wind resource evaluation, wind energy development, converting wind energy into electrical energy, collecting and transmitting the electrical energy converted from wind energy, together with any and all activities related thereto, including, without limitation, (a) extracting soil samples, performing geotechnical tests, and conducting such other tests, studies, inspections, and analyses on the Property as Lessee deems necessary, useful or appropriate; (b) determining the feasibility of wind energy conversion and other power generation on the Property, including conducting studies of wind speed, wind direction and collecting other meteorological data; (c) constructing, installing, using, replacing, relocating and removing from time to time, and maintaining and operating the following: wind turbines; overhead and underground electrical transmission and communications lines; electric transformers; staging areas for the assembly of equipment; energy storage facilities; office facilities; operations and maintenance buildings; one or more substations or interconnection or switching facilities from which Lessee may interconnect to a utility transmission system or the



IN WITNESS WHEREOF, Landowner and Lessee have caused this Memorandum to be executed as of the Effective Date and delivered by their duly authorized representatives.

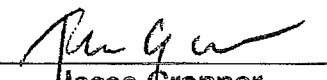
LANDOWNER:

DWIGHT E. LUNA and PATRICIA F. LUNA  
By:   
Dwight E. Luna  
By:   
Patricia F. Luna

LESSEE:

LEGAL  
KER

PACIFIC WIND DEVELOPMENT LLC,  
an Oregon limited liability company

By:   
Name: Jesse Gronner  
Title: Authorized Representative

By:   
Name: Jeremy Aird  
Title: Authorized Representative

EXHIBIT A  
TO  
MEMORANDUM OF WIND ENERGY LEASE AGREEMENT  
(Luma)

Legal Description of Property

All that real property located in Torrance County, New Mexico, described as follows:

In Township 4 North, Range 12 East of the New Mexico Prime Meridian (N.M.P.M.):

- Sec. 22: All
- Sec. 23: All
- Sec. 26: All
- Sec. 27: All
- Sec. 33: All
- Sec. 34: All
- Sec. 35: All

**AFFIDAVIT of PUBLICATION**

Todd Dickson, being first duly sworn, deposes and says that he is editor of the **Mountain View Telegraph**, printed and published each week in the County of Torrance, State of New Mexico, and of general circulation in the town of Moriarty, County of Torrance, State of New Mexico and elsewhere, and the hereto attached

**NOTICE**

During the regular meeting on May 10, 2017 at 9:00 a.m. the Torrance County Commission will hold a Public Hearing to consider the application for a Special Use change in zoning to allow Pacific Wind, LLC to develop a Wind & Solar energy generating facility. The project sites are described as: **La Joya project private lands:** Arnsley Ranch within or portions of Sections 8 through 10, 14 through 17, 19 through 27, and 30 through 36, T.8N., R.11E. NMPM. The Wrye Ranch within or portions of Sections 2 through 6, T.6N., R.11E., 2, 11, 12, 14, 16, 21 through 27, 31 through 36 T.7N., R.11E., 12 and 36, T.7N., R.11 1/2 E., and 6 & 7 T.7N., R.12 E. NMPM. The Double Arrow Ranch all of Sections 3, 4, 8, & 9 T.7N., R.11E. NMPM. **Lucia project private lands:** Harral Ranch within portions of Sections 21 and 22, T.4N., R.11E., NMPM. The Luna Ranch Sections 22, 23, 26, 27, 33, 34, and 35, T.4N., R.12E., NMPM. **State Land leases** affecting both projects include lands within or portions of the following sections, townships, and ranges: Sections 1, 12, 13, & 24, T.7N., R.11.5E., NMPM, Sections 2, 16, 17, 18, 19 & 32 T.7N., R.12E., NMPM, Sections 1, 12, 13, & 24, T.8N., R.11E. NMPM, Sections 1, 12, 13, 24, 25, & 36 T.9N., R.11E., NMPM. Section 6, T.9N., R.12E., NMPM. Sections 16, 32, & 36 T.6N., R.12E., NMPM. Section 32, T.6N., R.13E., NMPM. Sections 2, 6, 18, & 28 through 33, T.5N., R.12E., NMPM. Sections 23 through 26, 35, & 36 T.5N., R.11E., NMPM. Sections 4, 16, & 18 T.5N., R.13E., NMPM. Sections 1 through 3, 9 through 16, 21 through 23, T.4N., R.11E., NMPM. Sections 1 through 3, 10 through 16, 20, 21, 28 through 32, T.4N., R.12E., NMPM.

Mountain View Telegraph  
April 13 & 27, 2017

(MEXICO)

:SS

(TORRANCE)

was printed and published correctly in the regular and entire issue of said **MOUNTAIN VIEW TELEGRAPH** for 2 issue(s), that the first was made on the 13 day of April, 2017, and subsequent publications being: and the 27 day of April 2017

Request of **MOUNTAIN VIEW TELEGRAPH**

By  
Affiant

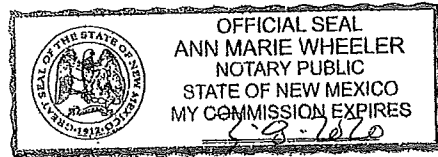
*Todd Dickson*

Subscribed and sworn to me the 27 day of April, 2017  
in the County of Torrance, State of New Mexico.

*Ann Marie Wheeler*  
Ann Marie Wheeler  
Notary Public

Notary Public in and for County of Torrance, State of New Mexico  
My Commission Expires: March 8, 2020

Seal



# PURCHASE ORDER

31029

ADDRESS ALL CORRESPONDENCE TO:

**TORRANCE COUNTY**  
ATTN:ACCOUNTS PAYABLE  
P.O. BOX 48  
ESTANCIA, NEW MEXICO 87016

WWW.TORRANCECOUNTYNM.ORG

**NOTICE:** This order number must appear on all invoices and shipping containers. Invoices are to be issued in DUPLICATE and CERTIFIED as follows:  
"I certify that the above bill is correct and just and that no payment therefore has been received. No state or local taxes included.

By: \_\_\_\_\_

UNIT	QUANTITY	ARTICLE AND DESCRIPTION	LINE ITEM	EST. ACTUAL COST
		PUBLIC NOTICE FOR MAY 10 PUBLIC HEARING - PACIFIC WIND SU 2 EDITION RUN 4/26 AND 5/3	401-08-2221	87.00
				87.00

TO BE PAID FROM:

VENDOR: 2630  
INDEPENDENT NEWS LLC  
THE INDEPENDENT  
P O BOX 1056  
EDGEWOOD NM 87015

PURCHASE ORDER NO.  
31029

DATE  
4/20/17

*Leslie Oliver*  
PURCHASING AGENT SIGNATURE



***Torrance County***  
***Planning & Zoning***

*P.O. Box 48*  
*205 9<sup>th</sup> Street*  
*Estancia, NM 87016*  
*(505) 544-4393 Main Line (505) 384-5294 Fax*  
[www.torrancecountynm.org](http://www.torrancecountynm.org)

May 1, 2017

Re: Public Hearing for Special Use change in zoning

To Whom It May Concern:

This letter is to inform you that Pacific Wind Development, LLC has applied for a Special Use change in zoning for their La Joya and Lucia wind farm projects which are expansions to the existing El Cabo wind project. The Public Hearing will be held by the Torrance County Commission during their regular meeting on May 10, 2017. The meeting will begin at 9:00 a.m. and will be held at the Torrance County Administration Building, 205 9<sup>th</sup> Street, Estancia, NM.

If you would like to voice an opinion in support of or in opposition to these applications please plan to attend, have a representative attend in your place, or send an email or letter marked Attention: Planning & Zoning Director to the above address.

If you have any questions or concerns, please contact me at (505) 544-4391 or [sguetschow@tcnm.us](mailto:sguetschow@tcnm.us)

Regards,

A handwritten signature in black ink, appearing to read 'Steve Guetschow'.

Steve Guetschow  
Planning & Zoning Director

# TORRANCE COUNTY

NOTICE OF ACTION ON Facile Wind La Jolla Project  
with Multiple Sections of Ansley & Wrye Ranches  
FOR W/IN 1.8N, R.11E & T.7N, R.11, 11 1/2 & 12 E. - Call for  
Section 5 Reciprolic Change Zoning for Windfarm  
List of Properties - 5 Reciprolic Change Zoning for Windfarm

THE COUNTY ZONING BOARD HAS SCHEDULED A PUBLIC MEETING ON (DATE/TIME)  
~~MARCH 1, 2017 9:30 AM TO BE AT 6445 HWY 160~~ **DO**  
THE COUNTY HAS SCHEDULED A PUBLIC MEETING ON (DATE/TIME) **PASS**

THE COUNTY HAS SCHEDULED A PUBLIC HEARING ON (DATE/TIME)  
**MAY 18, 2017 9:00 am**  
AT THE COUNTY ADMINISTRATIVE BUILDING  
FOR INFORMATION CALL (505) 544-4391 OR FAX (505) 384-5294  
THIS SIGN SHALL BE POSTED

FROM 214 TO 5725  
IT IS ILLEGAL FOR AN UNAUTHORIZED PERSON TO REMOVE OR TAMPER WITH THIS SIGN  
04/18/2017 14:23

1,5000 DAVIS / E 5400 DAVIS / N 5400 DAVIS / J ENR



# TORRANCE COUNTY

NOTICE OF ACTION ON PACIFIC WIND  
LUCIA PROJECT & LORAY PROJECT  
FOR LUCIA STATE LANDS W/INT. 5 N. RILLIZE T. 4 N. R. 14. 12E+  
SPECIAL USE ZONING FOR WIND FARM

THE COUNTY ZONING BOARD HAS SCHEDULED A PUBLIC MEETING ON (DATE/TIME)  
~~MAY 11, 2017 9:30 AM TO 11:30 AM~~  
THE COUNTY HAS SCHEDULED A PUBLIC MEETING ON (DATE/TIME)  
MAY 10, 2017 9:00 AM

THE COUNTY HAS SCHEDULED A PUBLIC HEARING ON (DATE/TIME)  
MAY 10, 2017 9:00 AM  
AT THE COUNTY ADMINISTRATIVE BUILDING  
FOR INFORMATION CALL (505) 544-4391 OR FAX (505) 384-5294  
THIS SIGN SHALL BE POSTED 04/18/2017 15:42

FROM 2/15/17 TO 5/1/17  
IT IS ILLEGAL FOR AN UNAUTHORIZED PERSON TO REMOVE OR TAMPER WITH THIS SIGN  
LA Luvy Rd South

# TORRANCE COUNTY

NOTICE OF ACTION ON RICIEC WIND ENERGY  
PROTECT, LUCIA PROTECT ON BASKLEY & WRYE RANCHES  
FOR TOWNSHIP 8N, R. 1E & T. 7N, RANGES 11, 11 1/2 & 12 E.  
SPECIAL USE CHANGE IN ZONING FOR WIND FARM

THE COUNTY ZONING BOARD HAS SCHEDULED A PUBLIC MEETING ON (DATE/TIME)  
~~MARCH 1, 2017 9:30 AM DO PASS~~  
THE COUNTY HAS SCHEDULED A PUBLIC MEETING ON (DATE/TIME)

THE COUNTY HAS SCHEDULED A PUBLIC HEARING ON (DATE/TIME)  
MAY 18, 2017 9:00 AM

AT THE COUNTY ADMINISTRATIVE BUILDING  
FOR INFORMATION CALL (505) 544-4391 OR FAX (505) 384-5294  
THIS SIGN SHALL BE POSTED

FROM 2/15 TO ~~5/11~~ 04/18/2017 15 26  
IT IS ILLEGAL FOR AN UNAUTHORIZED PERSON TO REMOVE OR TAMPER WITH THIS SIGN

1.009 KN 1620712



TRANS. LINE  
CARE

03/02/2016 11:06

WRYE RANCH LOOKING S. S. EAST





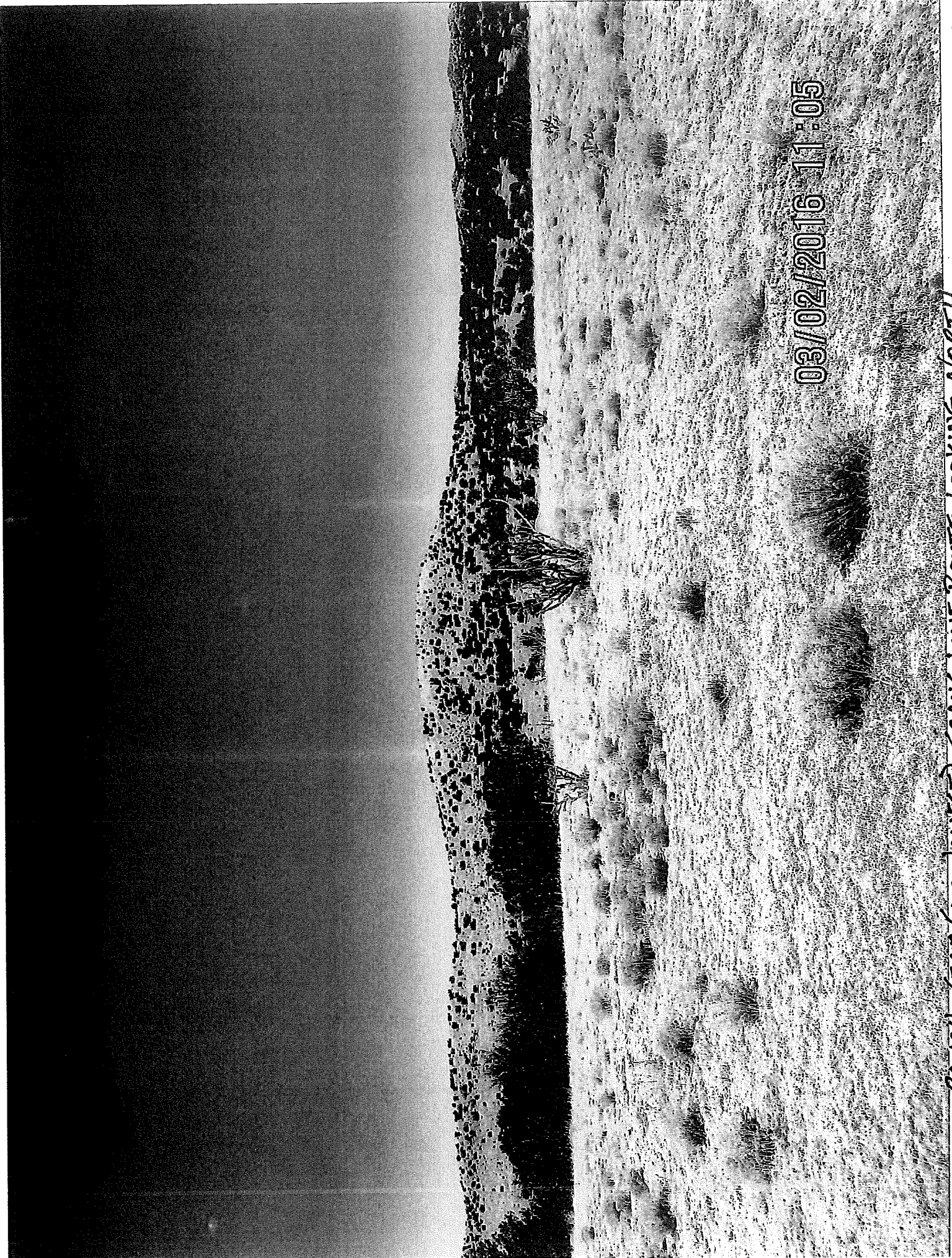


TRANSLINE RTE

03/02/2016 11:05

WRYE RANCH LOOKING EAST





03/02/2016 11:05

CORRY RANCH NEAR (100 YARDS WEST) TRANS. LINE ROUTE LOOKING NORTH

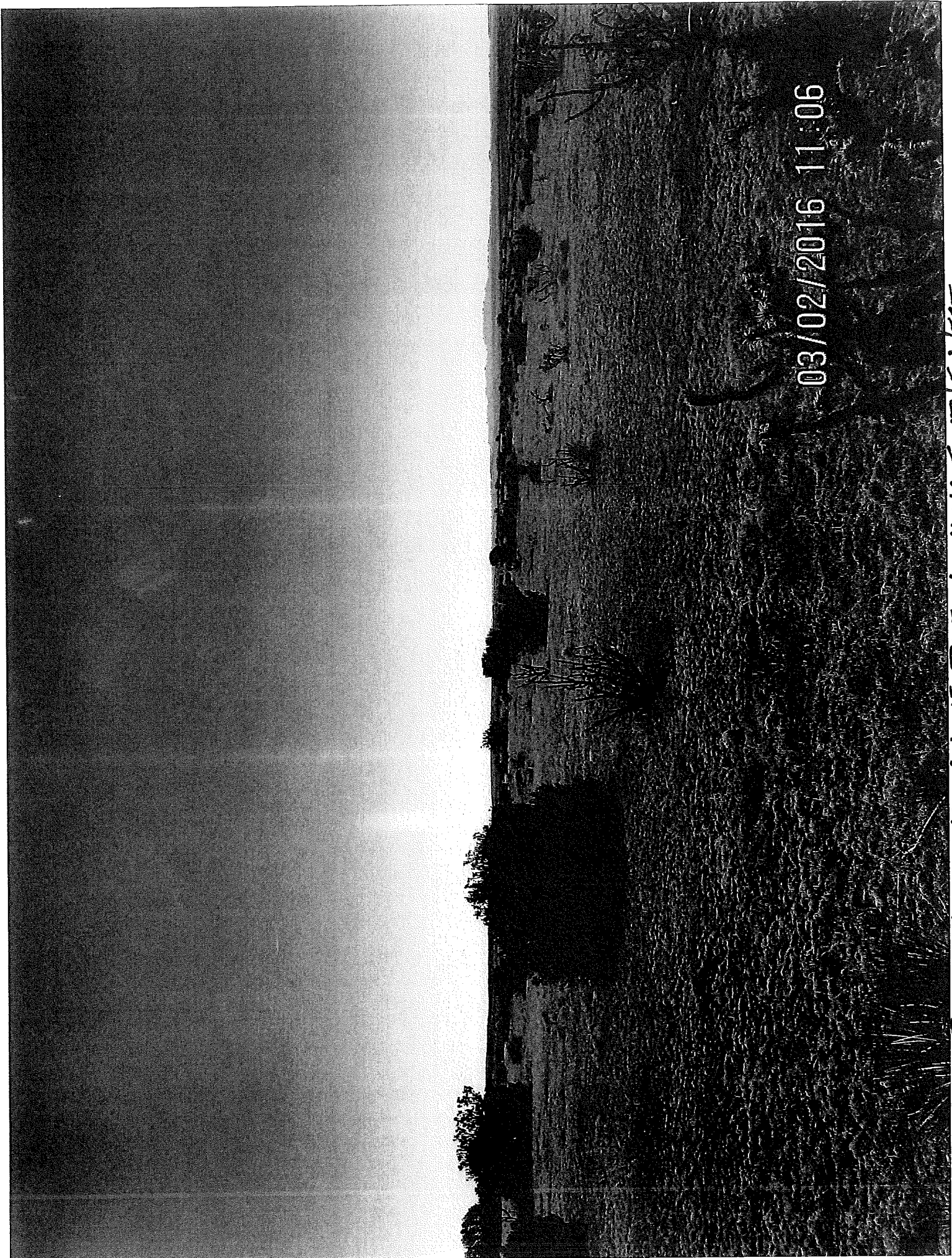




03/02/2016 11:05

WRYE RANCH NEAR TRANS. LINE ROUTE LOOKING WEST

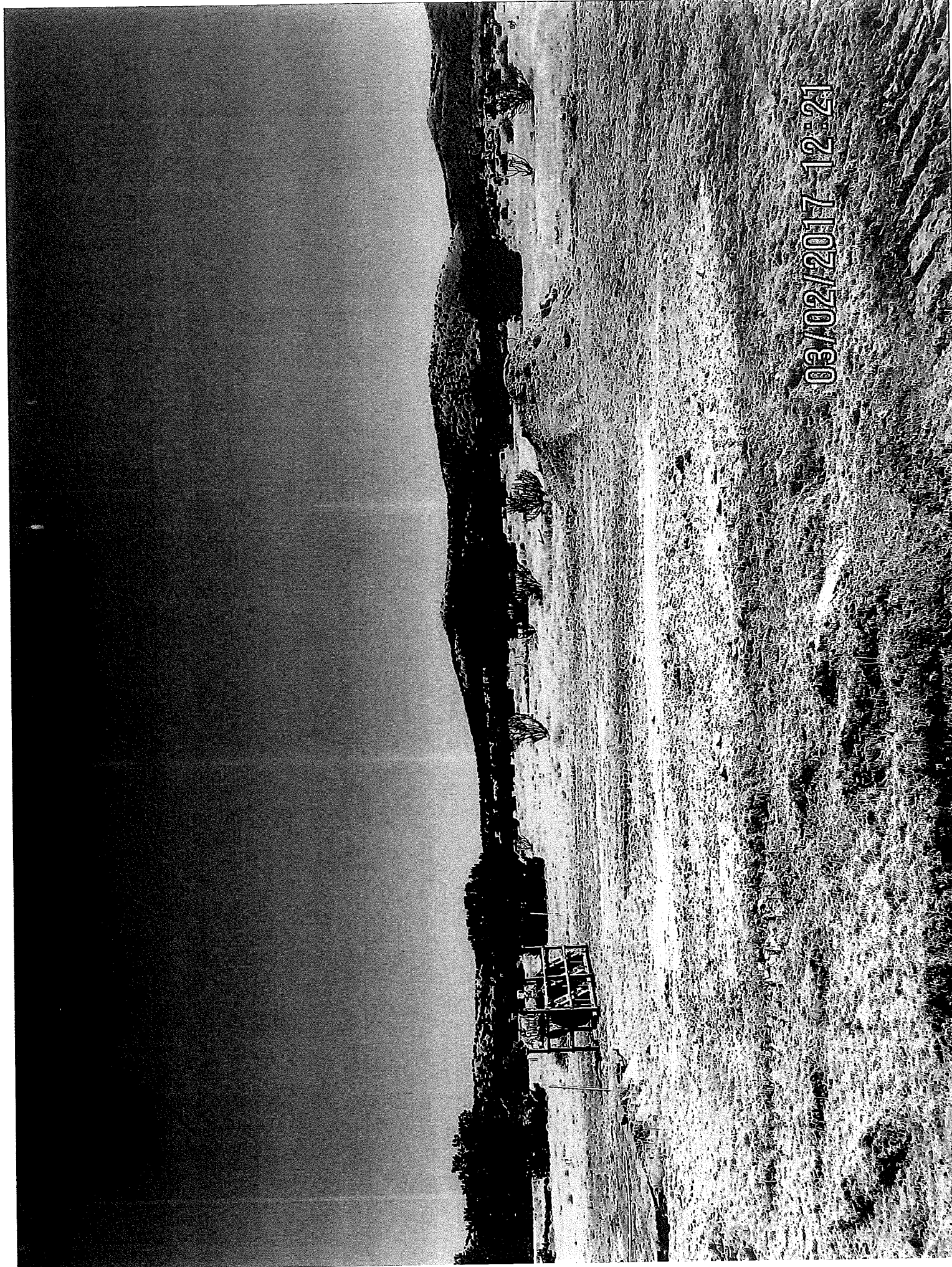




03/02/2016 11:06

WRYE RANCH NEAR TRANS. LINE RTE. LOOKING SOUTH S. WEST





03/02/2017 12:21

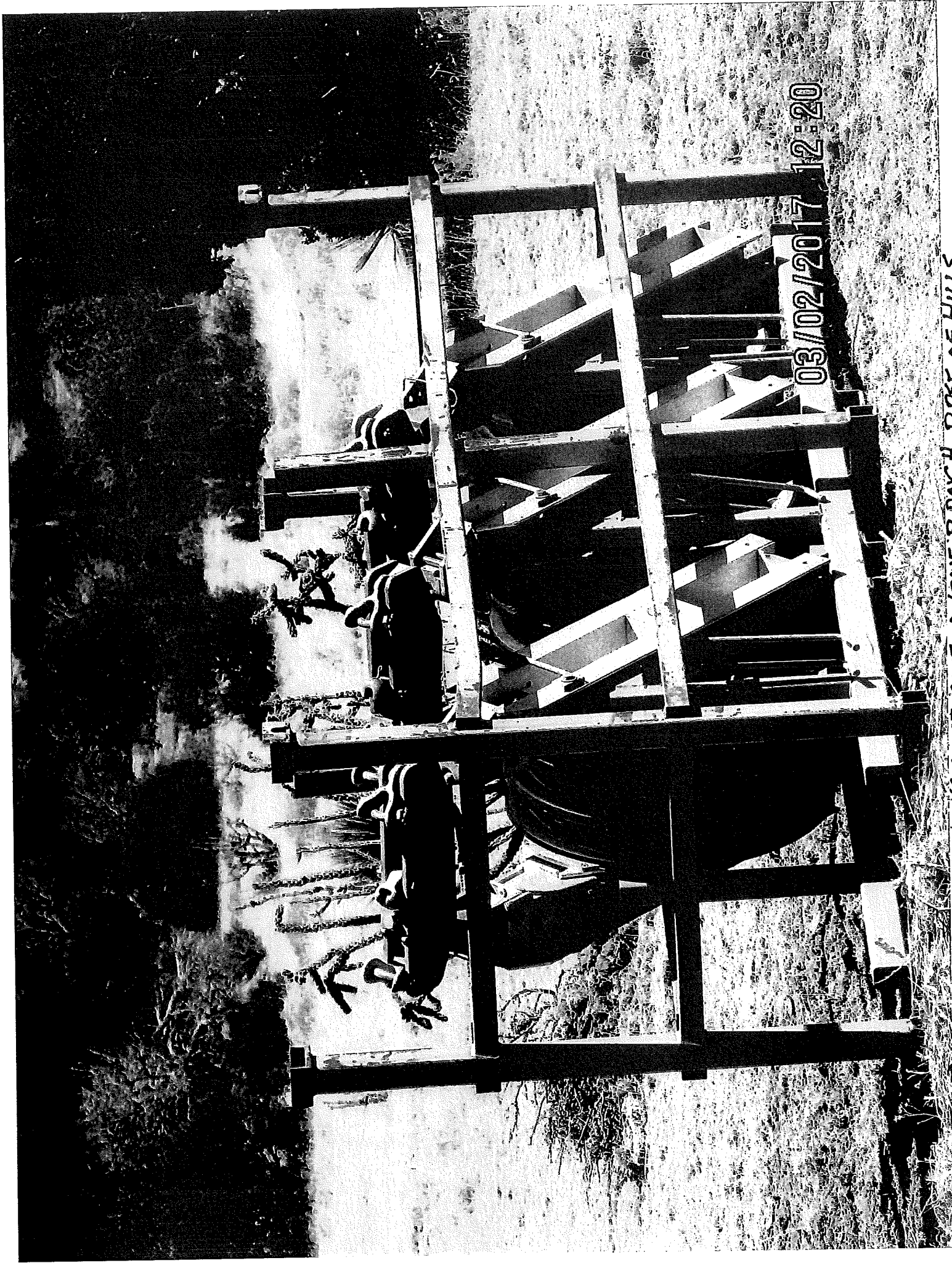
WRYE RANCH TRANS. LINE SITE LOOKING EAST





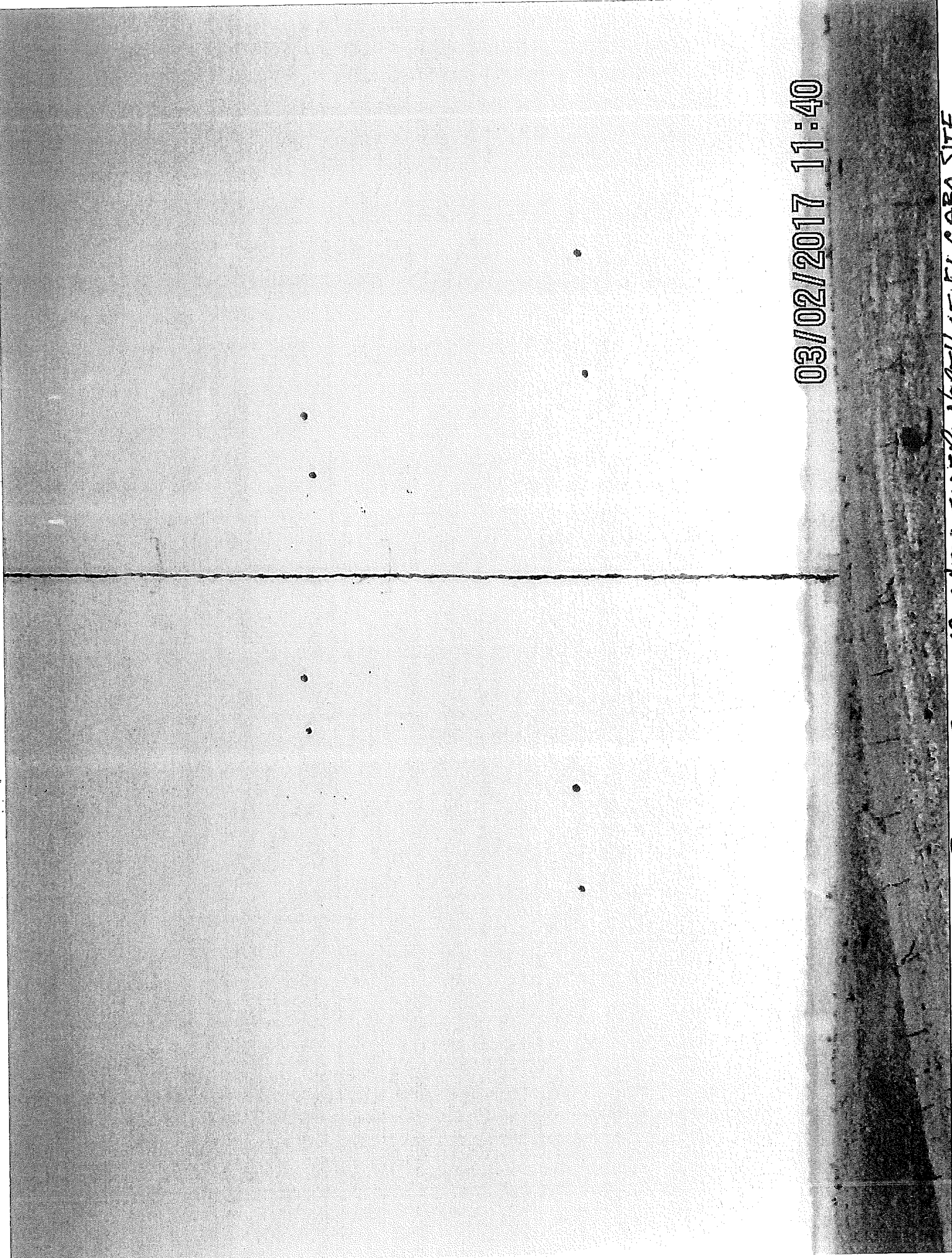
03/02/2017 12:20

TRANS. LINE SITE WRYE RANCH LOOKING NORTH



CABLE PULLEYS TRANS. LINE SITE WRYE RANCH BASE OF HILLS





03/02/2017 11:40

WEST EAST OF TRANS. LINE ROUTE : EXISTING. MET TOWER. NORTH OF EL CABO SITE





WATER STORAGE POND & WATER TRUCK FILLING FACILITY - EL CABO SITE

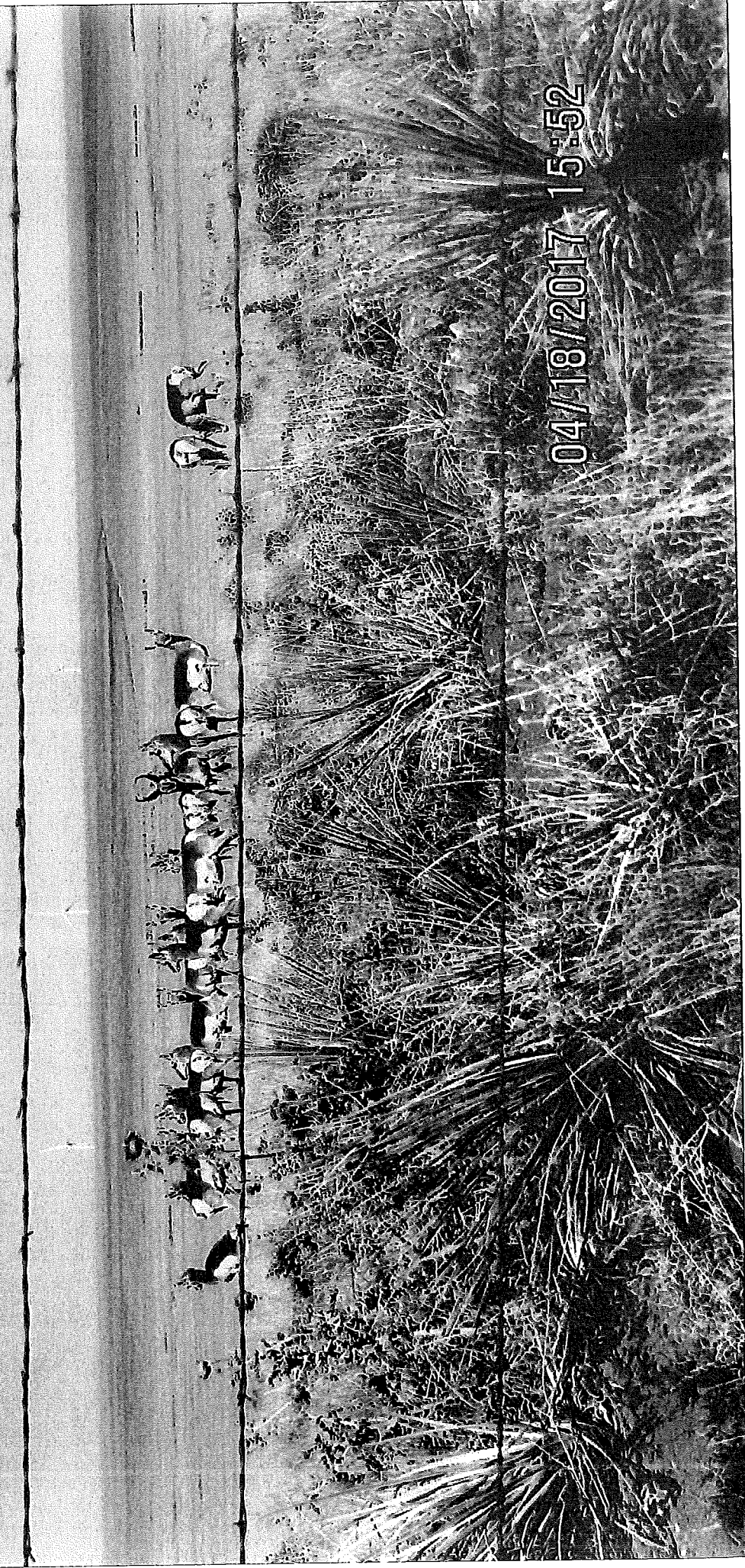




PACIFIC WIND - WATER STORAGE DAM - EL CARO SITE



LOOKING EAST FROM LUCY Rd. SOUTH  
WIND TURBINES UNDER CONSTRUCTION ON  
EL CABO SITE.



04/18/2017 15:52

Torrance County  
Planning & Zoning

FEB 02 2017

Parcel ID# \_\_\_\_\_  
Torrance County Planning & Zoning

Application for Special Review and Approval

Received by SG  
Time 1:30 PM

Check One:  Establishment or Renewal of a Special Use or Solid Waste District  
(\$1,500.00 filing fee)

Renewable Conditional Use Permit

Variance for the following Reason(s):

- Area
- Distance
- Use
- Livestock Numbers
- Setback
- Off-Street Parking/Loading
- Dwellings per Lot
- Home Based Business

Applicant: Pacific Wind Development, LLC Telephone: 503-478-6360

Mailing Address: 1125 NW Couch St. Ste 700, Portland, OR 97209

Agent (if any): Mark Stacy Telephone: 307-638-6081

Mailing Address: 229 Stetson Dr. Cheyenne, WY 82009

Reason for requested Special Review and Approval (For Variances, include the exceptional conditions you believe justify the request):

Development, construction and operation of wind farms in Torrance County, NM

See application package for complete details.

Location of Property (Street Address and Legal Description of Property):

See attached legal description.

Zoning of Property: Agriculture Present Use: Ranching

Instructions: In accordance with Section 26B and Resolution 2014-50, this application must be accompanied by the filing fee of \$200.00 (unless applying for a Special Use District). Also include 10 copies of an accurate sketch plan showing the location of the property in question; locations of structures on the property and adjoining properties; all abutting streets and alleys; proposed special exceptions; and north arrow. Please attach a copy of the Deed and Recorded Survey.

Applicant's Signature: [Signature]

FOR OFFICE USE ONLY:

Application Received by: \_\_\_\_\_ Date: \_\_\_\_\_

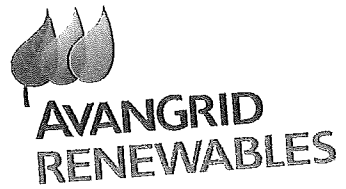
Hearing Date: \_\_\_\_\_ Date: \_\_\_\_\_

Action Taken: \_\_\_\_\_

Expiration Date of Renewable Conditional Use Permit: \_\_\_\_\_

NOTE: Any special conditions or agreements should be in writing and attached to this application.

COPY



February 2, 2017

Steve Guetschow  
Torrance County Planning and Zoning  
P.O. Box 48  
Estancia, NM 87016

Dear Steve,

Pacific Wind Development, LLC (Pacific Wind) is pleased to submit this application for Special Use District for the La Joya and Lucia facilities in Torrance County, New Mexico.

Pacific Wind, LLC, seeks a Zoning Ordinance Amendment for a Special Use District for development of the proposed La Joya and Lucia Energy Project in Torrance County. The Project comprises two separate energy project sites, the La Joya facility and the Lucia facility, proposed to be located approximately 18 miles east of Estancia, NM and 17 miles east of Willard, New Mexico respectively. The La Joya facility is located north of US Highway (US) 60 while the Lucia facility is located south of US 60. Both proposed facility sites are located on lands managed by the New Mexico State Land Office and privately owned lands and together would generate up to 800 megawatts (MW) of electricity.

It has been our pleasure to work with Torrance County at all levels over the past ten years as we have developed and are currently constructing the El Cabo Wind project. We look forward to continuing and strengthening this relationship with Torrance County as we seek to continue our success in New Mexico.

Yours Sincerely,

Mark L. Stacy  
Director, Development - Avangrid Renewables

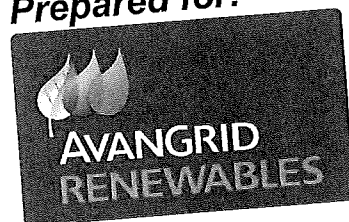
Avangrid Renewables  
229 Stetson Dr., Cheyenne, WY 82009  
Telephone 307.638.6091,  
mark.stacy@avangrid.com

*Application for*  
**Zoning Ordinance Amendment  
Special Use District  
La Joya and Lucia Energy Project  
Torrance County, New Mexico**

*Submitted to:*  
**Torrance County Planning & Zoning Department**

*Submitted by:*  
**Pacific Wind Development, LLC**

*Prepared for:*



*Prepared by:*



**February 2017**

LA JOYA AND LUCIA ENERGY PROJECT  
ZONING ORDINANCE AMENDMENT/SPECIAL USE DISTRICT

## Synopsis

Pacific Wind Development, LLC (Applicant), a subsidiary of Avangrid Renewables, LLC, requests a Zoning Ordinance Amendment for a Special Use District to develop and operate the La Joya and Lucia Energy Project (Project) in Torrance County, New Mexico. The Project comprises two separate energy project sites, the La Joya facility and the Lucia facility, proposed to be located approximately 18 miles east of Estancia, NM and 17 miles east of Willard, New Mexico respectively. The La Joya facility is located north of US Highway (US) 60 while the Lucia facility is located south of US 60. Both proposed facility sites are located on lands managed by the New Mexico State Land Office and privately owned lands and together would generate up to 800 megawatts (MW) of electricity from wind energy, solar energy, or a combination of the two. Wind turbine, solar PV arrays, and additional infrastructure locations discussed and depicted in this application and the exhibits are preliminary and may be altered based upon the results of continued collection and analysis of meteorological, environmental, engineering, and design data.

The Project meets all requirements for the establishment of a Special Use District, specifically for wind energy facilities and solar facilities set forth in the Torrance County Zoning Ordinance and all revisions as of May 11, 2016. The Project is also consistent with the purpose of the Torrance County Zoning Ordinance and the goals and objectives of the Comprehensive Land Use Plan of Torrance County (2003). Development of this Project would help fulfill goals of the State of New Mexico, the New Mexico Public Regulation Commission, public utilities, and the Western Governors' Association to diversify the state's power infrastructure, generate clean energy from local renewable sources, and support rural economic development.



**LA JOYA AND LUCIA ENERGY PROJECT  
ZONING ORDINANCE AMENDMENT/SPECIAL USE DISTRICT**

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**LA JOYA AND LUCIA ENERGY PROJECT  
ZONING ORDINANCE AMENDMENT/SPECIAL USE DISTRICT**

**Acronyms and Abbreviations**

ABPP	Avian and Bat Protection Plan
Applicant	Pacific Wind Development, LLC
BLM	U.S. Bureau of Land Management
FAA	Federal Aviation Administration
kV	kilovolt(s)
LGIA	Large Generator Interconnection Agreement
LIDAR	Light Detection and Ranging
m/s	meters per second
MET	meteorological
mph	mile(s) per hour
MW	megawatt(s)
NMDGF	New Mexico Department of Game and Fish
NPDES	National Pollution Discharge Elimination System
NTIA	National Telecommunications and Information Administration
OSHA	U.S. Occupational Safety and Health Administration
PNM	Public Service Company of New Mexico
Project	La Joya and Lucia Energy Project
PV	photovoltaic
O&M	operations and maintenance
rpm	revolution(s) per minute
SCADA	Supervisory Control and Data Acquisition
SODAR	Sonic Detection and Ranging
SWPPP	Stormwater Pollution Prevention Plan
UK	United Kingdom
USFWS	U.S. Fish and Wildlife Service
WPP	Wildlife Protection Plan
WTG	wind turbine generators

**LA JOYA AND LUCIA ENERGY PROJECT  
ZONING ORDINANCE AMENDMENT/SPECIAL USE DISTRICT**

**1. INTRODUCTION**

Pacific Wind, LLC, (Applicant) seeks a Zoning Ordinance Amendment for a Special Use District for development of the proposed La Joya and Lucia Energy Project (Project) in Torrance County, New Mexico (County). The Project comprises two separate energy project sites, the La Joya facility and the Lucia facility, proposed to be located approximately 18 miles east of Estancia, NM and 17 miles east of Willard, New Mexico respectively. The La Joya facility is located north of US Highway (US) 60 while the Lucia facility is located south of US 60. Both proposed facility sites are located on lands managed by the New Mexico State Land Office and privately owned lands and together would generate up to 800 megawatts (MW) of electricity. (See **Exhibit A**, Project Overview.)

The proposed Project consists of two energy electrical-generating facilities located in two distinct areas, which collectively will be referred to as the Project Area:

- La Joya facility (La Joya)—a 42,400-acre area north of US 60 consisting of up to 201 wind turbines and a single photovoltaic (PV) solar array; and
- Lucia facility (Lucia)—a 28,750-acre area south of US 60 consisting of up to 200 wind turbines and a single PV solar array.

Both facilities would have supporting components, including access roads, aboveground and belowground electrical collector systems, permanent meteorological (MET) towers, operations and maintenance (O&M) buildings, and step-up/collection substations. At least a portion of the energy generated by the facilities would be transmitted to an interconnection with the Public Service Company of New Mexico (PNM) BA-Blackwater (BB) 345-kV line approximately 5 miles northwest of Clines Corner using transmission infrastructure owned by the Applicant and associated with the adjacent El Cabo Wind Project. If additional transmission capacity is necessary, the Applicant would consider interconnection into one of the planned transmission lines located near the Project Area or another, yet to be determined transmission line. Both La Joya and Lucia will be owned and operated by the Applicant.

Final locations of the proposed wind turbines and PV solar arrays would depend on the collection and analysis of MET data which is currently being gathered from the area and the completion of appropriate environmental, engineering, and design analyses. **Exhibit A**, Project Overview, depicts conceptual layouts of the maximum build-out for La Joya and Lucia. However, the Applicant may choose to build something less than the full build-out or may construct the Project in phases, depending on market demands, MET analysis, or environmental and engineering constraints.

Portions of both La Joya and Lucia, including the proposed solar facilities, overlap lands previously zoned as a Special Use District for the El Cabo Wind Project. (See Torrance County Finding of Fact dated February 23, 2011). This Application for Zoning Ordinance Amendment for the establishment of a new Special Use District only addresses lands outside the El Cabo Wind Project Special Use District. As discussed in Sections 4 and 6, rezoning of agricultural lands to a Special Use District for renewable energy would be consistent with the Torrance County Zoning Ordinance and would maintain the integrity and character of the area.

**2. PROJECT DEVELOPER**

The Applicant confirms that it has a bona fide intent and ability to develop the proposed facilities for the purpose of providing renewable energy into the regional marketplace. The Applicant is

**LA JOYA AND LUCIA ENERGY PROJECT  
ZONING ORDINANCE AMENDMENT/SPECIAL USE DISTRICT**

- **Trading:** Avangrid has established robust systems, including its 24-hour, real-time, day-ahead trading desks, to manage renewable energy into short-term markets. The Applicant intends to sell electric generated by the Project under long-term power purchase agreements.
- **Origination:** Avangrid serves a wide variety of wholesale customers, aggregators, and large commercial and industrial customers across North America and has a proven track record of working with customers to provide customized services. As a result, a majority of controlled wind and solar is sold under long-term contract.

Section 5.4 provides a more detailed description of Avangrid's technical and managerial capabilities. (See **Exhibit S** for additional information regarding Avangrid's company profile and their company approach to wind energy and solar energy development.)

### **3. PROJECT SITE AND LEGAL DESCRIPTION**

The Project would be located on a combination of privately owned and state-owned lands. The Applicant currently holds lease agreements with all three landowners within the Project Area where Project infrastructure is proposed, which includes 27,994 acres of state land managed by the New Mexico State Land Office and 25,880 acres of privately owned land. (See **Exhibit A**, Project Overview, and **Exhibit B**, Wind Energy Lease Agreements [Tract 2].) The Applicant has obtained from the landowners the rights to develop, construct, own, and operate wind energy facilities on the land included in the leases. (See **Exhibit B**, Wind Energy Lease Agreements.) It should be noted that in the event that solar projects are developed, current land leases would need to be amended to allow for such development, as they currently only allow for wind energy development.

Approximately 95 percent of the Project Area is characterized by semi-desert grassland and steppe, which is dominated by grasses, with some scattered shrubs present. The remainder of the Project Area is characterized as juniper savanna, which is limited to rocky slopes and hills in the northern portion of the La Joya site with patchy savanna vegetation and juniper and pinyon pine trees scattered throughout. A map and more detailed description of land cover in the Project Area are included in **Exhibit I**, Biological Evaluation.

The Project is located in an Agricultural District (A), a rural land use designation for unincorporated areas of Tarrant County that are not specifically designated in any other zone classification. (See **Exhibit Q**, Tarrant County Zoning Map.) Historically, the land within the Project Area has been used as rangeland for ranching activities. Ranch homes and residential areas are scattered sparsely around, but outside of, the Project Area; eight residences are within one mile of the Project Area. A historic town, Pedernal, is located just east of the Lucia site, along the railroad owned by Burlington Northern Santa Fe Railway Company. This railroad runs through the northeast portion of the Lucia site. (See **Exhibit A**, Project Overview.)

### **4. REQUEST FOR ZONING ORDINANCE AMENDMENT**

The Applicant requests a Special Use District to develop the Project within the Project Area. (See **Exhibit B**, Wind Energy Lease Agreements, and **Exhibit A**, Project Overview, for the lands being proposed for the Special Use District.) Pursuant to REV: Ord. No. 94-2, 2/9/94, major power generation facilities, including wind-driven and solar energy generators, are an allowable use for a Special Use District. The Project is located in an Agricultural District (A), a rural land use designation for unincorporated areas of Tarrant County that are not specifically

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model, but **Exhibit F** includes a brochure depicting the SunPower P17 series as an example of a PV solar panel that may be similar to the system selected for La Joya and Lucia. The solar arrays for each facility could be up to 100 MW; however, each facility would have capacity of up to 400 MW of electricity.

The Applicant seeks micro-siting flexibility within the Special Use District for the final layout for turbines, PV solar arrays, and associated collector cables and access roads. Before construction, the Applicant would determine the number of turbines in each corridor, the spacing between turbines, the size of PV solar array, and the precise locations of the turbines and PV solar arrays. Final siting would be conducted in a manner that would maximize energy production and based on the wind turbine and solar PV panel models selected and other various siting criteria, including safety considerations as specified in Section 16 (D)(10)(f)(1) and Section 16 (D)(11)(f)(1) of the Torrance County Zoning Ordinance.

## **5.2 ELECTRICITY GENERATION**

As planned, La Joya and Lucia would each generate up to 400 MW of clean, renewable energy from a combination of wind and solar energy facilities. A total of 800 MW of renewable energy generation capacity is equivalent to the energy usage of approximately 184,000 homes in the southwest region of the US. However, as discussed previously, the vendor, size, number, and actual generating capacity of turbines and solar PV panels have not yet been determined. This application describes the configuration for the most likely turbine size and maximum size of PV solar array that could be used for the Project. The maximum turbine layout would include up to 201 turbines for La Joya, up to 200 turbines for Lucia, and up to 100 MW of solar energy generation from PV solar arrays for each facility. The total output would not exceed 800 MW.

The Applicant seeks approval for both wind and solar generation so that Applicant can best respond to whatever form of renewable generation is demanded by the marketplace, thereby maximizing the opportunity for ultimate success of the Project. Having the authority to develop wind and/or solar throughout the Special Use District will allow the Applicant to serve customers to the best of its ability.

## **5.3 SITE SUITABILITY**

### **5.3.1 Wind**

A strong wind resource is an essential element in selecting the location of a wind project, as is the specific turbine placement within a defined project boundary. Avangrid's senior management team has extensive experience developing wind projects throughout the US, Europe, and Central America. Based on this experience and by following guidelines established by the National Wind Coordinating Committee, the American Wind Energy Association, and the European Wind Energy Association, Avangrid has developed a comprehensive and practical methodology for selecting wind project sites.

Competitive project economics are achieved at sites that have the best combination of strong wind resource interested landowners, and access to interconnection to the regional grid. Other considerations include suitable soil conditions and environmental constraints. There are also a number of fixed costs for a wind energy facility, including a majority of the baseline environmental surveys, interconnection filing fees and studies, foundation design, and project engineering. Accordingly, projects must be sized appropriately to distribute the fixed costs over a large enough number of wind turbines in order to make the project economically viable.

Determining the adequacy of the wind resource is a detailed, iterative process that includes evaluation of wind maps (see **Exhibit G**, New Mexico Wind and Solar Resource Maps), detailed

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The Applicant used various models and analytical methods to assess impacts to utility transmission and distribution systems. The Applicant-owned 30-mile (27 miles within Torrance County) El Cabo 345-kilovolt (kV) transmission line (the Project Gen-Tie line) was determined to have sufficient capacity to serve one of the two Project facilities, and, therefore, it could be used for the transmission of power generated from either La Joya or Lucia to the PNM system via the BB line, whichever is constructed first. The Project Gen-Tie line connects to BB line approximately 5 miles northwest of Clines Corner in Santa Fe County, New Mexico. Because the El Cabo project will have consumed all of the remaining transmission capacity on the BB line, Applicant is actively pursuing options with PNM that will expand capacity and allow for further renewable energy development in Torrance County. The other Project facility may interconnect to the existing BB line or to one of the several transmission lines currently in the planning stage located near the Project Area, such as Western Spirit or SunZia, which are not owned by the Applicant. The electrical control wiring and power connector lines will be located underground except where the electrical control wiring is brought together for connection to the transmission or distribution network, which will be located aboveground.

**5.3.4 Site Accessibility**

The Project Area would have multiple access points from US Highway 60 and US Highway 285, as shown in **Exhibit A**, Project Overview, and in some cases would use County roads. The Project would be accessed from US Highway 60 and/or US Highway 287, off of which new access roads would be constructed on private land where possible, thereby minimizing traffic impacts on local roads. The adjacent railroad may also be used to deliver turbine components.

**5.3.5 Rural Location**

Each turbine location would maintain the minimum set back distance (i.e., 1.1 times its total height) from the nearest property line, public road, and existing public power and telephone lines. These setbacks would improve public safety and minimize the turbines' potential visual and sound effects on neighboring landowners. Approximately 2 percent of the Project Area is anticipated to be used for Project infrastructure. Current use of the remaining land (i.e., approximately 98 percent), primarily ranching, would continue.

**5.3.6 Federal Aviation Administration Compliance**

Once final turbine locations are determined, the Applicant will file a Federal Aviation Administration (FAA) Form 7460-1 for each location. The FAA has the authority to determine whether the locations present a hazard to air navigation. As part of this process, the FAA will coordinate with the Department of Defense to ensure that military installations (such as regional air force bases) have an opportunity to review and comment on turbine locations and their potential impact to their missions. Using this process for the El Cabo Project, The Applicant had multiple interactions with Holloman Air Force Base, which had an opportunity to provide input to the FAA, prior to the FAA issuing "Determinations of No Hazard" for the project. The El Cabo Project could only proceed after receiving these determinations. Avangrid will use this same process for any future turbine placements anywhere in the United States, including Torrance County. Only after having received this "go ahead" from the FAA will any future project move forward.

**5.3.7 Communication Interference**

To minimize the effect on local communications, turbines would be sited outside of known microwave pathways and Fresnel zones (i.e., areas surrounding a line-of-site used to determine obstruction loss to communication signals). Additionally, the Applicant plans to conduct a

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<b>Table 1 Summary of Environmental Review</b>	
<b>Resource Category</b>	<b>Finding</b>
Environmentally Sensitive and Protected Areas	No federal, state, or county designated sensitive or protected areas are present within the Project Area. The nearest National Forest or Park lands are 9 miles to the southwest of the Project, and the Project will not affect management of these areas.
Surface Water, Wetlands, and Waters of the US	According to the National Wetland Inventory there are no natural wetlands or springs in the Project area. The Applicant would confirm this finding by conducting a wetlands survey prior to construction. Several man-made water troughs used for ranch operations are present throughout the Project area. The Applicant will avoid siting facilities near these troughs or work with the landowner on a suitable replacement. Erosion control measures would be implemented during construction to reduce the risk of erosion to ephemeral waterways (i.e. non jurisdictional waters).
Visual and Sound Concerns	Both daytime and nighttime visual impacts from the Project are anticipated and unavoidable. The turbines would be visible to residential, recreational, and travel route viewers. However, based on visual simulation of the proposed facilities and the visual impacts are expected to be low to moderate and may attract greater attention at night due to FAA lighting. (See <b>Exhibit R</b> , Visual Resource Assessment.) Turbines operating at their maximum sound power levels are not expected to exceed 47 dBA at any existing residence within the vicinity of the Project, and is consistent with County ordinances that limits noise to less than 50 dBA at any occupied residence, school, hospital, church or public library. (See <b>Exhibit P</b> , Acoustic Assessment Report.)
Cultural Resources	Known archaeological and historical resources would be avoided during construction. (See <b>Exhibit H</b> , Class I Cultural Resource Report.) The Applicant will conduct additional cultural resource investigation on state lands as required by the state law as well as conditions of the property lease for the project, once granted.
Community Issues	The Applicant has the landowner support for the project and would seek community input would be sought prior to final Project layout and design to address any potential community concerns.
Land Use, Zoning, and Development	A Special Use Permit for a Zoning Ordinance Amendment for a Special Use District would be required by the County for the Project. The Project is compatible with current land use. (See Sections 4 and 6).

**5.4 PROJECT DEVELOPMENT RESOURCES**

The Applicant has been specifically organized for the development and ownership of the Project. The Applicant's parent company, Avangrid, will provide financial security on behalf of the Applicant. Credit support for Avangrid is provided by Avangrid Renewables Holdings, Inc. As of April 26, 2016, Avangrid Renewables Holdings, Inc. was rated "Baa1" by Moody's Investor Service. The company has strong financials and has the ability to self-finance its investments in renewable projects. With the backing of Avangrid, the Applicant has the capability to provide adequate assurances, guarantees, financing, and insurance for the Project's development, construction, and operation. Avangrid currently funds all development activities for the Project and, through Avangrid Renewables Holdings, would arrange for the capital needed to finance Project construction, equipment orders, and long-term investment in the Project. Project development and construction costs could exceed \$1 billion.

Avangrid has successfully financed, constructed, and operated 56 wind energy facilities and 2 solar energy facilities in the US. Through this extensive experience, Avangrid has developed

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could have a useful life for much longer than these given estimates. At such time of a repower, any additional permits would be obtained from Torrance County.

**5.6 ENERGY EQUIPMENT INFRASTRUCTURE**

**5.6.1 Wind Energy**

**5.6.1.1 Generation Turbines**

The Project is designed to use industry-standard three-blade, upwind machines. The Project is currently being modeled using the Gamesa G114 wind turbine, which has a capacity of up to 2.1 MW. However, because the Project is not anticipated to be completed until December 2018, market factors, such as availability and cost, may dictate the use of an alternative wind turbine type. Any wind turbine ultimately selected for the Project would be similar in design and appearance to the Gamesa G114. (See **Exhibit F**, Wind Turbine and Solar Panel Brochures, for the brochure for the Gamesa G114 wind turbine.)

The turbines that would be used for the Project would be new turbines; they would not be used, experimental or prototype equipment. Each wind turbine consists of four major components: the nacelle, the rotor, the tower, and the foundation. The height of the tower, or "hub height" (height from the base of the tower to the center of the rotor hub on top of tower) would be approximately 298 feet. The nacelle sits atop the tower, and the rotor hub is mounted on a drive shaft that is connected to the gearbox and generator contained within the nacelle. The total turbine height (i.e., height at the highest blade tip position) would be approximately 482 feet. Descriptions of the major turbine components are provided below.

**5.6.1.2 Nacelle**

At the top of the tower section is the nacelle. The exterior is typically made of fiberglass with a structural steel frame that protects the internal mechanical components of the wind turbine from the environment and dampens noise emissions. The housing is designed to allow for adequate ventilation to cool internal machinery, and is 36.7 feet long, with a radius of 6.9 feet. It is externally equipped with an anemometer, which measures wind speed, and a wind vane, which measures wind direction. This information is used by the turbine controller to turn the machine on and off and to rotate, or "yaw," it into the correct position. The components housed within the nacelle include the generator, the main shaft, the gearbox, and an electric control unit that relays information and data received from the generator and the weather station on the roof of the nacelle to the main control cabinets at the base of the tower. The nacelle is mounted on a sliding ring that allows it to yaw into the wind to maximize energy capture. The Gamesa G114 wind turbine mounts a dry-type generator step-up transformer (electrical) in the nacelle.

Attached to the top of some of the nacelles, per specifications of the FAA, would be a single, medium-intensity aviation warning light. These would be red flashing lights (L-864) that would only be operated at night. These lights are described further in Section 5.10.

**5.6.1.3 Rotor**

The rotor assembly is mounted on the drive shaft and is operated upwind of the tower. Each rotor consists of three fiberglass composite blades approximately 184 feet in length (total rotor diameter of 374 feet) and a hub or nose cone that is mounted on a driveshaft. The rotor attaches to the driveshaft at the front of the nacelle. The driveshaft is connected to the gearbox and generator contained within the nacelle. The rotor diameter would be 374 feet. All turbine rotors would rotate in the same direction and would be configured to rotate clockwise. Electric servo motors within the rotor hub vary the pitch of each blade according to wind conditions,



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**5.6.2.1 Solar Panels**

The Project would use high-efficiency commercially available solar panels that would generate electricity by converting sunlight into direct current (DC) electrical energy. The solar panel would be protected by tempered, antireflective glass and would have factory-installed "quick connect" wire connectors. The solar panels can be mounted together in different configurations (also referred to as "arrays" or "blocks") depending on the equipment type and topography. The area required for each array depends on the panel technology, spacing, mounting equipment, and other design criteria, which would be determined during final design. Solar PV panel models have not been determined; however, **Exhibit F** includes a brochure of the SunPower P17 series, a type of PV solar panel that could be used for the Project as an example. (See **Exhibit F –Wind Turbine and Solar Panel Brochures.**)

**5.6.2.2 Mounting Systems**

The solar panels would be mounted on a tracking system that optimizes electricity production by rotating the panels to follow the path of the sun throughout the day. The central axis of the tracking structure would be oriented north to south and would rotate the panels east to west to limit self-shading between rows. The drive unit for the tracking system can control a single row of modules or multiple rows of PV modules through a series of mechanical linkages and gearboxes. As the solar panels tilt throughout the day, the height of their top edges would shift accordingly (i.e., between 4 feet and 7 feet high). Each tracker system supports multiple solar panels mounted on a metal framework structure. The structure would be specifically designed to withstand wind, snow, and seismic loads anticipated at the site.

**5.6.2.3 Foundations**

Mounting systems would be support foundations of driven piles or a system of pre-cast concrete ballasts. A detailed geotechnical investigation would be conducted prior to construction to confirm soil conditions for facility equipment and structure foundation design. Borings would be required in advance of detailed engineering to assess soil conditions and hydrology. Foundations for equipment and structures (e.g., inverter pads) are assumed to be soil-supported reinforced concrete spread footings or mat-type foundations. Rock excavation may also be required if bedrock is not below all drilled pier, trench, and site grading excavations.

**5.6.2.4 Electrical Collection Systems**

Wiring from each row of solar panels would be routed to an aboveground collection box that joins the multiple wires into a single DC cable, which is routed underground to a centralized inverter associated with each block of solar panels. The inverters convert the electricity from DC to alternating current (AC) and then connect to a step-up transformer that would increase the output voltage from the inverter (typically 315 Volts [V]) to the desired substation feed voltage (i.e., 34.5 kV). The inverter and transformer for the row of PV solar panels would be installed on a shared concrete pad. All transformers would use non-polychlorinated biphenyl (non-PCB) oils. Buried AC collection lines would connect the rows of PV solar panels and would emerge on a central riser pole/switchpad before being carried off-site on overhead power lines.

The inner array DC cables would be buried in trenches approximately 36 inches deep. The trenches for low-voltage (315 V) DC cables may also be used for other control and communication cables depending on manufacturer recommendations. Medium-voltage (34.5 kV) cables would be buried in trenches approximately 48 inches deep with approximately 4 to 6 inches of sand bedding material placed in the bottom of the trench. Native soil removed during trench excavation would be used as backfill where possible. If the native soil is not suitable (i.e.,

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The Project would employ approximately five to ten full-time employees who would work different shifts based from the O&M facility. Potable water would be available at the facility, and used water would drain into an on-site septic system. All appropriate permits required for the use of potable water and construction of a septic system would be obtained from Torrance County. Any other waste materials used for O&M would be removed from the site and disposed of in an appropriate manner consistent with county, state, and federal requirements. Waste materials may include oils used in transformers, lubricating oils, and cleaning fluids. The Applicant would implement a hazardous materials management plan addressing storage, use, transportation, and disposal of each oil or solvent anticipated to be used at the Project. All replaced fluids would be collected in drums and would be sent off-site for recycling. A Spill Prevention, Control, and Countermeasures Plan would also be developed in future development stages of the Project in order to provide guidance regarding spills of fuel and oil at the Project site.

### **5.8 PROJECT ACCESS ROADS**

The Project would have multiple access points to the north and south of US 60, as shown in **Exhibit A**, Project Overview, and along US 287. Existing County roads would be used to the least extent possible to minimize impacts to the roads. New roads would be constructed off of existing roadways, on private land where possible, to access the Project Area. These new private access roads would align with turbine rows to accommodate ranch O&M, minimize off-road travel, and limit the amount of land taken out of production from current land use activities. (See **Exhibit A**, Project Overview.)

Within the Project Area, perimeter gravel-surface access roads would be constructed around each solar field. (See **Exhibit M**, Solar Photovoltaic Array Drawings.) These permanent access roads would be approximately 20 feet wide and would provide access to each inverter in a north-south direction. Water or another stabilizing agent may be used, as needed, on the dirt roadways to control dust around the solar fields.

All new access roads on private land and improvements to existing roads would be designed under the direction of a licensed engineer and would be constructed and maintained in accordance with appropriate County standards. A Driveway Access Permit from the New Mexico Department of Transportation would be obtained for access points off of US 60 and/or US 287. These driveway accesses would be designed and constructed in accordance with New Mexico Department of Transportation standards and guidelines.

Any necessary approvals and authorizations would be obtained prior to all roadwork, culvert work, and drainage improvements. The Applicant would take care to minimize potential erosion and ground disturbance and to avoid sensitive resources and unsuitable areas.

### **5.9 CONSTRUCTION ACTIVITIES**

#### **5.9.1 Project Construction**

Avangrid has constructed projects throughout the United States and has a full in-house construction management staff, including project managers, site managers, superintendents, and quality assurance inspectors. Using all of the data collected for the Project (including geotechnical information, environmental conditions, site topography, logistics, etc.), the Applicant would develop a set of site-specific construction specifications for the various components of the Project. The design specifications comply with construction standards established by various industry practice groups, including the following:

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Turbine foundation construction begins after initial portions of the access roads are completed and foundation locations are accessible by large equipment. Foundation construction would occur in several stages, including excavation, outer form setting, rebar and bolt cage assembly, casting and finishing of the concrete, backfilling, tensioning of the bolts, and, finally, site restoration. Excavation and foundation construction would be conducted in a manner that would minimize the size and duration of excavated areas required to install foundations. Based on Pacific Wind Development, LLC's experience at El Cabo, it is anticipated that one to two reinforced concrete turbine foundations could be poured per day.

Once the foundation concrete is cured, the excavated area around the foundation would be carefully backfilled with the excavated on-site material. Additional off-site materials would only be brought in if necessary. The tower would be secured directly to the top of the concrete foundation and the nominal 15-foot-diameter pedestal, which typically extends 6 to 12 inches above grade. The finished grade around the foundation pedestal and base of the tower would be surfaced with a graveled area approximately 6 feet in width.

Turbine components would then be delivered and staged at turbine locations, and the cranes would be used to erect the turbines. Turbine mechanics would be completed next, along with electrical engineering, followed by the construction of the electrical collection system, the Project substation, and the transmission line. Typically, the Project substation transformer is delivered during this timeframe and the Project substation can then be energized. The last step would be to commission the turbines for use.

**5.9.1.2 Solar Facilities**

Construction of each solar facility would take approximately 6 to 12 months and would progress in the following order, although some activities would occur simultaneously:

- Surveying, staking, and installing erosion control measures
- Constructing access roads within the site
- Completing site grading
- Trenching and installing underground electrical system in solar PV arrays
- Assembling array foundations and installing solar array fields
- Constructing overhead collector line between the solar PV arrays and substation
- Testing and commissioning
- Restoring temporarily disturbed areas

The first step would be to remove vegetation and grade the site to the desired elevation for the selected solar technology. Grading activities are generally limited to the minimum amount needed to conform with vendor-specified mechanical tolerances for the mounting system or to improve drainage across the site. Grading techniques that may be used include cut/fill, infill (importing soil), and soil compaction. In some cases, site leveling could be achieved by placing and compacting excess material in low elevation areas. The grading design will also consider unsuitable soils that may need to be exported from the site. Vegetation may be grubbed or cut at ground level with roots intact. Erosion control measures would be in place during site grading activities.

Following site grading, trenching would occur for the installation of the underground electrical collector system. These cables are usually buried 3 to 4 feet underground in a 1- to 2-foot-wide trench. Bedding material placed at the bottom of the trench would ensure adequate drainage, thermal conductivity, and electrical insulation. The topsoil from trench excavation would be segregated and backfilled as the uppermost layer of the trench.

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**5.9.4 Construction Generated Wastes and Wastewater**

A variety of nonhazardous, inert construction wastes may be generated during construction. Construction wastes would primarily consist of concrete waste from turbine pad construction, wood waste from wood forms used for concrete pad construction, and scrap metal steel from turbine tower construction. Some additional wastes could include erosion-control materials, such as straw bales and silt fencing, and packaging materials from associated turbine parts and other electrical equipment. Solid wastes related to the construction of the Project would be promptly transported off-site and would be recycled or disposed of in accordance with federal, state, and local laws. Excess soil generated as a result of construction activities would be tamped around turbines and power poles or would be spread throughout the Project Area. All hazardous materials related to construction and O&M of the Project would be handled, stored, transported, and disposed of in accordance with all applicable local, state, and federal laws.

Wastewater would be generated during construction from the washdown of concrete trucks after concrete loads have been emptied. The Project's SWPPP would identify methods to minimize and prevent impacts from this material. The Applicant requires its contractors to follow best management practices and to minimize concrete waste wherever possible. Upon completion of the turbine foundations, concrete resulting from spill or washout is collected as part of the normal reclamation and restoration of the areas adjacent to the wind turbine.

**5.10 LIGHTING**

The Project would comply with all applicable FAA requirements. As mitigation for any risk the Project may pose to aviation, and in accordance with federal regulations, the Project would illuminate some of the turbines to meet the FAA requirements for obstruction lighting or marking of structures over 200 feet above ground surface (US Department of Transportation FAA Advisory Circular [AC] 70/7460-1L dated December 4, 2015).

The FAA's wind turbine lighting standards requires lighting the Project as one large obstruction with lights spaced no more than 2,640 feet apart. The FAA has determined that the standard turbine color is sufficient daylight marking and white strobe lights would not be used. As a result, wind farms are lit with synchronized red flashing lights at night and only a subset of the turbines are lit. To minimize potential visual affect, the Applicant would use lights that pulse 20 times per minute and have a beam spread of 3 degrees, which is the lowest allowable amount required by the FAA. This approach maximizes "dark space" between flashes and minimizes ground scatter or "light noise" because less light from the beam reaches the ground.

**5.11 SOUND**

The aerodynamic noise of the turbine blades rotating through the air is typically the dominant source of audible sound emitted from wind turbines. The sound level emitted by wind turbines increases with increasing wind speed and typically reaches a maximum level when winds are 13.4 mph or greater. When the wind speeds are high at both the turbine elevation and ground level, the sound of the turbines may be fully or partially masked by wind-induced background noise. When winds are calm or slight at ground level and sufficient at turbine height for operations, an audible "swooshing" sound may be observed as the blades rotate through the air. The observed sound level would depend on a number of factors, the most significant of which is the distance from the turbines. The Torrance County Zoning Ordinance limits audible noise from wind energy facilities to 50 dBA for any period of time, measured from occupied residences, schools, hospitals, churches, or public libraries. There are no existing federal or state regulations that limit noise levels at wind energy facilities. Due to the remote location of the Project, sound impacts are not anticipated.

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highest international standards of quality, and would be operated and maintained by a highly trained, locally based operations team. The Applicant holds itself to a high standard for health and safety, and all construction general contractors are required to meet strict safety qualifications. Wind and solar creates clean energy from a non-depleting, local energy source that does not consume or discharge water, has no air emissions, and emits no odors

***“Secure safety from fire, flood, and other dangers”***

The Project would be constructed in accordance with industry safety standards, and in accordance with the safety approval standards of Section 16 (D)(10)(f)(1) and Section 16 (D)(11)(f)(1) of the Torrance County Zoning Ordinance.

***“Protect local water resources”***

Although some water resources would be used for the Project, overall, the Project would have a low impact on local water resources. Water would be required during construction for dust abatement and to mix concrete for turbine and PV solar array foundations and would likely be obtained from an existing well within the Project Area. During operation, turbine blades and solar arrays may be washed to prevent dust buildup. Potable water would be used to service the O&M building.

***“Facilitate adequate provisions for transportation, solid waste management, water and wastewater systems, schools, parks, and other community requirements”***

The Project would not impose burdens on County roads beyond temporary use during construction. New access and service roads would be constructed on private land when possible for the Project. These roads would remain private and would not require maintenance by Torrance County. Minimal solid waste would be generated during site operations, and would be disposed of properly.

The Project would create new net property and gross receipts taxes or new revenue streams from PILOT payments, which would provide new County revenues to support local schools and County services. La Joya and Lucia would each employ up to 10 permanent staff who would live locally, thereby further stimulating the local economy. Also, if staff members have children, local schools have adequate facilities to accommodate new students. Other community services would easily accommodate the limited needs of any new residents brought to the area to support Project operations.

***“Conserve the value of property”***

Multiple studies and independent analyses have been conducted to analyze the impact of wind farms on neighboring property values in various regions of the US. These studies have shown that the presence of a wind farm has no overall adverse effect on residential property values. Additionally, some studies of property sale values have demonstrated an increase in value. Impacts of solar facilities on neighboring property values have not been studied in depth but are assumed to be less than wind farms, as they do not cast shadows on neighboring properties, and are typically not visible from as great of a distance as wind turbines.

***“Compatible development of land and other natural resources”***

Wind and solar energy generation activities are a compatible land use with rangeland activities and other agriculture. Typically, less than 2 percent of the land within the Project Area would be used by turbines, PV solar arrays, service roads, and other infrastructure following construction. Cattle would still be able to graze at the base of the turbines; wildlife would be able to use the area around the turbines; and only a small portion of the Project Area would be fenced around

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***Objective 2: Preserve and protect grazing and ranching lands from development that is detrimental to existing land use***

Wind energy development is highly compatible with grazing and ranching activities, which are the current land uses within the Project Area. While the solar facility would be fenced, this would only represent a small area of the Project where grazing and ranching activities would be restricted. Both wind and solar energy development can help local landowners by providing economic stability in place of other potential uses that could disrupt or impede grazing and ranching activities.

**Goal J - Ensure an adequate supply of quality water for current and future needs of the County**

the Project is generally consistent with Goal J as it is anticipated to have a low impact on local water resources during operation. Wind and solar energy use minimal water during operation, primarily limited to periodic power washing of turbine blades and solar PV panels to prevent dust buildup. Potable water would be available at each O&M facility for use by a five- to ten-person staff. The Project would provide Torrance County with quality economic development with no negative impact on the current and future water needs of Torrance County.

**Goal M - Improve and expand County-wide infrastructure to enhance the quality of life and support economic development**

***Objective 2: Provide power services to meet the future needs of the County***

While energy generated by the Project would be delivered to the regional electric grid, interconnection and transmission system upgrades for the Project would enhance the reliability and capacity of the overall local and regional electrical transmission systems. The Applicant is actively pursuing options with PNM that will expand transmission capacity in the area to help meet future power needs of the County.

***Objective 3: Investigate the potential for wind and solar generated power in the County***

Issuance of the Zoning Ordinance Amendment and Special Use District, along with the El Cabo Project currently under construction, would demonstrate the feasibility of wind and solar generated power in the County.

**Goal N - Encourage the attraction, retention and expansion of businesses in order to provide quality jobs for County residents**

The Project is consistent with Goal N as renewable energy, particularly wind and solar energy, are some of the fastest growing industries across the country. Wind and solar energy projects provide quality jobs, create a new source of revenue for ranchers, and increase local tax base for rural communities. La Joya and Lucia would each generate up to 250 temporary construction jobs. Since La Joya and Lucia would be constructed at different times, the Special Use District would provide construction jobs over the course of several years. Additionally, each facility would create approximately five to ten full-time jobs during operation from 2018 to 2048, or for the life of the Project. The El Cabo project has already begun to produce indirect jobs (in addition to the construction jobs) and sources of revenue to the local community in the form of new restaurants, new housing facilities, and local vendors selling products to the wind farm work force.

**LA JOYA AND LUCIA ENERGY PROJECT  
ZONING ORDINANCE AMENDMENT/SPECIAL USE DISTRICT**

**8. CONCLUSION**

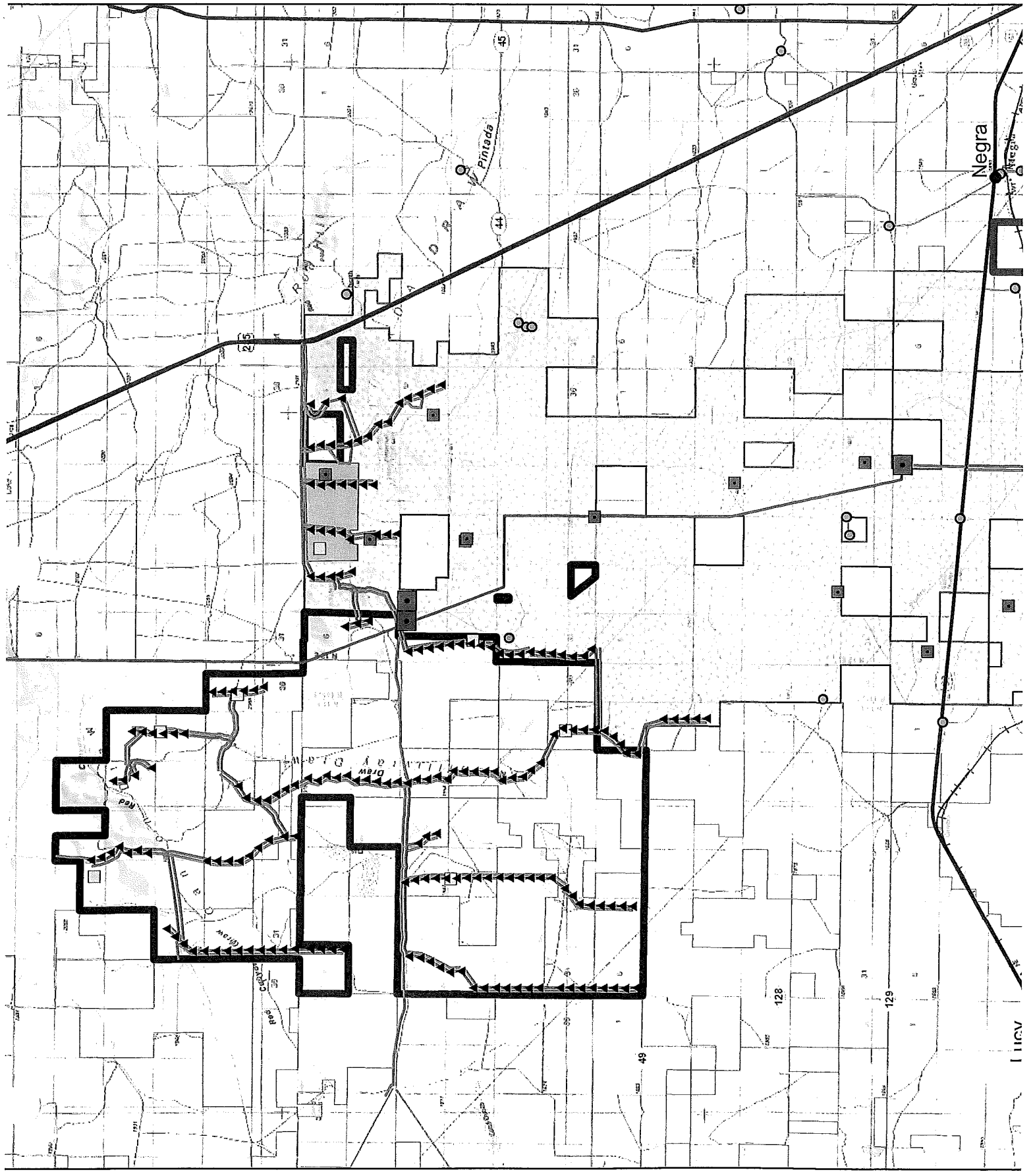
The Project meets all requirements for the establishment of a Special Use District, specifically for wind energy facilities and solar facilities pursuant to REV Ord. No. 2008-003, 4/23/08 and is consistent with the purpose of the Torrance County Zoning Ordinance and the Comprehensive Plan for Torrance County (2003). The Project is a minimal impact development that is not only compatible with, but is complementary to, the rural environment and existing rangeland activities.

Pacific Wind Development, LLC, would like to thank the Torrance County Commissioners, the Torrance County Planning and Zoning Commission, the Torrance County Planning & Zoning Department, and all staff for the opportunity to submit this application for the third utility-scale wind project in Torrance County. We look forward to working closely with Torrance County to bring this Project to fruition in the near future, and to continue our relationship with this community.

**9. APPLICANT CONTACT INFORMATION**

Matt Hutchinson  
Permit Manager, Avangrid Renewables, Inc.  
(503) 478-6317  
[Matthew.Hutchinson@Avangrid.com](mailto:Matthew.Hutchinson@Avangrid.com)

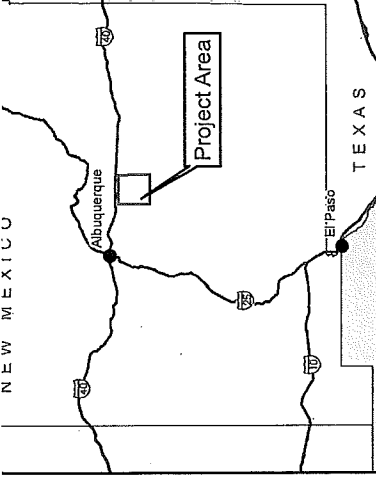
Mark Stacy  
Business Developer, Avangrid Renewables, Inc.  
(484) 868-3664  
[Mark.Stacy@Avangrid.com](mailto:Mark.Stacy@Avangrid.com)





- Proposed Met Tower
- Existing Met Tower
- Substation
- OM Building
- El Cabo Substation
- Turbine
- Sensitive Receptor
- La Joya Special Use District
- Lucia Special Use District
- El Cabo Special Use District
- Solar Array Location

- City/Town
- El Cabo Transmission Line
- Collection Line
- Access Road
- Highway
- Street
- Railroad
- BLM
- State
- Private



# Energy Project

## Project Overview

**AFTER RECORDING, RETURN TO:**

Pacific Wind Development LLC  
c/o Iberdrola Renewables LLC  
1125 NW Couch Street, Suite 700  
Portland, OR 97209



TORRANCE COUNTY  
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**MEMORANDUM OF WIND ENERGY LEASE AGREEMENT  
(Ansley)**

This **MEMORANDUM OF WIND ENERGY LEASE AGREEMENT** (this "Memorandum") is made, effective as of October 10, 2013 (the "Effective Date"), by and between **DONALD G. ANSLEY** and **CAROL R. ANSLEY**, husband and wife, whose address for purposes hereof is P.O. Box 1977, Moriarty, NM 87035 ("Landowner") and **PACIFIC WIND DEVELOPMENT LLC**, an Oregon limited liability company, whose address is Attn: Contracts Administration, 1125 NW Couch Street, Suite 700, Portland, Oregon 97209 ("Lessee").

**RECITALS**

A. Landowner and Lessee are parties to that certain Wind Energy Lease Agreement, dated of even date herewith (the "Agreement"), pursuant to which Landowner has leased to Lessee the real property of Landowner (the "Property") located in Torrance County, New Mexico, as more particularly described on Exhibit A attached hereto and which Agreement and said Exhibit A are hereby incorporated herein as if fully set forth in this Memorandum.

B. Landowner and Lessee have executed and acknowledged this Memorandum for the purpose of providing constructive notice of the Agreement. Capitalized terms not otherwise defined in this Memorandum shall have the meanings provided in the Agreement.

**AGREEMENT**

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landowner and Lessee hereby agree, as follows:

- 1. Lease.** Pursuant to the Agreement, Landowner leases and continues to lease the Property to Lessee, on the terms provided herein.
- 2. Purpose of the Lease; Permitted Uses.** The lease created by the Agreement is solely and exclusively for wind energy purposes. Throughout the term of the Agreement, Lessee shall have the sole and exclusive rights to use the Property for wind energy purposes. For purposes of

Windpower Facilities or the electric energy, capacity or other generator-based products produced therefrom. The manner of operation of the Windpower Facilities, including but not limited to decisions on when to conduct maintenance, is within the sole discretion of Lessee.

6. **Wind Easement.** Any obstruction to the free flow of the wind by Landowner or persons other than Lessee or a Tenant or Assignee or persons claiming through or under Lessee or a Tenant or Assignee is prohibited throughout the entire area of the Property, which shall consist of horizontally three hundred and sixty degrees (360°) from any point where any Windpower Facilities are or may be located at any time or from time to time to the boundaries of the Property, together vertically through all space located above the surface of the Property. Trees, structures and improvements located on the Property as of the Effective Date shall be allowed to remain, and Lessee may not require their removal. Landowner may not place or plant any trees, structures or improvements on the Property after the Effective Date that may, in Lessee's sole judgment, impede or interfere with the flow of wind to any wind turbine or the Windpower Facilities, unless Landowner has received prior written approval from Lessee for any such trees, structures or improvements.

7. **No Interference.** Landowner's activities and any grant of rights Landowner makes to any person or entity, whether located on the Property or elsewhere, shall not, currently or in the future, impede or interfere with (i) the siting, permitting, construction, installation, maintenance, operation, replacement or removal of Windpower Facilities, whether located on the Property or elsewhere; (ii) the flow of wind, wind speed or wind direction over the Property; (iii) access over the Property to Windpower Facilities, whether located on the Property or elsewhere; or (iv) the undertaking of any other activities of Lessee permitted under the Agreement. In no event during the term of the Agreement shall Landowner construct, build or locate, or allow others to construct, build or locate any wind energy conversion system, wind turbine, or similar project on the Property.

8. **Miscellaneous.**


8.1 **Successors and Assigns.** The Agreement shall burden the Property and run with the land. Any transfer or assignment by Landowner of the rights and obligations under the Agreement (including but not limited to any assignment of payments or other partial assignments) shall be subject to the terms of the Agreement. Any assignment by Landowner or Lessee in violation of the Agreement shall be void and invalid. The Agreement shall inure to the benefit of and be binding upon Landowner and Lessee and, to the extent provided in any assignment or other transfer under the Agreement, any Assignee or Tenant, and their respective heirs, transferees, successors and assigns, and all persons claiming under them.

8.2 **Conflict.** In the event of any conflict or inconsistency between the provisions of this Memorandum and the provisions of the Agreement, the provisions of the Agreement shall control. Nothing in this Memorandum shall be deemed to amend, modify, change, alter, amplify, limit, interpret or supersede any provision of the Agreement or otherwise limit or expand the rights and obligations of the parties under the Agreement, and the Agreement shall control over this Memorandum in all events.

IN WITNESS WHEREOF, Landowner and Lessee have caused this Memorandum to be executed as of the Effective Date and delivered by their duly authorized representatives.

**LANDOWNER:**

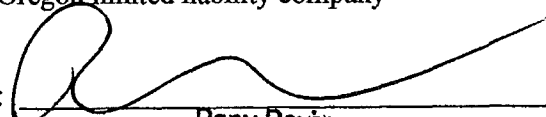
DONALD G. ANSLEY and CAROL R. ANSLEY,  
husband and wife


By:   
Name: Donald G. Ansley

By: \_\_\_\_\_  
Name: \_\_\_\_\_

**LESSEE:**

PACIFIC WIND DEVELOPMENT LLC,  
an Oregon limited liability company

By:   
Name: Rany Raviv  
Title: Authorized Representative

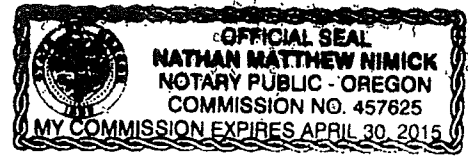
By:   
Name: Scott Jacobson  
Title: Authorized Rep.

LEGAL  


STATE OF OREGON )  
 ) ss.  
COUNTY OF MULTNOMAH )

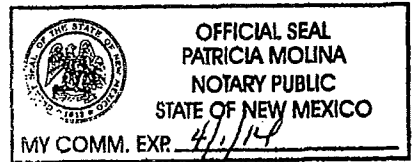
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Book 329 Page 4105  
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BY SYLVIA

The foregoing instrument was acknowledged before me this 10 day of Oct., 2013 by Rany Ravi as Authorized Rep. and Scott Jacobson, as Authorized Rep. of PACIFIC WIND DEVELOPMENT LLC, an Oregon limited liability company, on its behalf.



[Signature]  
Notary Public for Oregon  
My commission expires: 4/30/2015  
Commission No.: 457625

STATE OF New Mexico )  
 ) ss.  
COUNTY OF Bernalillo )



The foregoing instrument was acknowledged before me this 17th day of September, 2013 by DONALD G. ANSLEY and CAROL R. ANSLEY, husband and wife.

[Signature]  
Notary Public for New Mexico  
My commission expires: April 1st 2014  
Commission No.: \_\_\_\_\_

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**EXHIBIT A  
TO  
MEMORANDUM OF WIND ENERGY LEASE AGREEMENT  
(Ansley)**

**Legal Description of Property**

All that real property located in Torrance County, New Mexico, described as follows:

**Township 8 North, Range 11 East, NMPM:**

Section 8: S2  
Section 9: W2  
Section 10: ALL  
Section 14: ALL  
Section 15: ALL  
Section 16: ALL  
Section 17: ALL  
Section 19: ALL  
Section 20: ALL  
Section 21: NE4, S/2  
Section 22: ALL  
Section 23: ALL  
Section 25: ALL  
Section 26: ALL  
Section 27: ALL  
Section 30: ALL  
Section 31: N2, N2S2, N2S2S2  
Section 32: ALL  
Section 33: N2S2  
Section 34: N2S2  
Section 35: N2, N2S2, N2S2S2  
Section 36: ALL



**AFTER RECORDING, RETURN TO:**

Pacific Wind Development LLC  
c/o Iberdrola Renewables LLC  
1125 NW Couch Street, Suite 700  
Portland, OR 97209  
Attn: Elizabeth Gonzalez



TORRANCE COUNTY  
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**MEMORANDUM OF LEASE AGREEMENT  
(NMSLO)**

This **MEMORANDUM OF WIND ENERGY LEASE AGREEMENT** (this "Memorandum") is made, effective as of October 10, 2013 (the "Effective Date"), by and between the **NEW MEXICO COMMISSIONER OF PUBLIC LANDS, NEW MEXICO STATE LAND OFFICE**, whose address for purposes hereof is 310 Old Santa Fe Trail, P.O. Box 1148, Santa Fe, NM 87504-1148 ("Lessor") and **PACIFIC WIND DEVELOPMENT LLC**, an Oregon limited liability company, whose address is Attn: Contracts Administration, 1125 NW Couch Street, Suite 700, Portland, Oregon 97209 ("Lessee").

**RECITALS**

A. Lessor and Lessee are parties to that certain Lease Agreement, dated on the Effective Date herewith (the "Lease"), pursuant to which Lessor has leased to Lessee the real property of Lessor (the "Land") located in San Miguel County, Santa Fe County, and Torrance County, New Mexico, as more particularly described on Exhibit A attached hereto and which Lease and said Exhibit A are hereby incorporated herein as if fully set forth in this Memorandum.

B. Lessor and Lessee have executed and acknowledged this Memorandum for the purpose of providing constructive notice of the Lease. Capitalized terms not otherwise defined in this Memorandum shall have the meanings provided in the Lease.

**AGREEMENT**

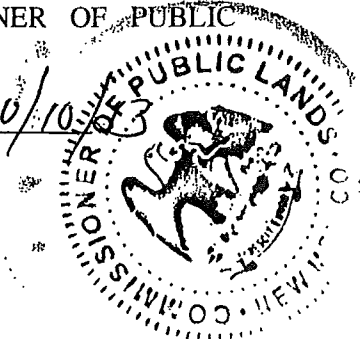
**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessor and Lessee hereby agree, as follows:

1. **Lease.** Pursuant to the Lease, Lessor leases and continues to lease the Land to Lessee, on the terms provided herein.

IN WITNESS WHEREOF, Lessor and Lessee have caused this Memorandum to be executed as of the Effective Date and delivered by their duly authorized representatives.

LESSOR:

NEW MEXICO COMMISSIONER OF PUBLIC  
LANDS  
*Ray Powell* 10/10/13  
RAY Powell, M.S., D.V.M



LESSEE:

PACIFIC WIND DEVELOPMENT LLC,  
an Oregon limited liability company

By: *Rany Raviv*  
Name: Rany Raviv  
Title: Authorized Representative

LEGAL  
*[Signature]*

By: *Scott Jacobson*  
Name: Scott Jacobson  
Title: Authorized Representative

TORRANCE COUNTY  
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**EXHIBIT A  
TO  
MEMORANDUM OF LEASE AGREEMENT  
(NMSLO)**

2013 OCT 9 PM 1 24

Legal Description of Land

Transmission Route

Legal Description Township, Range Section	LOT/ALIQUOT	Acres
<b>In Torrance County, New Mexico</b>		
<b>T7N, R11.5E</b>		
Section 1	Lots 1-6, S1/2 NE1/4, SE1/4	494.57
Section 12	Lots 1-3, NE1/4, NW1/4 SE1/4	332.82
Section 13	Lots 1-4, E1/2	497.08
Section 24	Lots 1-4, E1/2	496.24
<b>T7N, R12E</b>		
Section 18	Lots 3, 4, 6, 7, E1/2 W1/2	320.16
Section 19	Lots 1-4, E1/2 W1/2	320.40
<b>T8N, R11E</b>		
Section 1	Lot 1, E1/2 SE1/4	126.98
Section 12	E1/2 E1/2	160.00
Section 13	E1/2 E1/2	160.00
Section 24	E1/2 E1/2	160.00
<b>T9N, R11E</b>		
Section 1	Pt. Lot 1, Pt. Lot 2, E1/2 SE1/4	160.01
Section 12	E1/2 E1/2	160.00
Section 13	E1/2 E1/2	160.00
Section 24	E1/2 E1/2	160.00
Section 25	E1/2 E1/2	160.00
Section 36	E1/2 E1/2	160.00
<b>T9N, R12E</b>		
Section 6	Lots 4, 5	78.06
<b>In Santa Fe County, New Mexico</b>		
<b>T10N, R11E</b>		
Section 13	E1/2 E1/2	160.00
Section 24	E1/2 E1/2	160.00
Section 25	E1/2 E1/2	160.00
Section 36	E1/2 E1/2	160.00
<b>In San Miguel County, New Mexico</b>		
<b>T10N, R 12E</b>		
Section 18	Lots 1-4	164.38
Section 19	Lots 1-4	160.48
Section 30	Lots 1-4	156.48

Exhibit A

TORRANCE COUNTY  
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 Book 329 Page 4111  
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**TRACT 2**

In Torrance County, New Mexico

2013 OCT 9 PM 1 24

Legal Description  
Township, Range  
Section

LOT/ALIQUOT

Acres

**T4N, R11E**

Section 01	Lots 1-4, S1/2, S1/2 N1/2	657.44
Section 02	Lots 1-4, S1/2, S1/2 N1/2	655.48
Section 03	Lots 1-4, S1/2, S1/2 N1/2	653.32
Section 09	ALL	640.00
Section 10	ALL	640.00
Section 11	ALL	640.00
Section 12	ALL	640.00
Section 13	ALL	640.00
Section 14	N1/2, E1/2 SW1/4, SW1/4 SW1/4, SE1/4	600.00
Section 15	ALL	640.00
Section 16	ALL	640.00
Section 21	W1/2, N1/2 NE1/4, S1/2 SE1/4	480.00
Section 22	S1/2, E1/2 NE1/4, NW1/4 NW1/4	440.00
Section 23	ALL	640.00

**T4N, R12E**

Section 01	ALL	640.00
Section 02	Lots 1-4, S1/2, S1/2 N1/2	639.52
Section 03	Lots 1-4, S1/2, S1/2 N1/2	638.10
Section 10	ALL	640.00
Section 11	ALL	640.00
Section 12	ALL	640.00
Section 13	ALL	640.00
Section 14	ALL	640.00
Section 15	ALL	640.00
Section 16	ALL	640.00
Section 20	ALL	640.00
Section 21	ALL	640.00
Section 28	ALL	640.00
Section 29	ALL	640.00
Section 30	Lots 1-4, E1/2, E1/2 W1/2	639.06
Section 31	Lots 1-4, E1/2, E1/2 W1/2	639.42
Section 32	ALL	640.00

**T5N, R11E**

Exhibit A

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Book 329 Page 4113  
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**AFTER RECORDING, RETURN TO:**

Pacific Wind Development LLC  
c/o Iberdrola Renewables LLC  
1125 NW Couch Street, Suite 700  
Portland, OR 97209  
Attn: Elizabeth Gonzalez



TORRANCE COUNTY  
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Book 329 Page 4092  
1 of 7  
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**MEMORANDUM OF WIND ENERGY LEASE AGREEMENT  
(Wrye)**

This **MEMORANDUM OF WIND ENERGY LEASE AGREEMENT** (this "Memorandum") is made, effective as of October 15, 2013 (the "Effective Date"), by and between **WILLIAM H. WRYE, JR. and JOY K. WRYE**, husband and wife, whose address for purposes hereof is PO BOX 1097 Estancia, NM 87016 ("Landowner") and **PACIFIC WIND DEVELOPMENT LLC**, an Oregon limited liability company, whose address is Attn: Contracts Administration, 1125 NW Couch Street, Suite 700, Portland, Oregon 97209 ("Lessee").

**RECITALS**

A. Landowner and Lessee are parties to that certain Wind Energy Lease Agreement, dated of even date herewith (the "Agreement"), pursuant to which Landowner has leased to Lessee the real property of Landowner (the "Property") located in Torrance County, New Mexico, as more particularly described on Exhibit A attached hereto and which Agreement and said Exhibit A are hereby incorporated herein as if fully set forth in this Memorandum.

B. Landowner and Lessee have executed and acknowledged this Memorandum for the purpose of providing constructive notice of the Agreement. Capitalized terms not otherwise defined in this Memorandum shall have the meanings provided in the Agreement.

**AGREEMENT**

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landowner and Lessee hereby agree, as follows:

- 1. Lease.** Pursuant to the Agreement, Landowner leases and continues to lease the Property to Lessee, on the terms provided herein.
- 2. Purpose of the Lease; Permitted Uses.** The lease created by the Agreement is solely and exclusively for wind energy purposes. Throughout the term of the Agreement, Lessee shall

reductions, offsets and allowances of any kind, howsoever entitled, attributable to the Windpower Facilities or the electric energy, capacity or other generator-based products produced therefrom. The manner of operation of the Windpower Facilities, including but not limited to decisions on when to conduct maintenance, is within the sole discretion of Lessee.

6. **Wind Easement.** Any obstruction to the free flow of the wind by Landowner or persons other than Lessee or a Tenant or Assignee or persons claiming through or under Lessee or a Tenant or Assignee is prohibited throughout the entire area of the Property, which shall consist of horizontally three hundred and sixty degrees (360°) from any point where any Windpower Facilities are or may be located at any time or from time to time to the boundaries of the Property, together vertically through all space located above the surface of the Property. Trees, structures and improvements located on the Property as of the Effective Date shall be allowed to remain, and Lessee may not require their removal. Landowner may not place or plant any trees, structures or improvements on the Property after the Effective Date that may, in Lessee's sole judgment, impede or interfere with the flow of wind to any wind turbine or the Windpower Facilities, unless Landowner has received prior written approval from Lessee for any such trees, structures or improvements.

7. **No Interference.** Landowner's activities and any grant of rights Landowner makes to any person or entity, whether located on the Property or elsewhere, shall not, currently or in the future, impede or interfere with (i) the siting, permitting, construction, installation, maintenance, operation, replacement or removal of Windpower Facilities, whether located on the Property or elsewhere; (ii) the flow of wind, wind speed or wind direction over the Property; (iii) access over the Property to Windpower Facilities, whether located on the Property or elsewhere; or (iv) the undertaking of any other activities of Lessee permitted under the Agreement. In no event during the term of the Agreement shall Landowner construct, build or locate, or allow others to construct, build or locate any wind energy conversion system, wind turbine, or similar project on the Property.

8. **Miscellaneous.**

8.1 **Successors and Assigns.** The Agreement shall burden the Property and run with the land. Any transfer or assignment by Landowner of the rights and obligations under the Agreement (including but not limited to any assignment of payments or other partial assignments) shall be subject to the terms of the Agreement. Any assignment by Landowner or Lessee in violation of the Agreement shall be void and invalid. The Agreement shall inure to the benefit of and be binding upon Landowner and Lessee and, to the extent provided in any assignment or other transfer under the Agreement, any Assignee or Tenant, and their respective heirs, transferees, successors and assigns, and all persons claiming under them.

8.2 **Conflict.** In the event of any conflict or inconsistency between the provisions of this Memorandum and the provisions of the Agreement, the provisions of the Agreement shall control. Nothing in this Memorandum shall be deemed to amend, modify, change, alter, amplify, limit, interpret or supersede any provision of the Agreement or otherwise limit or expand the rights and obligations of the parties under the Agreement, and the Agreement shall control over this Memorandum in all events.



IN WITNESS WHEREOF, Landowner and Lessee have caused this Memorandum to be executed as of the Effective Date and delivered by their duly authorized representatives.

**LANDOWNER:**

WILLIAM H. WRYE, JR. and JOY K. WRYE,  
husband and wife

By: William H. Wrye Jr  
Name: William H. Wrye Jr

By: Joy K Wrye  
Name: Joy K Wrye

**LESSEE:**

PACIFIC WIND DEVELOPMENT LLC,  
an Oregon limited liability company

By: [Signature]  
Name: Rany Raviv  
Title: Authorized Representative

LEGAL  
[Signature]

By: [Signature]  
Name: Scott Jacobson  
Title: Authorized Representative

TORRANCE COUNTY  
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BY SYLVIA

**EXHIBIT A  
TO  
MEMORANDUM OF WIND ENERGY LEASE AGREEMENT  
(Wrye)**

**Legal Description of Property**

All that real property located in Torrance County, New Mexico, described as follows:

Township 6 North, Range 11 East, New Mexico Prime Meridian (N.M.P.M.):

Section 2: ALL  
Section 3: S $\frac{1}{2}$   
Section 4: SW $\frac{1}{4}$ , N $\frac{1}{2}$ NW $\frac{1}{4}$ , SE $\frac{1}{4}$ NW $\frac{1}{4}$   
Section 5: ALL  
Section 6: ALL

Township 7 North, Range 11 East, New Mexico Prime Meridian (N.M.P.M.):

Section 2: ALL  
Section 11: ALL  
Section 12: ALL  
Section 14: ALL  
Section 16: ALL  
Section 20: S $\frac{1}{2}$ , S $\frac{1}{2}$ N $\frac{1}{2}$   
Section 21: ALL  
Section 22: ALL  
Section 23: E $\frac{1}{2}$ W $\frac{1}{2}$   
Section 24: ALL  
Section 26: ALL  
Section 27: N $\frac{1}{2}$ NW $\frac{1}{4}$ , SE $\frac{1}{4}$ NW $\frac{1}{4}$ , S $\frac{1}{2}$ SW $\frac{1}{4}$   
Section 31: ALL  
Section 32: ALL  
Section 33: S $\frac{1}{2}$ N $\frac{1}{2}$ , NE $\frac{1}{4}$ NE $\frac{1}{4}$ , N $\frac{1}{2}$ S $\frac{1}{2}$ , SE $\frac{1}{4}$ SE $\frac{1}{4}$   
Section 34: W $\frac{1}{2}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ SW $\frac{1}{4}$   
Section 36: ALL

Township 7 North, Range 11  $\frac{1}{2}$  East, New Mexico Prime Meridian (N.M.P.M.)

Section 12: S $\frac{1}{2}$ S $\frac{1}{2}$ , NE $\frac{1}{4}$ SE $\frac{1}{4}$   
Section 36: ALL

Township 7 North, Range 12 East, New Mexico Prime Meridian (N.M.P.M.)

Section 6: ALL  
Section 7: ALL

Total: Approximately 13,720 acres

**Exhibit C**  
**Torrance County Zoning Ordinance Requirements**  
**for Special Use District**

<b>La Joya and Lucia Energy Project Zoning Ordinance Amendment/Special Use District</b>		
<b>Subsection of Ordinance</b>	<b>Requirement</b>	<b>Applicant Response</b>
Section 16 (A)(1,2,3)	The County Commission may not grant a zone change for establishment of a Special Use District unless satisfactory provisions have been made: <ol style="list-style-type: none"> <li>1. To Assure that compatibility of property uses shall be maintained in the general area;</li> <li>2. To preserve the integrity and character of the area in which the Special Use District will be located, and the utility and value of property in the Special Use District and in the adjacent zone districts; and</li> <li>3. To assure that the Special Use District will not become detrimental to the public health, safety, or general welfare of the County.</li> </ol>	Section 4, 6.1, and 6.2 of Application
Section 16 (D)(10)(e)(1)	The applicant and landowner's name and contact information	Section 9 of Application
Section 16 (D)(10)(e)(2)	The Assessor's parcel map numbers, existing use and acreage of the site parcel.	Section 3 of Application; Exhibit B
Section 16 (D)(10)(e)(3)	A survey map at an appropriate scale showing the proposed location of the wind energy facility (including access roads) as it relates to the boundaries of the parcel, adjacent ownerships and existing residences/schools, churches, hospitals, or libraries to a distance of 2,000 feet (or other measure).	Exhibit A
Section 16 (D)(10)(e)(4)	A survey map at an appropriate scale showing any federal, state, county or local parks, recognized historic or heritage sites, state-identified wetlands or important bird areas as identified in federal, state, county, or local GIS databases or other generally-available documentation.	Exhibit I
Section 16 (D)(10)(e)(5)	Standard drawings of the wind turbine structure, including the tower, base and footings, drawings of access roads, and including an engineering analysis and certification of the tower, showing compliance with the applicable building code.	Exhibit L
Section 16 (D)(10)(e)(6)	Data pertaining to the tower's safety and stability, including safety results from test facilities.	Exhibit L
Section 16 (D)(10)(e)(7)	Proposal for landscaping and screening.	Based on the visual characteristics of the existing landscape (flat to rolling topography and low profile vegetation), and the large scale of the project facilities, landscaping and screening would not be effective in most situations—and could result in attracting additional viewer attention to the Project. Applicant will work

La Joya and Lucia Energy Project Zoning Ordinance Amendment/Special Use District		
Subsection of Ordinance	Requirement	Applicant Response
	operational difficulty and propose a corrective action plan. The corrective action shall be completed within 6 months. If the corrective action is not completed, the County may require removal of the inoperative turbine and tower.	
Section 16 (D)(10)(f)(2)(a)	To the extent practicable, the facility shall combine transmission lines and points of connection to local distribution lines.	Section 5.3.3 of Application
Section 16 (D)(10)(f)(2)(b)	To the extent practicable, the facility shall connect to existing substations, or if new substations are needed, minimize the number of new substations.	Section 5.3.3 of Application
Section 16 (D)(10)(f)(2)(c)	Electrical controls and control wiring and power lines shall be wireless or underground except where wind farm collector wiring is brought together for connection to the transmission or distribution network, adjacent to that network.	Section 5.3.3 of Application
Section 16 (D)(10)(f)(3)(a)	Each wind turbine shall be set back from the nearest property line a distance no less 1.1 times its total height, unless appropriate easements are secured from adjacent property owners.	Section 5.3.5 of Application
Section 16 (D)(10)(f)(3)(b)	Each wind turbine shall be set back from the nearest public road a distance no less than 1.1 times its total height, determined at the nearest boundary of the underlying right-of-way for such public road.	Section 5.3.5 of Application
Section 16 (D)(10)(f)(3)(c)	Each wind turbine shall be set back from the nearest above-ground public electric power line or telephone line a distance no less than 1.1 times its total height, determined from the existing power line or telephone line.	Section 5.3.5
Section 16 (D)(10)(f)(4)(a)	Audible noise due to wind energy facility operations shall not exceed fifty (50) dBA for any period of time, when measured at any occupied residence, school, hospital, church or public library existing on the date of approval of the wind energy facility.	Section 5.11 of Application; Exhibit P
Section 16 (D)(10)(f)(4)(b)	The applicant shall minimize or mitigate any interference with electromagnetic communications, such as radio, telephone or television signals caused by any wind energy facility.	Section 5.3.7 of Application
Section 16 (D)(10)(f)(4)(c)	No individual tower facility shall be installed in any location where its proximity with fixed broadcast, retransmission or reception antenna for radio, television or wireless phone or other personal communications systems would produce electromagnetic interference with signal transmission or reception.	Section 5.3.7 of Application
Section 16 (D)(10)(f)(5)(a)	Wind turbines shall not be used for displaying any advertising except for reasonable identification of the manufacturer or operator of the wind energy facility.	Section 5.6.1.4 of Application
Section 16 (D)(10)(f)(5)(b)	The design of the buildings and related structures shall, to the extent reasonably possible, use materials, colors, textures, screening and landscaping that will blend the facility into the natural setting and existing environment.	Applicant will work with the County to identify measures to mitigate visual impacts to sensitive receptors once more detailed design information is available.

La Joya and Lucia Energy Project Zoning Ordinance Amendment/Special Use District		
Subsection of Ordinance	Requirement	Applicant Response
		viewer attention to the Project. Applicant will work with the County to identify measures to mitigate visual impacts to sensitive receptors once more detailed design information is available.  Section 5.9.3 of the Application (for stormwater)
Section 16 (D)(11)(e)(9)	A completed Environmental Assessment Form.	Section 5.3.8 and Table 1 of Application
Section 16 (D)(11)(e)(10)	A project visibility map, based on a digital elevation model, showing the impact of topography upon visibility of the project from other locations, to a radius of three miles from the center of the project. The scale used shall depict the three-mile radius as no smaller than 2.7 inches, and the base map used shall be a published topographic map showing man-made features, such as roads and buildings.	Exhibit R
Section 16 (D)(11)(e)(11)	No fewer than four color photos, no smaller than 4" by 6", taken from the each of the four cardinal directions from locations within a three-mile radius from the site.	Exhibit R
Section 16 (D)(11)(e)(12)	Images of the photos from paragraph 10 above shall be computer-enhanced to simulate the appearance of the as-built site facilities as they would appear from the location where the photos were taken.	Exhibit R
Section 16 (D)(11)(f)(1)(a)	The solar energy facility has been designed and would be operated to prevent the misdirection of concentrated solar radiation onto nearby property, public roads or other areas accessible by the public.	Not Applicable. Concentrated solar is not proposed in this Project.
Section 16 (D)(11)(f)(1)(b)	The solar energy facility has been designed and would be operated to protect public safety, including development and implementation of a plan of operating procedures to prevent public access to hazardous areas, including appropriate warning signage on electrical equipment and at the solar energy facility entrances.	Section 5.12 of Application
Section 16 (D)(11)(f)(1)(c)	The solar energy facility is not located adjacent to, or within the control zone, of any airport.	Section 5.12 of Application
Section 16 (D)(11)(f)(1)(d)	During the operation, all chemicals or solvents used to clean photovoltaic panels or heliostats would be low in volatile organic compounds and the operator would use recyclable or biodegradable products to the extent possible.	Section 5.12 of Application
Section 16 (D)(11)(f)(1)(e)	Any component of the solar energy facility found to be unsafe by a local, state or federal agency shall be repaired by the owner to meet federal, state and local safety standards or removed within six months.	Applicant will discuss permit conditions with the County.
Section 16 (D)(11)(f)(1)(f)	If the solar energy facility is not operated for a continuous period of 12 months, the owner shall notify the County within 30 days of such occurrence and shall set forth reasons for the operational difficulty and propose a corrective action	Applicant will discuss permit conditions with the County.

La Joya			
Township	Range	Section	Parcel Description
6N	11E	2	All of this section
6N	11E	6	All of this section
6N	11E	3	All of this section
6N	11E	5	All of this section
6N	11E	4	All of this section
7N	11E	1	All of this section
7N	11E	6	All of this section
7N	11E	2	All of this section
7N	11E	10	All of this section
7N	11E	12	All of this section
7N	11E	11	All of this section
7N	11E	18	All of this section
7N	11E	17	All of this section
7N	11E	15	All of this section
7N	11E	13	All of this section
7N	11E	16	All of this section
7N	11E	14	All of this section
7N	11E	20	All of this section
7N	11E	19	All of this section
7N	11E	21	All of this section
7N	11E	24	All of this section
7N	11E	22	All of this section
7N	11E	23	All of this section
7N	11E	28	All of this section
7N	11E	27	All of this section
7N	11E	26	All of this section
7N	11E	25	All of this section
7N	11E	29	All of this section
7N	11E	30	All of this section
7N	11E	32	All of this section
7N	11E	34	All of this section
7N	11E	35	All of this section
7N	11E	33	All of this section
7N	11E	36	All of this section
7N	11E	31	All of this section
7N	11E	1	All of this section
7N	11E	12	All of this section
7N	11E	13	All of this section
7N	11E	24	All of this section
7N	11E	25	All of this section
7N	11E	36	All of this section
7N	12E	1	S 1/2 SE1/4
7N	12E	2	N 1/2; N 1/2 SW 1/4; N 1/2 SE 1/4
7N	12E	6	All of this section
7N	12E	7	All of this section
7N	12E	18	W 1/2
7N	12E	19	W 1/2



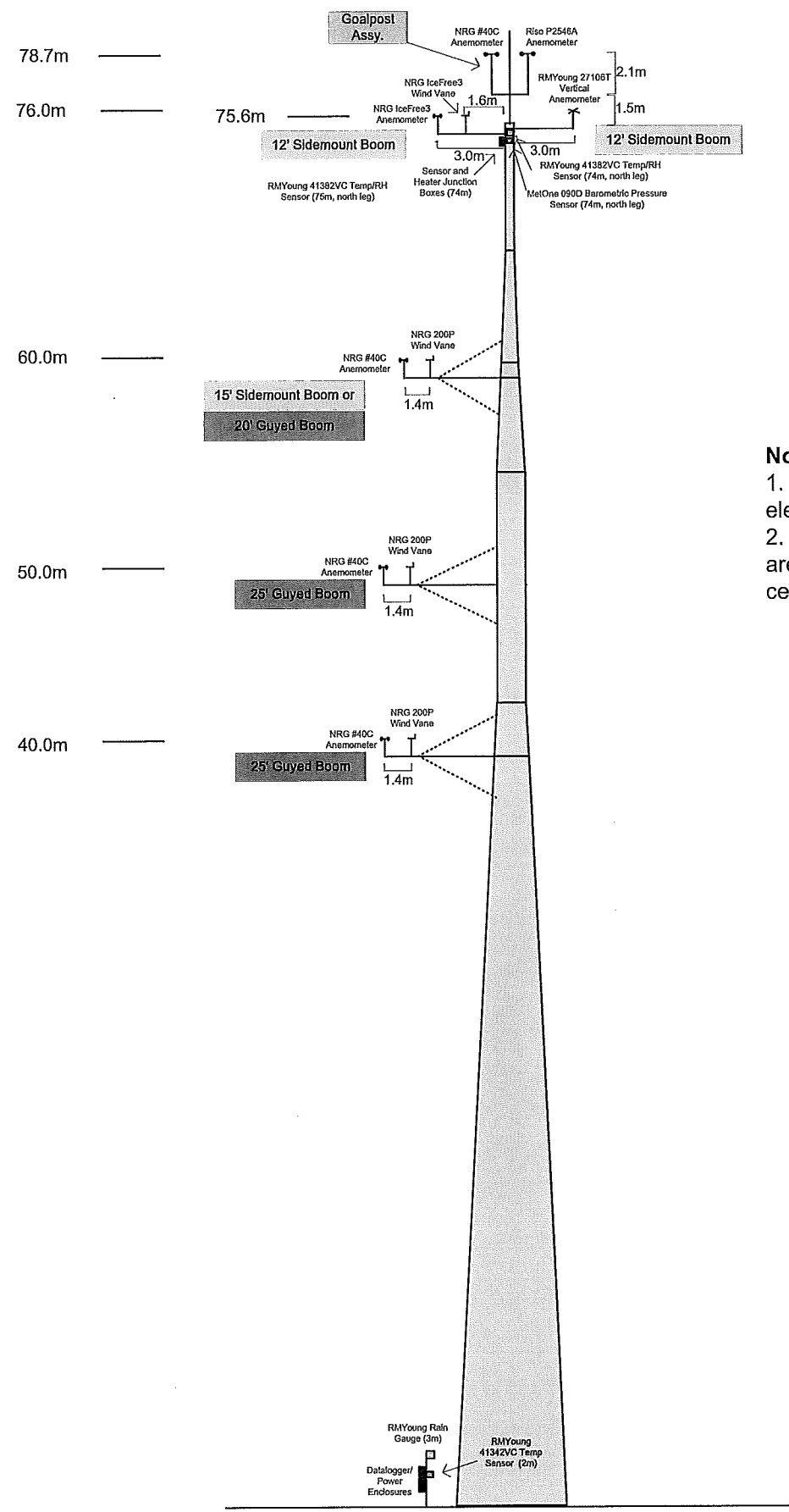
Lucia			
Township	Range	Section	Parcel Description
4N	11E	3	All of this section
4N	11E	2	All of this section
4N	11E	1	All of this section
4N	11E	10	All of this section
4N	11E	9	All of this section
4N	11E	11	All of this section
4N	11E	12	All of this section
4N	11E	15	All of this section
4N	11E	13	All of this section
4N	11E	16	All of this section
4N	11E	14	All of this section Except; NW 1/4 SW 1/4
4N	11E	21	W 1/2; N 1/2 NE 1/4; S 1/2 SE 1/4
4N	11E	22	S 1/2; E 1/2 NE 1/4; NW 1/4 NW 1/4
4N	11E	23	All of this section
4N	12E	3	All of this section
4N	12E	2	All of this section
4N	12E	1	All of this section
4N	12E	10	All of this section
4N	12E	11	All of this section
4N	12E	12	All of this section
4N	12E	15	All of this section
4N	12E	13	All of this section
4N	12E	16	All of this section
4N	12E	14	All of this section
4N	12E	21	All of this section
4N	12E	20	All of this section
4N	12E	28	All of this section
4N	12E	29	All of this section
4N	12E	30	All of this section
4N	12E	31	All of this section
4N	12E	32	All of this section
5N	11E	23	All of this section
5N	11E	24	All of this section Except; E 1/2 NE 1/4
5N	11E	26	All of this section
5N	11E	25	All of this section
5N	11E	36	All of this section
5N	11E	35	All of this section
5N	12E	30	All of this section
5N	12E	28	All of this section
5N	12E	29	All of this section
5N	12E	32	All of this section
5N	12E	33	All of this section

(79m, Ice)

# Iberdrola Renewables 79m Icing Environment Met Tower Elevation Drawing

John Lyons, DNV-GEC

Scale: 1:340

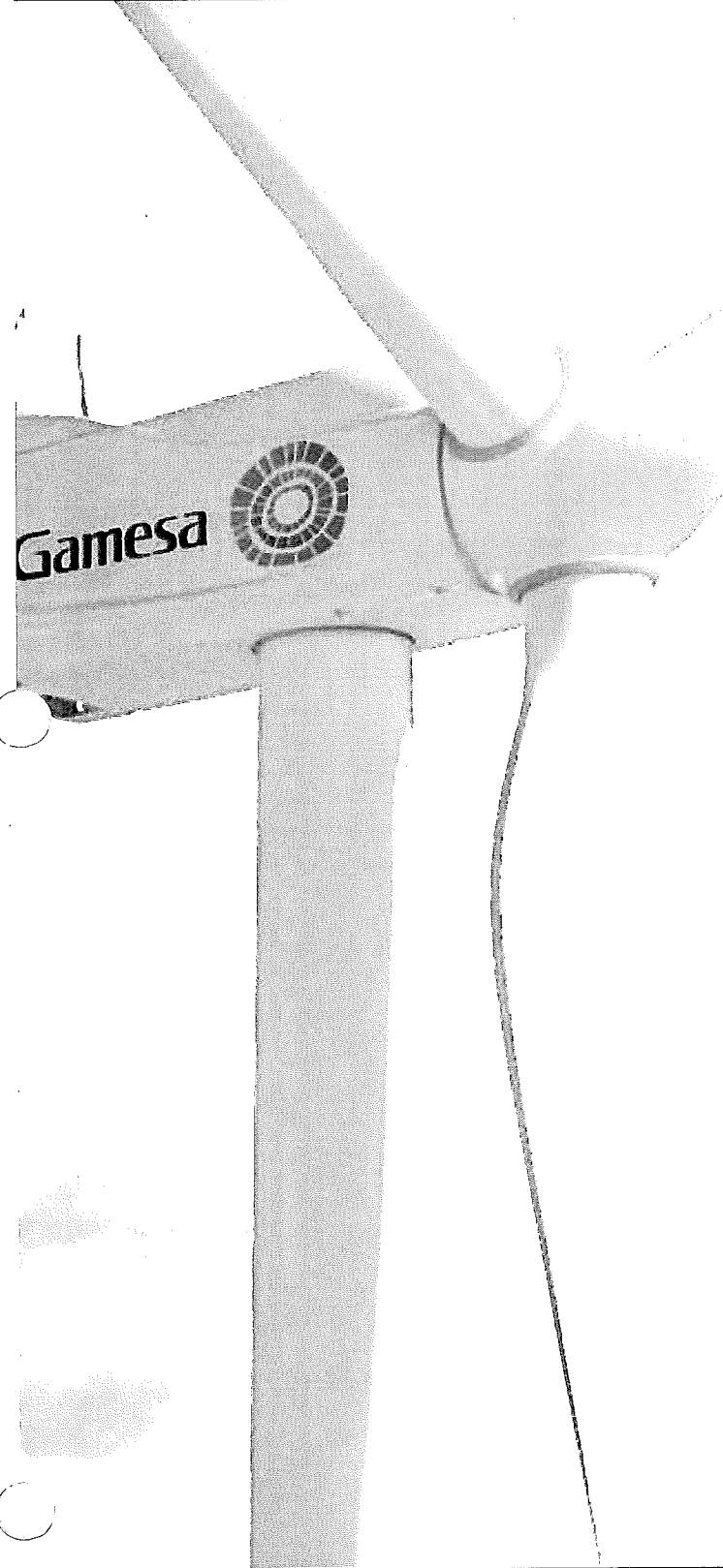


**Notes:**

- 1. Elevations shown are sensor elevations.
- 2. Unless otherwise noted, sensors are located 0.91m (3') above the centerline of the booms.

# G114-2.0 MW

Greater energy produced from low and medium wind sites



As part of its ongoing commitment to technological solutions that guarantee maximum profit for its customers, Gamesa launched the G114-2.0 MW wind turbine.

With a 114 meter rotor and 2.0 MW rated power, the G114-2.0 MW is the newest Class II/III model for the Gamesa 2.0 MW platform, one of the most successful in the industry, having 22 GW installed capacity and availability levels well above 98%.

In serial production since 2014, the low power density featured on this model sets a new industry standard for profitability specially in low-wind sites.

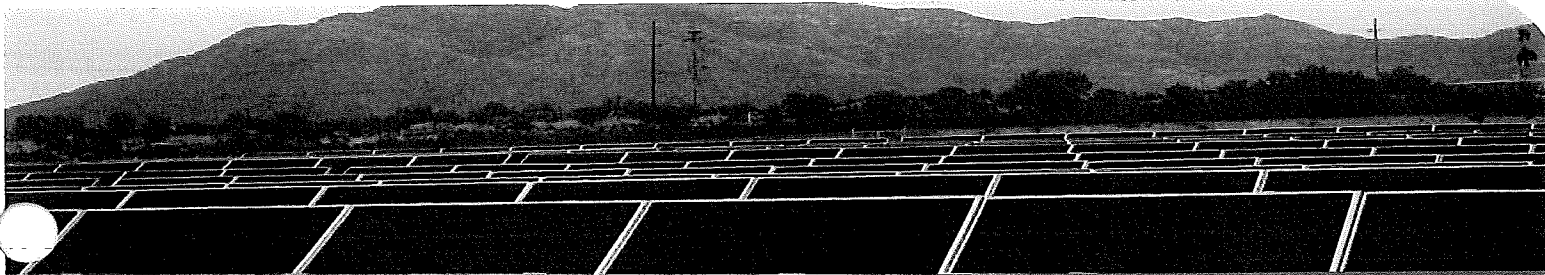
- ▶ MINIMUM POWER DENSITY
- ▶ IMPROVED CoE
- ▶ MAXIMUM PROFITABILITY
  
- ▶ G114-2.1 MW  
ALSO AVAILABLE



GLOBAL TECHNOLOGY  
EVERLASTING ENERGY

Gamesa





## SunPower® Performance Series | P17

SunPower® Performance Series panels are designed to deliver consistent performance for many decades in commercial applications.

### Increased Energy Production

The Performance Series modules deliver more energy due to higher performance in row-to-row shading, enabling closer row spacing and more energy from the same area. The unique parallel circuitry limits shading loss to the shaded area only instead of much larger sections of energy loss in conventional panels.<sup>1</sup>

*Design Tip: When modeling P-Series energy performance be sure to use linear shading losses. For more detailed guidance please visit <https://us.sunpower.com/sites/sunpower/files/media-library/manuals/mn-sunpower-p-series-modeling-guide.pdf>*

### Higher Efficiency

The Performance Series design minimizes white space between solar cells, eliminates reflective metal lines on the cells, and lowers electrical resistance between cells, increasing efficiency compared to Conventional Commercial Panels.<sup>2</sup>

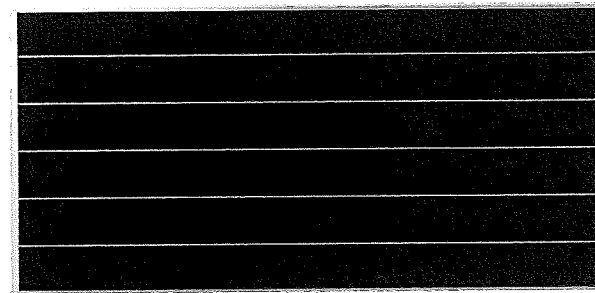
### High Reliability

Innovative panel design uses flexible and redundant electrical connections between solar cells to deliver enhanced reliability.

### SunPower Quality

Tested to SunPower's rigorous quality standards, and backed by the industry's best Combined Power and Product Warranty.

### High Performance & Excellent Reliability

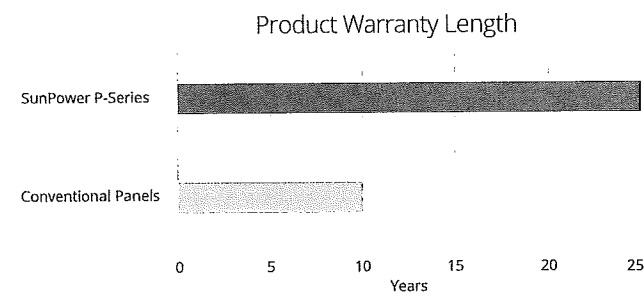


SPR-P17-350-COM

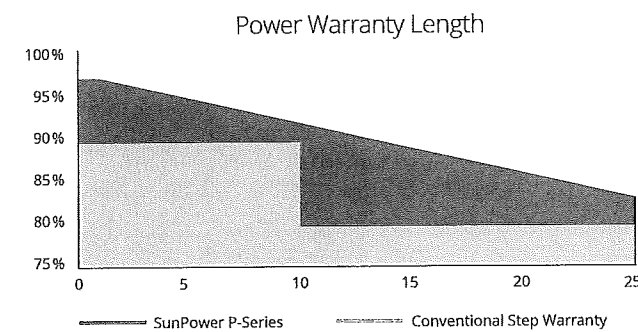


### 25 Year Combined Warranty

Protect your investment

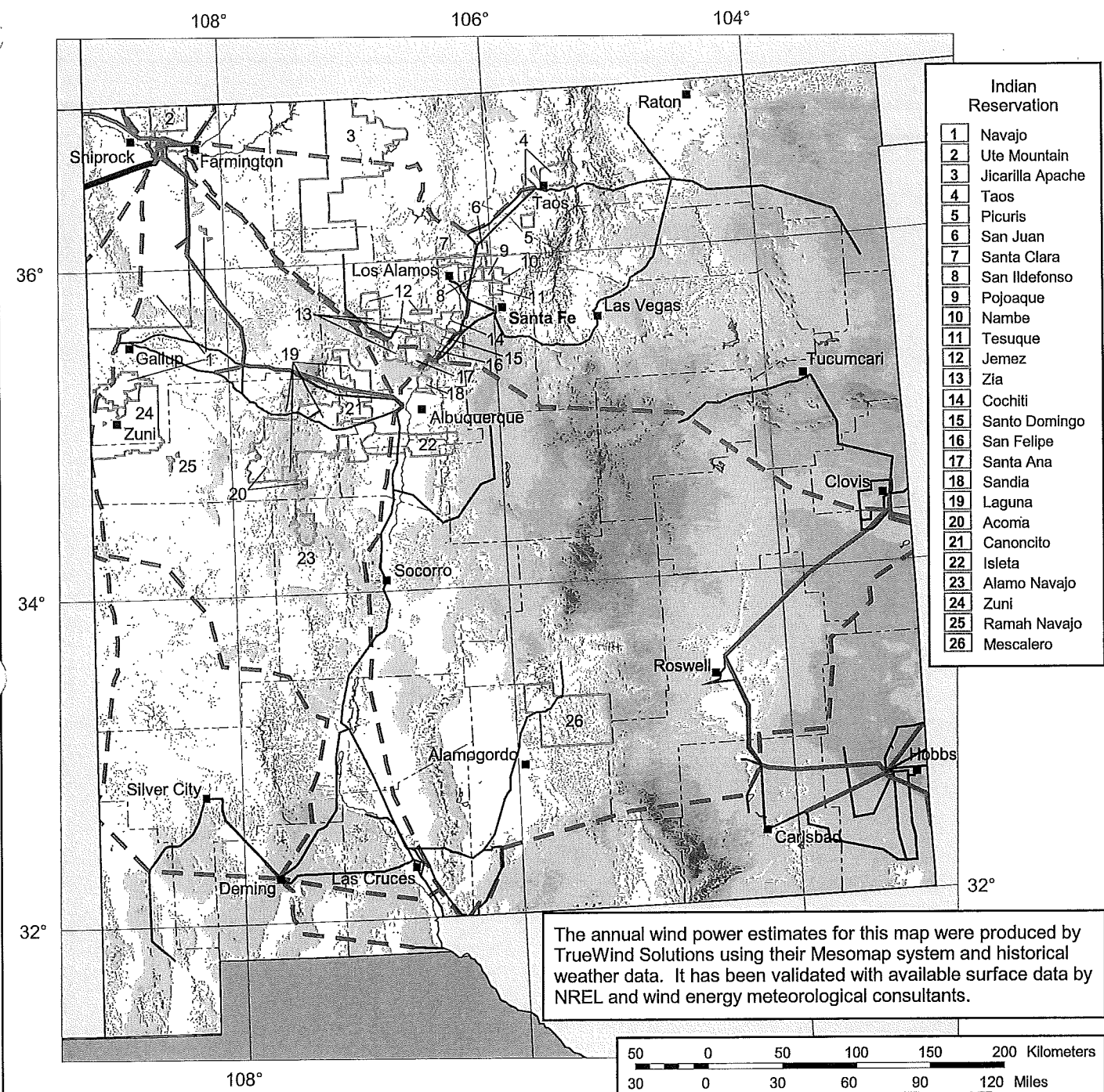


SunPower provides the best 25 year Combined Power and Product warranty in the industry, providing coverage regardless of product defect or power loss.



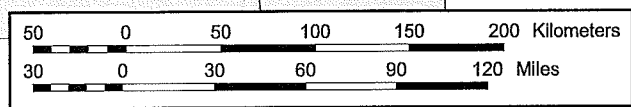
SunPower's Performance Series is warranted to produce more than 97% power in the first year, then declining by 0.6% per year, ending at 82.6% power after 25 years.

# New Mexico - Wind Resource at 50 m



- Indian Reservation**
- 1 Navajo
  - 2 Ute Mountain
  - 3 Jicarilla Apache
  - 4 Taos
  - 5 Picuris
  - 6 San Juan
  - 7 Santa Clara
  - 8 San Ildefonso
  - 9 Pojoaque
  - 10 Nambe
  - 11 Tesuque
  - 12 Jemez
  - 13 Zia
  - 14 Cochiti
  - 15 Santo Domingo
  - 16 San Felipe
  - 17 Santa Ana
  - 18 Sandia
  - 19 Laguna
  - 20 Acoma
  - 21 Canoncito
  - 22 Isleta
  - 23 Alamo Navajo
  - 24 Zuni
  - 25 Ramah Navajo
  - 26 Mescalero

The annual wind power estimates for this map were produced by TrueWind Solutions using their Mesomap system and historical weather data. It has been validated with available surface data by NREL and wind energy meteorological consultants.



Wind Power Classification				
Wind Power Class	Resource Potential	Wind Power at 50 m W/m <sup>2</sup>	Wind Speed <sup>a</sup> at 50 m m/s	Wind Speed <sup>a</sup> at 50 m mph
1	Poor	0 - 200	0.0 - 5.9	0.0 - 13.2
2	Marginal	200 - 300	5.9 - 6.7	13.2 - 15.0
3	Fair	300 - 400	6.7 - 7.4	15.0 - 16.6
4	Good	400 - 500	7.4 - 7.9	16.6 - 17.7
5	Excellent	500 - 600	7.9 - 8.4	17.7 - 18.8
6	Outstanding	600 - 800	8.4 - 9.3	18.8 - 20.8
7	Superb	> 800	> 9.3	> 20.8

<sup>a</sup> Wind speeds are based on a Weibull k of 2.0 at 1500 m elevation.

Transmission Line*	
Voltage (kV)	
	115 - 138
	230
	345
	500

\* Source: POWERmap, ©2002 Platts, a Division of the McGraw-Hill Companies



**CLASS I CULTURAL RESOURCES RECORDS CHECK  
FOR THE LA JOYA AND LUCIA ENERGY PROJECT  
TORRANCE COUNTY, NEW MEXICO**

Prepared for:

**Pacific Wind, LLC**

For submittal to:

**Torrance County Planning & Zoning Department**

Prepared by:

**Cara Lonardo**

Environmental Planning Group, LLC  
4141 N. 32<sup>nd</sup> Street, Suite 102  
Phoenix, Arizona 85018

**EPG Cultural Resource Services Technical Paper No. 2017-01**

**February 2017**

**Restrict Distribution**

To prevent vandalism, restrict information in this report about the location of archaeological sites.

**National Archaeological Database (NADB)**

*Type of Study:* Literature Search *Sites Recorded/Updated:* None *Isolated Finds Recorded/Updated:* None  
*USGS 7.5 Min Quadrangles:* Lobo Hill NE, Lobo Hill SE, Rock Lake, Rattlesnake Hill, Waller Ranch, North  
Lucy, Lucy, Pedernal, Pedernal Mountain, Negra, Negra SE, and Negra SW, New Mexico *Purpose of  
Investigation:* Application for Zoning Ordinance Amendment for Special Use District *Keywords:* La Joya,  
Lucia, Alternative Energy



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## 1.0 Introduction

Pacific Wind, LLC is seeking a Zoning Ordinance Amendment for a Special Use District for development of the proposed La Joya and Lucia Energy Project (Project) in Torrance County, New Mexico (County). The Project comprises two separate energy project sites, the La Joya facility and the Lucia facility, proposed to be located approximately 18 miles east of Estancia, NM and 17 miles east of Willard, New Mexico respectively (Figure 1). Both proposed facility sites are located on lands managed by the New Mexico State Land Office and privately owned lands and together would generate up to 800 megawatts (MW) of electricity.

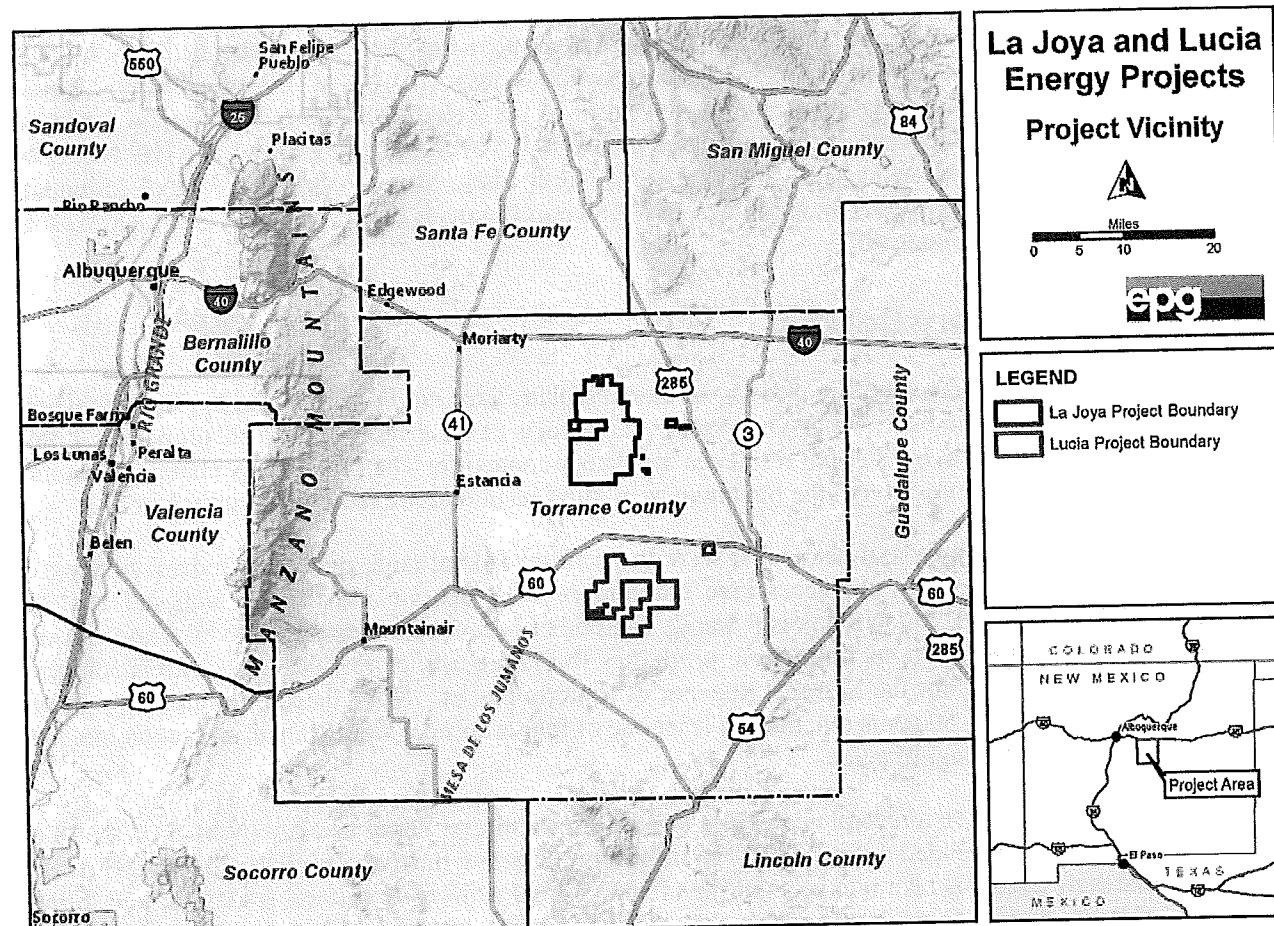


Figure 1 Project Vicinity Map

The proposed Project consists of two energy electrical-generating facilities located in two distinct areas, which collectively will be referred to as the Project Area:

- La Joya facility (La Joya)—a 42,400-acre area north of US 60 consisting of up to 201 wind turbines and a single photovoltaic (PV) solar array; and
- Lucia facility (Lucia)—a 28,750-acre area south of US 60 consisting of up to 200 wind turbines and a single PV solar array.

Both facilities would have supporting components, including access roads, aboveground and belowground electrical collector systems, permanent meteorological towers, operations and maintenance (O&M) buildings, and step-up/collection substations. Energy generated by the facilities would be transmitted to an interconnection with the Public Service Company of New Mexico (PNM) system near Clines Corner using

(NMCRIS), an online resource providing textual and geospatial information on recorded prehistoric and historic cultural resources and previously conducted cultural resource studies in the State of New Mexico. All pertinent cultural maps and records of previously recorded cultural resources and previous cultural surveys within the study and buffer areas were acquired, and the information was evaluated and then archived for future referral. In addition, EPG consulted the National Register of Historic Places (NRHP) database, which contains information on historic properties that have been listed on the NRHP.

## 4.0 Results and Recommendations

The NMCRIS literature search revealed that the vast majority of the study area is unsurveyed for cultural resources. Between 1981 and 2013, fifteen cultural resources surveys, including several linear surveys, were conducted, covering approximately 1.2 percent of the study area. These previous surveys were performed for a variety of projects, including transmission lines, pipelines, roads, and land development.

Previous work recorded 16 cultural sites within the study area (Figure 2 and Figure 3; Table 1). Thirteen of the sites are prehistoric, primarily consisting of artifact scatters and thermal features. Three sites with historic artifacts and features (a road and thermal and ranching features) have also been recorded within the study area. No NRHP-listed properties are located within the study area, though four sites have been determined eligible for listing. Three sites were determined not eligible, and the remainder are unevaluated. As discussed above, sites considered eligible for the NRHP under federal or state law would require mitigation if a proposed undertaking was determined to have an adverse effect. In addition, sites considered potentially eligible or unevaluated would require further testing to determine their eligibility for the NRHP, and if determined eligible, would require mitigation of adverse effects as well. Sites determined not eligible for the NRHP would require no additional mitigation effort, however.

Because so little of the study areas has been previously surveyed, it is difficult to draw any meaningful conclusions about the distribution of previously recorded archaeological sites as a predictor of site locations in the remainder of the study areas. In the La Joya study area, three sites are clustered along Canyon Draw (LA 25676, LA 60985, and LA 109486) and may be located to take advantage of a water source, but the location of the remainder of previously recorded sites in this study area does not appear to be governed by proximity to water. The density of previously recorded sites, especially when viewed in light of how little of both study areas has undergone formal survey, suggests that overall site density in this area may be relatively high. However, of those sites that have been formally evaluated for eligibility to the NRHP, approximately half have been determined eligible and would require additional cultural resources work if a proposed undertaking, such as the Project, were determined to have an adverse effect on those properties. Thus, the density of NRHP eligible sites requiring additional cultural resources work in these study areas may only be moderate.

In order to better understand the cultural resources issues that may impact project development, EPG recommends that a Class III cultural resources inventory be conducted in both study areas. If inventory is undertaken prior to project development, avoidance areas can be identified prior to project design, providing greater opportunity to avoid cultural resources and minimize cultural resources costs and scheduling issues, and fatal flaws can be identified early in project development. In addition, recent guidance from the New Mexico State Land Commissioner suggests that projects proactively addressing cultural resources on state lands may have fewer issues moving through the State Land Office permitting process (Strickler 2016).

Class III inventory can be approached in one of two ways. First, Pacific Wind, LLC could identify portions of each study area most likely to be developed and inventory could focus on only those areas. If unavoidable historic properties, which are eligible for the NRHP, are identified in these initial inventory areas, additional inventory areas may be added for project alternatives. Under this approach, multiple field mobilizations may be necessary to complete Class III inventory. Second, Pacific Wind, LLC may choose to inventory

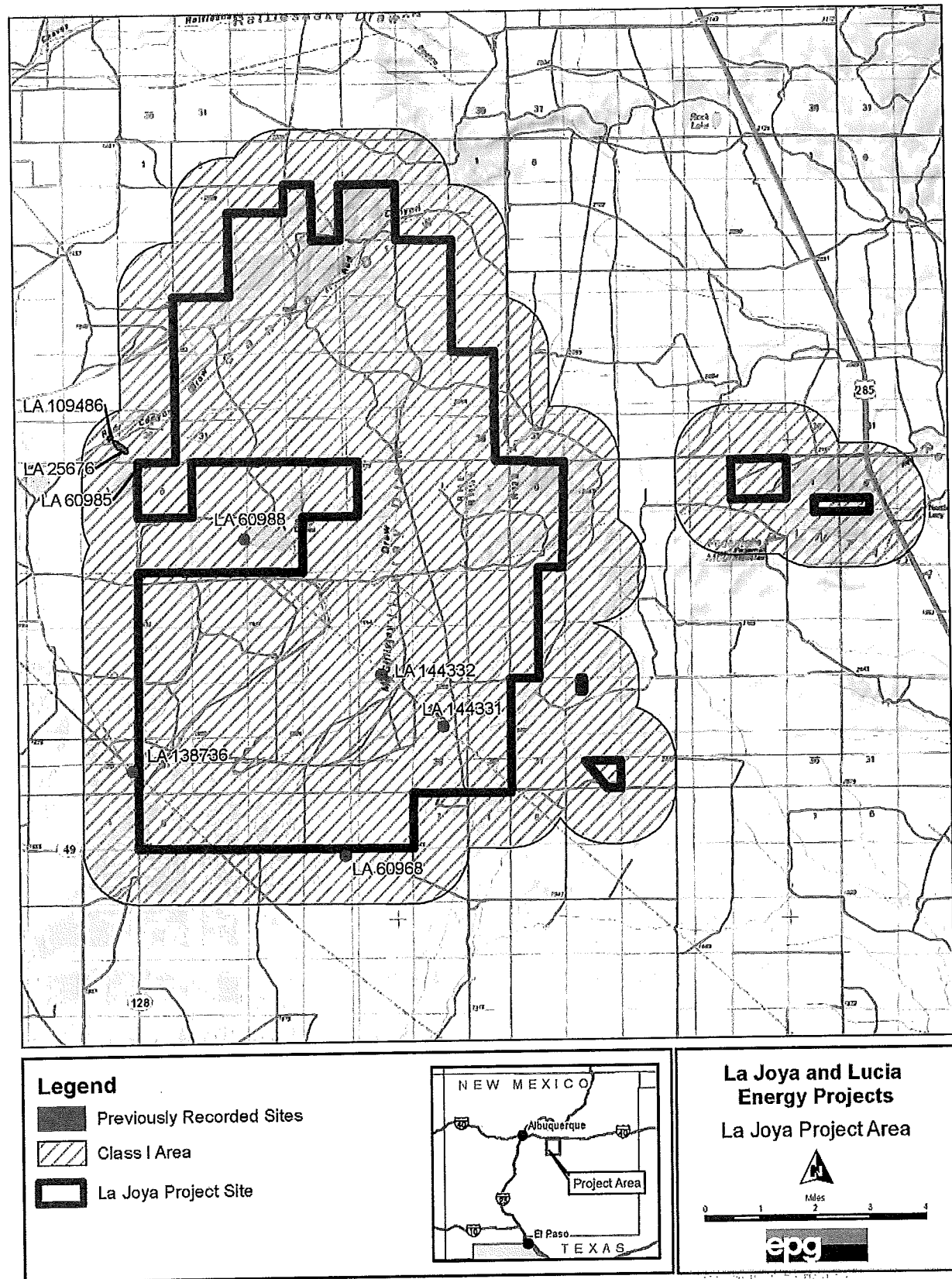


Figure 2 Location of Cultural Resources in the La Joya Project Site

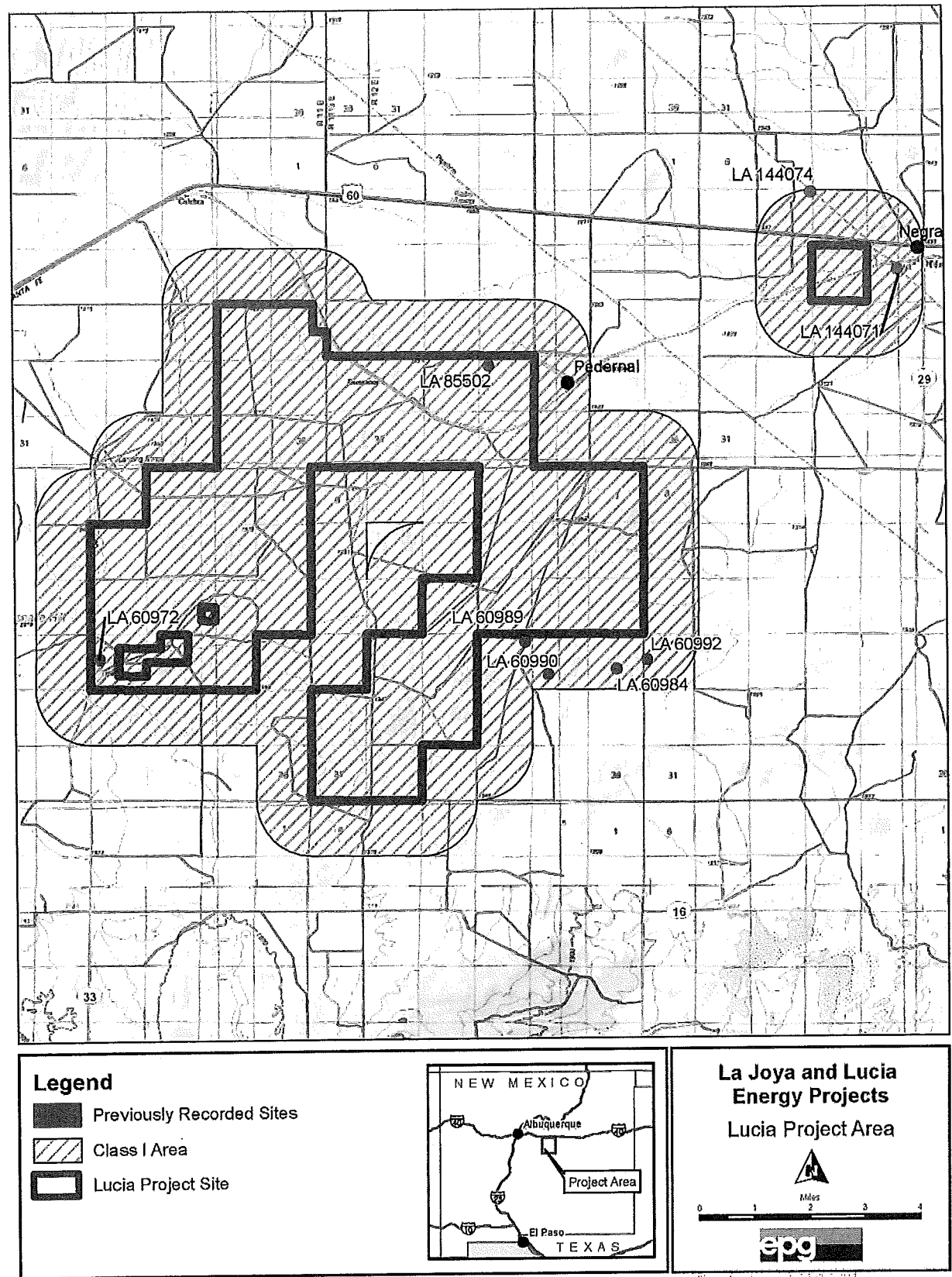


Figure 3 Location of Cultural Resources in the Lucia Project Site

## 5.0 References

- NMCRIS. 2016. New Mexico Cultural Resource Information System. Electronic Resource, <https://nmcris.dca.state.nm.us/>, accessed December 18, 2016.
- NRHP. 2016. National Register of Historic Places. Electronic Resource, <https://npgallery.nps.gov/nrhp>, accessed December 18, 2016.
- Strickler, Emily. 2016. Land Commissioner Implements New Policy to Protect Cultural Resources on State Trust Lands, [http://www.nmstatelands.org/uploads/PressRelease/7c63bfca932547d89f9afbbe8739d0aa/Land\\_Commissioner\\_Implements\\_New\\_Policy\\_to\\_Protect\\_Cultural\\_Resources\\_on\\_State\\_Trust\\_Lands.pdf](http://www.nmstatelands.org/uploads/PressRelease/7c63bfca932547d89f9afbbe8739d0aa/Land_Commissioner_Implements_New_Policy_to_Protect_Cultural_Resources_on_State_Trust_Lands.pdf), accessed 30 January, 2017.



**BIOLOGICAL EVALUATION  
FOR THE LA JOYA AND LUCIA ENERGY PROJECT  
TORRANCE COUNTY, NEW MEXICO**

Prepared for

**Avangrid Renewables**

Prepared by

**Environmental Planning Group, LLC**

650 NE Holladay Street, 16th Floor  
Portland, Oregon 97232

**February 2017**

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## Acronyms and Abbreviations

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### B

BE	Biological Evaluation
BGEPA	Bald and Golden Eagle Protection Act
BHCA	Bird Habitat Conservation Areas
BISON-M	Biota Information Source of New Mexico

### C

CFR	Code of Federal Regulations
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### E

EPG	Environmental Planning Group, LLC
ESA	Endangered Species Act

### F

°F	Fahrenheit
FEMA	Federal Emergency Management Agency

### H

HU	Hydrologic Units
HUC	Hydrologic Unit Codes

### I

IBA	Important Bird Areas
IWJV	Intermountain West Joint Venture

### M

MBTA	Migratory Bird Treaty Act
MW	megawatt(s)

### N

NHD	National Hydrography Database
NMDGF	New Mexico Department of Game and Fish
NMSFD	New Mexico State Forestry Division
NMWCA	New Mexico Wildlife Conservation Act
NRCS	Natural Resource Conservation Service
NWI	National Wetlands Inventory
NWR	National Wildlife Refuges

### O

O&M	operations and maintenance
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## 1.0 Introduction

Pacific Wind, LLC, a wholly owned subsidiary of Avangrid Renewables, proposes construction of the La Joya and Lucia Energy Project (Project) on lands managed by the New Mexico State Land Department and private lands in Torrance County, New Mexico (Project Vicinity map in Appendix A). Environmental Planning Group, LLC, (EPG) has prepared this Biological Evaluation to support the Application for Zoning Ordinance Amendment for a Special Use District from Torrance County, New Mexico.

### 1.1 Project Area

The Project area is defined as areas inside the boundaries of two separate sites, the La Joya facility and the Lucia facility, proposed to be located approximately 4 miles and 14 miles west of Encino, New Mexico, respectively. The La Joya facility is located north of US Route (US) 60, and the Lucia facility is located south of US 60. The study area is not defined by land ownership boundaries; rather, it includes the Project area as well as features in the surrounding region that support biological resources that may also use the Project area (e.g., playas in the Estancia Valley used by migrating birds, or rugged terrain that may support raptor nests). The study area is depicted on United States Geological Survey (USGS) 7.5 Minute Quadrangles Lobo Hill NE, Lobo Hill SE, Rock Lake, Rattlesnake Hill, Waller Ranch, North Lucy, Lucy, Pedernal, Pedernal Mountain, Negra, Negra SE, and Negra SW, New Mexico. The study area is located west of US 285 and south of Interstate 40 (Project Vicinity map in Appendix A).

### 1.2 Project Description

The proposed Project consists of two energy electrical-generating facilities located in two distinct areas:

- La Joya facility (La Joya)—a 42,400-acre area north of US 60 consisting of up to 201 wind turbines and a single photovoltaic (PV) solar array; and
- Lucia facility (Lucia)—a 28,750-acre area south of US 60 consisting of up to 200 wind turbines and a single PV solar array.

Both facilities would have supporting components, including access roads, aboveground and belowground electrical collector systems, permanent meteorological (MET) towers, operations and maintenance (O&M) buildings, and step-up/collection substations. At least a portion of the energy generated by the facilities would be transmitted to an interconnection with the Public Service Company of New Mexico (PNM) system near Clines Corner using transmission infrastructure owned by Pacific Wind, LLC and associated with the adjacent El Cabo Wind Project. If additional transmission capacity is necessary, Pacific Wind, LLC would consider interconnection into one of the planned transmission lines located near the Project area or another, yet to be determined transmission line. Both La Joya and Lucia will be owned and operated by Pacific Wind, LLC.

### 1.3 Regulatory Framework

Special-status plant and wildlife species are protected under the following federal and state regulations.

#### 1.3.1 Endangered Species Act

The federal Endangered Species Act (ESA), including coordination requirements of Section 9 (16 US Code [USC] 1531 et seq.; 50 Code of Federal Regulations [CFR] Part 402). The ESA is administered by the US Fish and Wildlife Service (USFWS). Section 9 of the ESA prohibits the “take” of species listed as threatened or endangered. “Take” is further defined to include any harm or harassment, including

Consultation [IPaC] system) used to generate the species list for Torrance County also returns lists of sensitive migratory birds, including Birds of Conservation Concern. Although this list is not comprehensive, it is included as a part of the database report in Appendix B. The Biota Information Source of New Mexico (BISON-M) is a state database of species information, including legal status. In addition to ESA-listed species, the following species present in Torrance County were reviewed for potential to occur in the Project area through a BISON-M query:

- Species listed as threatened or endangered under the New Mexico Wildlife Conservation Act
- Species of Greatest Conservation Need, identified in the New Mexico State Wildlife Action Plan
- Species with full protection (typically restricted by the NMDGF from any 'take' without permits for research and conservation)
- Species with limited protection (typically restricted by the NMDGF from most 'take' by individuals who are not New Mexico residents, without permits for research and conservation)

EPG also reviewed USGS topographic maps, National Hydrography Database (NHD) maps, Federal Emergency Management Agency (FEMA) floodplain maps, USFWS National Wetlands Inventory (NWI) maps, GAP vegetation maps, and aerial images of the Project area prior to conducting the site visit. Avangrid Renewables has supported wildlife baseline studies on the adjacent El Cabo site, beginning with initial reconnaissance surveys in 2010 followed by several years of avian activity monitoring (CH2MHill 2010, Western EcoSystems Technology, Inc. [WEST] 2015). Any wildlife species or habitat conditions observed on the El Cabo site would also be present on the similar and adjacent La Joya and Lucia sites. EPG reviewed all survey reports from the El Cabo site.

Torrance County requires that wind generation applicants ensure that wind facilities are set back at least 2,500 feet from important bird areas identified by state or federal agencies. EPG reviewed the following types of areas identified as important to birds and their conservation:

- National Wildlife Refuges (NWR) administered by the USFWS;
- Bird Habitat Conservation Areas (BHCA), a non-regulatory designation, identified in New Mexico by the intergovernmental and non-governmental Intermountain West Joint Venture (IWJV); and
- Important Bird Areas (IBA), a non-regulatory designation identified by the non-governmental National Audubon Society and recognized as important for bird conservation by state and federal agencies.

Upon review of the referenced documents and data, EPG determined the following:

- There are 13 species listed by the USFWS as endangered, threatened, candidate, proposed, or species of concern recorded within Torrance County.
- There are 45 special-status species (state-listed or receiving special protection) listed by the NMDGF recorded within Torrance County.
- Review of NHD maps indicates that flowlines (representing rivers, streams, washes, or other waterways) are present within the Project area, and these may represent potentially jurisdictional Waters of the United States under the federal Clean Water Act.
- Review of USFWS NWI maps shows that there are NWI features within the Project area.
- The Project area contains mapped floodplains or flood hazard areas.
- There are no NWRs or IBAs near the Project area. One BHCA, the Sandias, Manzanos, and Estancia Valley BHCA, is adjacent to the La Joya site (IWJV 2007).

Table 1 lists Hydrologic Units (HU) and Hydrologic Unit Codes (HUC). Hydrologic Units identified in the NHD are equivalent to watersheds and are designated in a nested scale where each HU can contain smaller HUs (tributary watersheds) that are differentiated by the final digits of their HUC.

Nearly all of the Lucia and La Joya sites are within the Rio Grande Closed Basins 6-digit HU, which is a series of interior-draining closed basins. Small isolated parcels that are a part of the La Joya site also fall within the Upper Pecos HU.

<b>HU and HUC: 6-Digit</b>	<b>HU and HUC: 8-Digit</b>	<b>HU and HUC: 10-Digit</b>
Rio Grande Closed Basins: 130500	Western Estancia: 13050001	Big Draw: 1305000105
		McGillivray Draw: 1305000106
		Pueblo Blanca Canyon: 1305000107
	Eastern Estancia: 13050002	City of Encino: 1305000201
		Town of Cedarvale: 1305000202
Upper Pecos: 130600	Pintada Arroyo: 13060002	Pintada Draw: 1306000202
NOTES: HU = Hydrologic Units HUC = Hydrologic Unit Codes		

### 3.4 Soils

As shown in Table 2, there are 35 Natural Resource Conservation Service (NRCS) soil types within the Project area, 10 of which are found in both the La Joya and Lucia sites (Soils map in Appendix A). None of the soil types in the Project area are hydric. Some soils in the Project area may occasionally be subject to flooding. It is assumed that wind turbines, solar arrays, and ancillary facilities will not be placed in flood-prone areas or that specific engineering design will be used to protect facilities.

<b>Site Name</b>	<b>Map Unit Symbol</b>	<b>Map Unit Key</b>	<b>Map Unit Name</b>	<b>Map Unit Kind</b>	<b>Acres in the Project Area</b>
La Joya	Bt	1473890	Bernal-Travessilla fine sandy loams	Complex	151
La Joya	Cg	1473894	Chilton gravelly loam	Consociation	167
La Joya	Cn	1473897	Clovis loam, 0 to 5 percent slopes	Consociation	7,521
La Joya	Cs	1473900	Clovis and scholle soils	Association	2,152
La Joya	De	1473902	Dean loam, 1 to 9 percent slopes	Consociation	1,270
La Joya	Ha	1473909	Hagerman fine sandy loam, 1 to 5 percent slopes	Consociation	2,208
La Joya	Hf	1473912	Harvey loam, 1 to 9 percent slopes	Consociation	1,186
La Joya	Hh	1473914	Harvey-Dean loams, 1 to 9 percent slopes	Complex	1,431
La Joya	Ik	1473920	Ildefonso fine sandy loam, 0 to 5 percent slopes	Consociation	1,303
La Joya	Im	1473921	Ildefonso loamy fine sand, 0 to 5 percent slopes	Consociation	381
La Joya	La	1473931	La Fonda loam, 1 to 9 percent slopes	Consociation	3,392
La Joya	Lo	1473934	La Fonda-Rock outcrop complex	Complex	97
La Joya	Lp	1473935	Laporte-Rock outcrop complex	Complex	3,055
La Joya	Mc	1473938	Manzano loam, saline substratum, 0 to 1 percent slopes	Consociation	877



### 3.6 Land Cover and Vegetation Associations

Table 3 lists vegetation associations (Dick-Peddie 1993) at a relatively broad scale, and land cover types (Southwest ReGAP) at a finer scale, within the Project area (USGS 2004). Note that the acreages listed in Table 3 are derived only from Southwest ReGAP. However, Southwest ReGAP land cover types can be considered to fall within the broader vegetation associations described in Dick-Peddie (1993).

Table 3 Land Cover and Biotic Communities in the Project Area			
Vegetation Association	Land Cover Type	Acres within Site (ReGAP)	Percentage of Site <sup>1</sup>
<b>Lucia Site</b>			
Plains-Mesa Grassland	Chihuahuan Gypsophilous Grassland and Steppe	2.0	<0.1
Plains-Mesa Grassland	Colorado Plateau Mixed Low Sagebrush Shrubland	183.7	0.6
Plains-Mesa Grassland	Inter-Mountain Basins Mixed Salt Desert Scrub	16.2	0.1
Plains-Mesa Grassland	Inter-Mountain Basins Semi-Desert Shrub Steppe	25.6	0.1
Juniper Savanna	Madrean Juniper Savanna	1.6	<0.1
Juniper Savanna	Southern Rocky Mountain Juniper Woodland and Savanna	64.5	0.2
Juniper Savanna	Southern Rocky Mountain Pinyon-Juniper Woodland	0.9	<0.1
Juniper Savanna	Western Great Plains Cliff and Outcrop	4.9	<0.1
Plains-Mesa Grassland	Western Great Plains Shortgrass Prairie	2,8467.7	99.0
<b>La Joya Site</b>			
Plains-Mesa Grassland	Apacherian-Chihuahuan Piedmont Semi-Desert Grassland and Steppe	25.4	0.1
Plains-Mesa Grassland	Chihuahuan Gypsophilous Grassland and Steppe	37.4	0.1
Plains-Mesa Grassland	Colorado Plateau Mixed Low Sagebrush Shrubland	83.6	0.2
Plains-Mesa Grassland	Inter-Mountain Basins Mixed Salt Desert Scrub	48.0	0.1
Plains-Mesa Grassland	Inter-Mountain Basins Semi-Desert Shrub Steppe	1,175.6	2.8
Juniper Savanna	Madrean Juniper Savanna	20.0	<0.1
Juniper Savanna	Madrean Pinyon-Juniper Woodland	452.8	1.1
Plains-Mesa Grassland	North American Warm Desert Active and Stabilized Dune	1.6	<0.1
Juniper Savanna	North American Warm Desert Bedrock Cliff and Outcrop	4.7	<0.1
Juniper Savanna	Rocky Mountain Lower Montane-Foothill Shrubland	5.1	<0.1
Juniper Savanna	Rocky Mountain Lower Montane Riparian Woodland and Shrubland	2.9	<0.1
Juniper Savanna	Rocky Mountain Ponderosa Pine Woodland	20.9	<0.1
Juniper Savanna	Southern Rocky Mountain Juniper Woodland and Savanna	347.8	0.8
Juniper Savanna	Southern Rocky Mountain Pinyon-Juniper Woodland	704.1	1.7
Juniper Savanna	Western Great Plains Cliff and Outcrop	95.0	0.2
Plains-Mesa Grassland	Western Great Plains Foothill and Piedmont Grassland	62.5	0.1
Plains-Mesa Grassland	Western Great Plains Shortgrass Prairie	39,339.4	92.7

NOTE: <sup>1</sup>Percentages may not sum to 100 because of rounding.

#### 3.6.1 Land Cover Types

Southwest ReGAP land cover data was reviewed within the Project area. Southwest ReGAP data are intended to be used as a general assessment of changes in land cover type, or vegetation communities, at a local to regional scale and are appropriate for review of areas at the scale of the Lucia and La Joya sites. However, ReGAP should not be used for analyses at the scale of individual "pixels" in the raster data. Note that single pixels or small clusters of pixels may give anomalous results in the modeling and analysis based on the raw remote-sensing data. For example, Table 3 and Appendix A, SWREGAP Land cover, note small areas representing Juniper Savanna in the Lucia site, which were not observed on the reconnaissance survey in those specific areas.

#### 4.0 Assessment of Special-Status Species

Thirty sensitive bird species protected under the MBTA are included in the USFWS list for Torrance County (Appendix B), although many other common bird species are also present and protected under the MBTA. The USFWS lists two threatened species as occurring in Torrance County – Mexican spotted owl and yellow-billed cuckoo. In addition, the NMDGF lists 45 special-status species. A total of 65 species of concern that should be considered for planning purposes were identified, although this includes two subspecies of the peregrine falcon and two populations of the yellow-billed cuckoo. Some special-status species are identified for planning and data-tracking purposes only and are not protected under statutory regulations except through hunting regulations. At this time, the NMDGF does not have specific guidelines to address conflicts between wind development and wildlife, and the NMDGF would not have regulatory authority over this Project. However, consultation with NMDGF is recommended, as the agency can provide existing data and site-specific information that may help minimize or avoid conflicts with wildlife.

After review of the search results, 21 of the 65 listed species were removed from further consideration because they are either not known to exist in the Project area, or there is no suitable habitat in the Project area. The exclusion justification for these species can be found in Appendix C. The remaining 44 species, including notes on distribution and habitat, are discussed below (Table 4). Table 4 is based on Torrance County occurrence data, known records, surveys conducted on the El Cabo site, conditions observed during the reconnaissance survey of the Project area, and species distribution and life histories found in BISON-M species accounts, NatureServe, and other regional or national references.

Wildlife baseline and bat acoustic studies have been conducted in some years from 2011 through 2014 on the El Cabo wind generation facility (WEST, Inc. 2012, 2013, 2014, 2015) adjacent to the Lucia and La Joya sites and currently under construction. Habitat types present within the Lucia and La Joya sites are contiguous with and are represented within the El Cabo site. Table 5 notes whether any special-status species were recorded during the wildlife baseline studies, and this should be considered confirmation that the species are also present within the Lucia or La Joya sites. However, species not detected may still be present and should continue to be considered as potentially present.

Table 4 Special-Status Species Known to Occur in Torrance County, New Mexico			
Species	United States Fish and Wildlife Service Status	New Mexico Department of Game and Fish Status	Potential to Occur in Project Area
<b>Mammals</b>			
Dwarf Shrew <i>Sorex nanus</i>	–	LP	Yes
Merriam's Shrew <i>Sorex merriami</i>	–	LP	Yes
Pale Townsend's Big-eared Bat <i>Corynorhinus townsendii</i>	–	LP, S	Yes
Fringed Myotis <i>Myotis thysanodes</i>	–	LP, S	Yes
Long-legged Myotis <i>Myotis volans</i>	–	LP, S	Yes
Western Small-footed Myotis <i>Myotis ciliolabrum</i>	–	LP, S	Yes
Common Hog-nosed skunk <i>Conepatus leuconotus</i>	–	LP, S	Yes
Western Spotted Skunk <i>Spilogale gracilis</i>	–	LP, S	Yes

Table 4 Special-Status Species Known to Occur in Torrance County, New Mexico			
Species	United States Fish and Wildlife Service Status	New Mexico Department of Game and Fish Status	Potential to Occur in Project Area
Golden Eagle <i>Aquila chrysaetos</i>	MB; BGEPA	--	Yes
Grace's Warbler <i>Dendroica graciae</i>	MB	--	Yes
Gray Vireo <i>Vireo vicinior</i>	MB	--	Yes
Juniper Titmouse <i>Baeolophus ridgwayi</i>	MB	--	Yes
Lewis's Woodpecker <i>Melanerpes lewis</i>	MB	--	No
Olive-sided Flycatcher <i>Contopus cooperi</i>	MB	--	Yes
Pinyon Jay <i>Gymnorhinus cyanocephalus</i>	MB	--	Yes
Prairie Falcon <i>Falco mexicanus</i>	MB	--	Yes
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i>	MB	--	No
Rufous-crowned Sparrow <i>Aimophila ruficeps</i>	MB	--	Yes
Short-eared Owl <i>Asio flammeus</i>	MB	--	Yes
Virginia's Warbler <i>Vermivora virginiae</i>	MB	--	Yes
Western Grebe <i>Aechmophorus occidentalis</i>	MB	--	No
Williamson's Sapsucker <i>Sphyrapicus thyroideus</i>	MB	--	No
Yellow-billed Cuckoo (western population) <i>Coccyzus americanus</i>	T, MB	FP, S, SGCN	No
Yellow-billed Cuckoo (eastern population) <i>Coccyzus americanus</i>	SC, MB	FP, S, SGCN	No
Burrowing Owl <i>Athene cunicularia</i>	SC, MB	FP, SGCN	Yes
Flammulated Owl <i>Psiloscops flammeolus</i>	MB	FP, SGCN	No
Mexican Spotted Owl <i>Strix occidentalis lucida</i>	MB, T, Critical Habitat outside Project area	FP, S, SGCN	No
Black Swift <i>Cypseloides niger</i>	MB	FP, S, SGCN	No
Southwestern Willow Flycatcher <i>Empidonax traillii extimus</i>	E, MB, Critical habitat outside Project area	E, FP, SGCN	No
Loggerhead Shrike <i>Lanius ludovicianus</i>	MB	FP, S, SGCN	Yes
Gray Catbird <i>Dumetella carolinensis</i>	MB	FP	No
Sprague's Pipit <i>Anthus spragueii</i>	MB	LP, SGCN	No
Baird's Sparrow <i>Ammodramus bairdii</i>	SC, MB	FP, SGCN, T	Yes

Table 5  
Special-Status Species Known from Torrance County with Potential to Occur in the Project Area

Species	Habitat	Recorded on El Cabo Site (2011-2014)
<b>Mammals</b>		
Dwarf Shrew <i>Sorex nanus</i>	Found in a variety of habitats in New Mexico, including rocky areas, brushy slopes, arid shortgrass prairie, dry stubble fields, and pinyon-juniper woodland.	No
Merrill's Shrew <i>Sorex merriami</i>	Lives in sagebrush steppe, pine woodland, mountain mahogany, ponderosa pine, bunchgrass grassland, dunes, and areas recovering from disturbance. Prefers drier habitats than other shrews and may be abundant in appropriate sites in New Mexico.	No
Pale Townsend's Big-eared Bat <i>Corynorhinus townsendii</i>	Found in a variety of habitat, including pine forests and semi-desert and montane shrublands. These bats require caves or forested areas for roosting.	No
Fringed Myotis <i>Myotis thysanodes</i>	Occurs in a variety of habitats from desert scrub to fir-pine forests, though oak and pinyon woodlands appear to be the most commonly used vegetation associations. Roosts in caves, mines, or other suitable areas.	Potential <sup>1</sup>
Long-legged Myotis <i>Myotis volans</i>	Found in forested regions across much of their range, typically roosting in trees, rock crevices, and buildings. High, open woods are preferred habitat, but this species is known to occur in pinyon-juniper and chaparral woodlands.	Potential <sup>1</sup>
Western Small-footed Myotis <i>Myotis ciliolabrum</i>	Widely dispersed across the western United States in desert, chaparral, riparian zone, and coniferous forest habitats. Most commonly found above pinyon-juniper woodland.	Potential <sup>1</sup>
Common Hog-nosed skunk <i>Conepatus leucurus</i>	In New Mexico, found in a variety of habitats, including mesas, riparian valleys, and oak-pine forests. It is also found in canyons and foothills of desert mountains at elevations up to 9,000 feet.	No
Western Spotted Skunk <i>Spilogale gracilis</i>	Occurs in lowlands, shrublands, mountainous areas, rocky habitats, riparian zones, chaparral, and other disturbed areas.	No
Ringtail <i>Bassariscus astutus arizonensis and flavus</i>	Occurs in semi-arid oak forest, pinyon-juniper woodland, montane conifer forests, chaparral, and desert. Uses rocky areas or cliffs for shelter. Frequently found in disturbed habitats.	No
Gunnison's Prairie Dog <i>Cynomys gunnisoni</i>	Occurs in shortgrass prairie and open grassy areas in coniferous woodlands in Arizona, Utah, Colorado, and New Mexico.	Yes
Botta's Pocket Gopher <i>Thomomys bottae actuosus</i>	Occurs in open areas with deep soils, ranging from loose sand and silt to clay. Inhabits a range of habitats, from high elevation coniferous forests to desert scrub. Also found in agricultural areas.	No
Plains Harvest Mouse <i>Reithrodontomys montanus</i>	Occurs in open grassy areas, including agricultural fields, prairies, and grazed grasslands. Greatest densities occur in short grass habitats.	No
<b>Birds</b>		
White-faced Ibis <i>Plegadis chini</i>	No habitat is present in the Project area, although the species is occasionally present in agricultural areas and wetlands in the region and may cross the Project area.	No
Bald Eagle <i>Haliaeetus leucocephalus</i>	The Project area occurs within the winter range for this species. Bald eagles are typically found in forested areas near large lakes, marshes, rivers, and associated grasslands but may use arid and semi-arid uplands during breeding season.	Yes
Ferruginous Hawk <i>Buteo regalis</i>	Found in dry and open country, including grassland, sagebrush plains, rangeland, desert, and juniper-pinyon forest edge. These hawks spend the winter in grasslands or deserts with abundant prey species. Breeding habitat requires cliffs, outcrops, or tall trees for nesting.	Yes

Table 5 Special-Status Species Known from Torrance County with Potential to Occur in the Project Area		
Species	Habitat	Recorded on El Cabo Site (2011-2014)
Baird's Sparrow <i>Ammodramus bairdii</i>	Winters in shortgrass prairies outside the Project area. The species may be present in the Project area during migration.	No
Rufous-crowned Sparrow <i>Aimophila ruficeps</i>	Associated with brushy areas and rocky slopes. Habitat for this species is present only on the La Joya site.	No
Fox Sparrow <i>Passerella iliaca</i>	Found near forest edges, in thickets, brushy woods, and tall chaparral. New Mexico is the southern edge of this species' nesting range in the Rocky Mountain region.	No
Golden Eagle <i>Aquila chrysaetos</i>	Resident species across the western United States. The most common areas of occurrence in New Mexico are steep-walled canyons near open grassland or shrubland used for hunting.	Yes
Gray Vireo <i>Vireo vicinior</i>	Found in arid climates and most often associated with pinyon pine, juniper, and oak trees. Also occurs in oak scrub and chaparral. Extremely patchy distribution throughout western New Mexico and does not appear to breed in the state.	Yes
Short-eared Owl <i>Asio flammeus</i>	An uncommon migrant in New Mexico. Found in open grasslands, wetlands, shrublands, and lowland desert swales. Not known to breed in Torrance County.	No
Burrowing Owl <i>Athene cunicularia</i>	Breeds in a wide variety of arid and semi-arid habitats where sparse vegetation and bare ground are present. Suitable habitats include native prairie, pasture, and fallow field. Requires a small mammal burrow or natural cavity for nesting. Burrowing owls are known to breed throughout New Mexico from March to September.	Yes
Loggerhead Shrike <i>Lanius ludovicianus</i>	Adapted to arid and semi-arid habitats in the southwestern United States. Known from desert scrub common in the Mojave and Sonoran deserts, as well as mixed shrub, sagebrush, pinyon-juniper, and agricultural habitats commonly found in New Mexico.	Yes
<b>Reptiles and Amphibians</b>		
Southwestern Fence Lizard <i>Sceloporus cowlesi</i>	Found in semi-desert grasslands and scrublands in central New Mexico. Commonly found in open sandy or rocky areas with suitable sites for basking and shelter.	No
Texas Horned Lizard <i>Phrynosoma cornutum</i>	Found in arid or semi-arid habitats in open areas with sparse vegetation. Associated with loose sandy or loamy soils suitable for burrowing. Found throughout much of central New Mexico.	No
Desert Kingsnake <i>Lampropeltis splendida</i>	Found in a variety of habitats in New Mexico, including grassland flats, short grass prairie, shrub steppe, open pinyon-juniper woodland, and agricultural edge areas.	No
Desert Massasauga <i>Sistrurus catenatus</i>	Distributed across southern, central, and eastern New Mexico. Found in shortgrass prairies, desert grassland, and shinnery oak shrublands.	No
<b>Insects</b>		
Los Olmos Tiger Beetle <i>Elipsoptera nevadica olmosa</i>	Exclusively found in saline conditions, especially large playas with an extensive amount of saline habitat. This beetle's range is thought to be restricted to two salt basins in New Mexico: Estancia (Torrance County) and Tularosa.	No

NOTE: Myotis bats were detected during acoustic surveys but were not identified to species (WEST, Inc. 2012).

MBTA. Consideration of this species in the planning process may be beneficial, if listing is considered again in the future. Mountain plovers were observed during wildlife baseline surveys performed on the El Cabo site (WEST, Inc. 2015).

### **5.2.3 Burrowing Owl**

Burrowing owls are likely to be present in the Project area, particularly associated with Gunnison's prairie dog colonies. Burrowing owls were observed during wildlife baseline surveys performed on the El Cabo site (WEST, Inc. 2015). Burrowing owls are protected under the MBTA and are at particular risk of harm during ground-disturbing activities because of their natural response to often take shelter in a burrow rather than fly away from a threat. Thus, burrowing owl clearance surveys prior to ground-disturbing activities, followed by avoidance or, potentially, relocation, are recommended in occupied habitat to avoid violations of the MBTA. Preconstruction baseline surveys can assist in siting and scheduling construction activities to minimize impacts to burrowing owls and the risk of violations of the MBTA.

### **5.2.4 Special-Status Raptors**

Golden eagles, ferruginous hawks, peregrine falcons, and Swainson's hawks are special-status raptors most likely to be present in the Project area, and all were observed during wildlife baseline surveys performed on the El Cabo site (WEST, Inc. 2015). Two ferruginous hawks were observed in the Lucia site during the reconnaissance survey. Other raptor species listed in Appendix C may occasionally be present but are not reliably associated with the habitat types in the Project area. Golden eagles and ferruginous hawks prefer relatively large prey, including Gunnison's prairie dogs and rabbits. Swainson's hawks capture a wide variety of small animals, including insects, and peregrine falcons typically prey on birds that are captured in flight.

All raptor species can be at risk of collision with wind turbines. The USFWS has developed voluntary Land-based Wind Energy Guidelines (WEG) (USFWS 2012) to assist wind energy developers in siting and operating projects in ways that minimize conflicts with birds and bats, including raptors. The WEG recommend avian use surveys prior to construction, to determine seasonal and spatial use patterns. This information can be used to inform turbine siting to minimize interaction with raptors.

## **5.3 Other Species**

### **5.3.1 Migratory Birds**

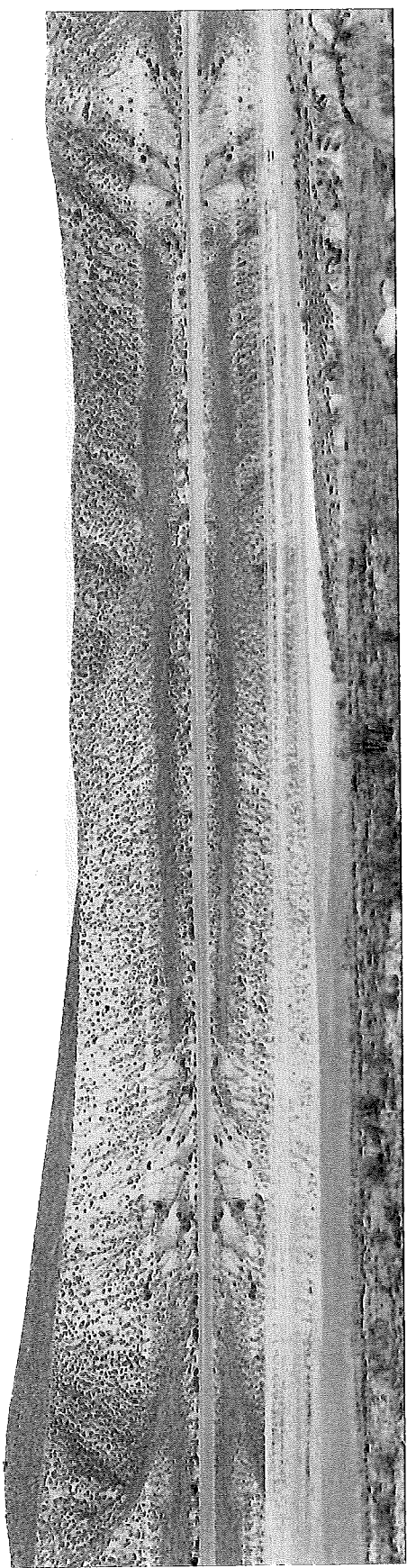
Nearly all native birds that may be present in the Project area are protected under the MBTA. As noted in Section 5.2.4, Special-Status Raptors, the USFWS has developed voluntary WEG that can assist in planning with the intent of minimizing the risk of bird collision. The recommended avian use surveys prior to construction are typically conducted to address the full assemblage of birds that may be present and at risk throughout the year.

The Sandias, Manzanos, and Estancia Valley BHCA is a relatively large BHCA that was identified in part to call attention to regionally important blocks of habitat for montane pinyon-juniper-associated birds, as well as grassland species, particularly nesting ferruginous hawks (IWJV 2005).

### **5.3.2 Bats**

Bat roost locations are typically considered sensitive data, to protect the sites from intentional or unintentional disturbance. No published records of bat roosts were found by EPG during the review of publicly available data, and additional coordination with the NMDGF and other agencies would be



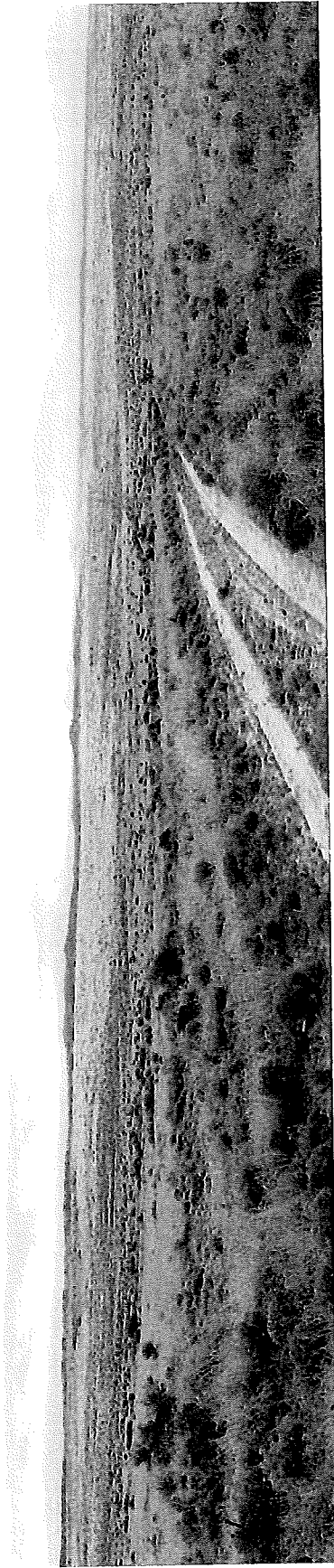


**Figure 1** Laguna del Perro outside the Project Area



**Figure 2** Plains-Mesa Grassland in the Lucia Project Area





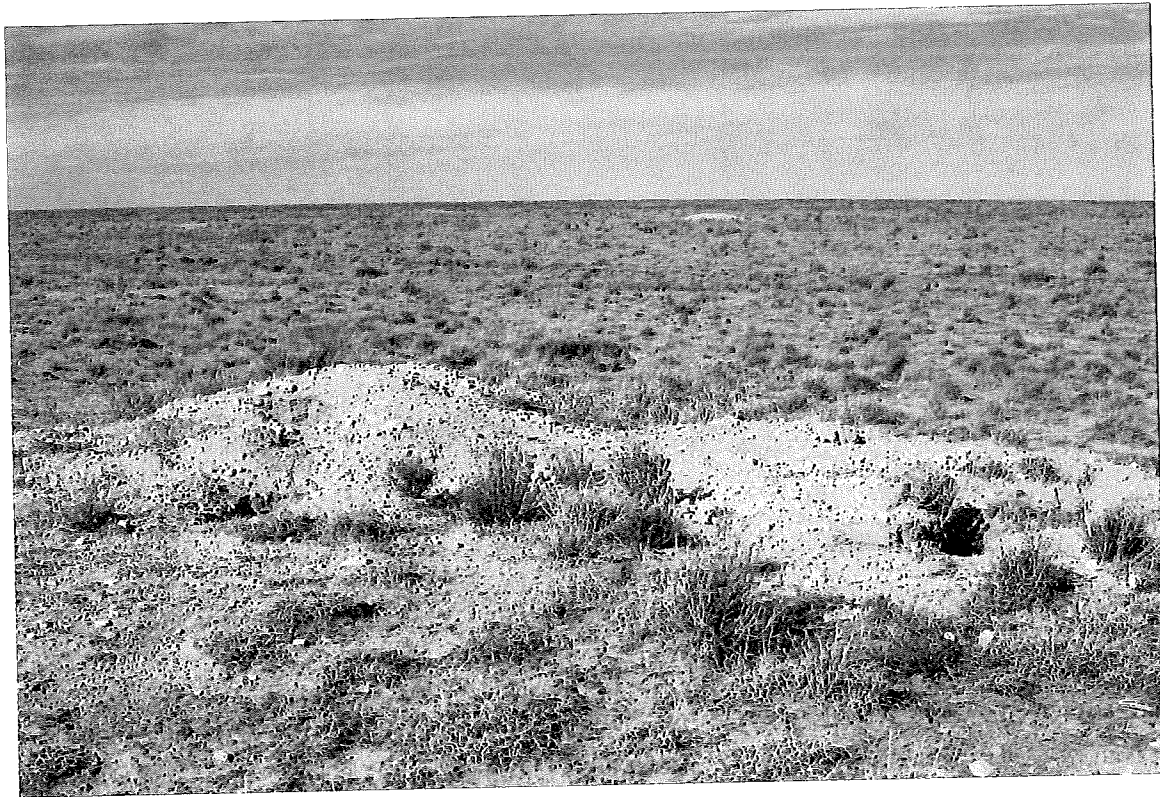
**Figure 5** Plains-Mesa Grassland in the northern portion of the La Joya site



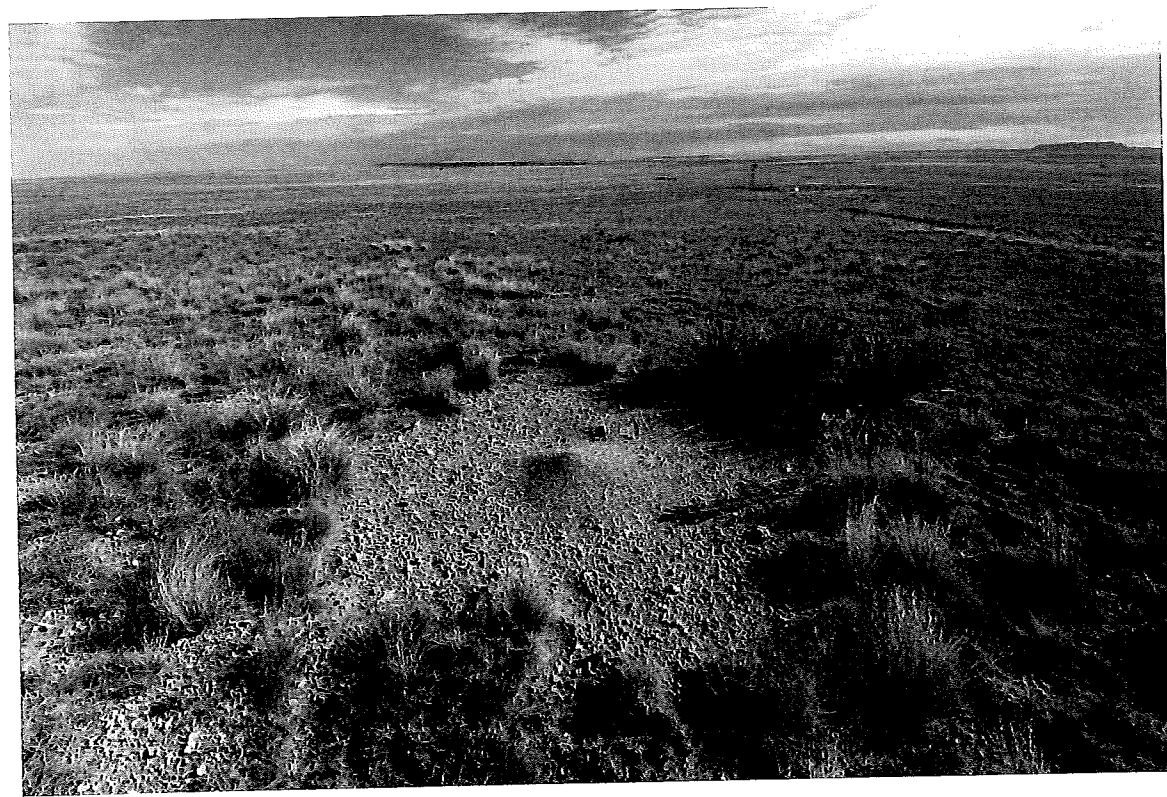
Figure 8 Herd of pronghorn at the Lucia site



Figure 9 Coyote at the Lucia site



**Figure 12** Gunnison's prairie dog burrows (foreground and distant background)



**Figure 13** Ant mound, similar in aerial imagery to Gunnison's prairie dog burrows

## 6.0 References

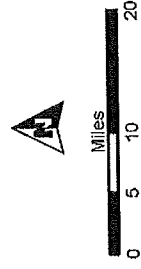
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- \_\_\_\_\_. 2013. *Wildlife Baseline Studies for the El Cabo Wind Energy Project, Torrance County, New Mexico, Final Report April 25, 2011 – April 18, 2012*. Report prepared for Pacific Wind Development, LLC, and Iberdrola Renewables, Inc., Portland, Oregon. 118 p.
- \_\_\_\_\_. 2014. *Memorandum: El Cabo Wind T-line Interconnect Reconnaissance Visit*. Report prepared for Iberdrola Renewables, Inc., Portland, Oregon. 8 p.
- \_\_\_\_\_. 2015. *Wildlife Baseline Studies for the El Cabo Wind Resource Area, Torrance County, New Mexico, Final Report August 2013 – July 2014*. Report prepared for Pacific Wind Development, LLC, and Iberdrola Renewables, Inc., Portland, Oregon. 118 p.
- Western Region Climate Center. 2017. *Period of Record Monthly Climate Summary: Pederal 4E, New Mexico (296687)*. Website accessed on January 16, 2017: <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?nmpede>.





**Appendix A**  
**Map Set**

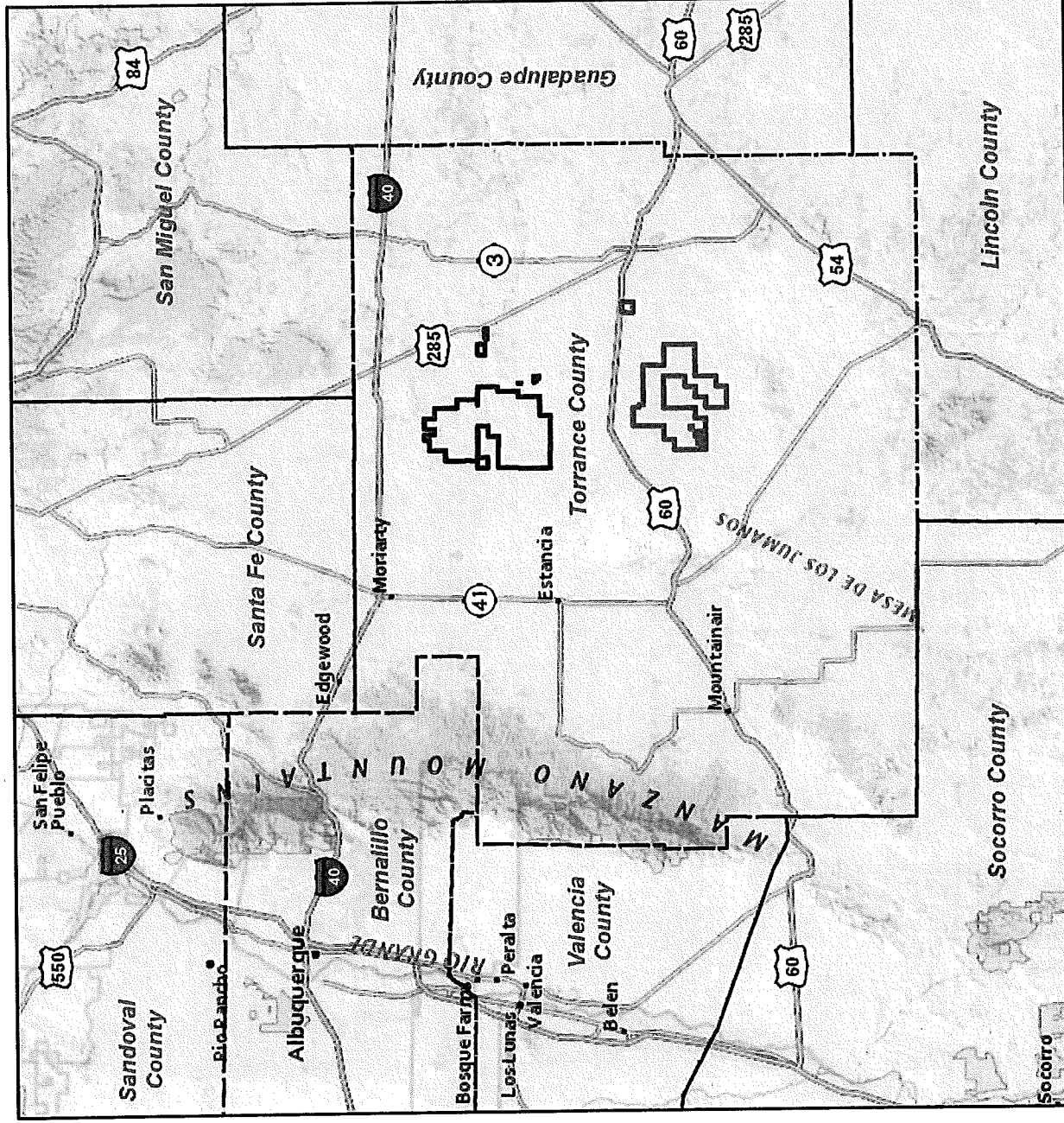
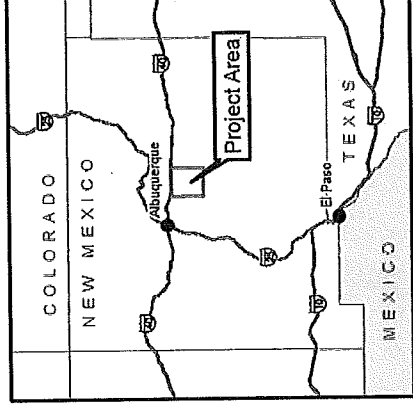
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# La Joya and Lucia Energy Project Project Vicinity



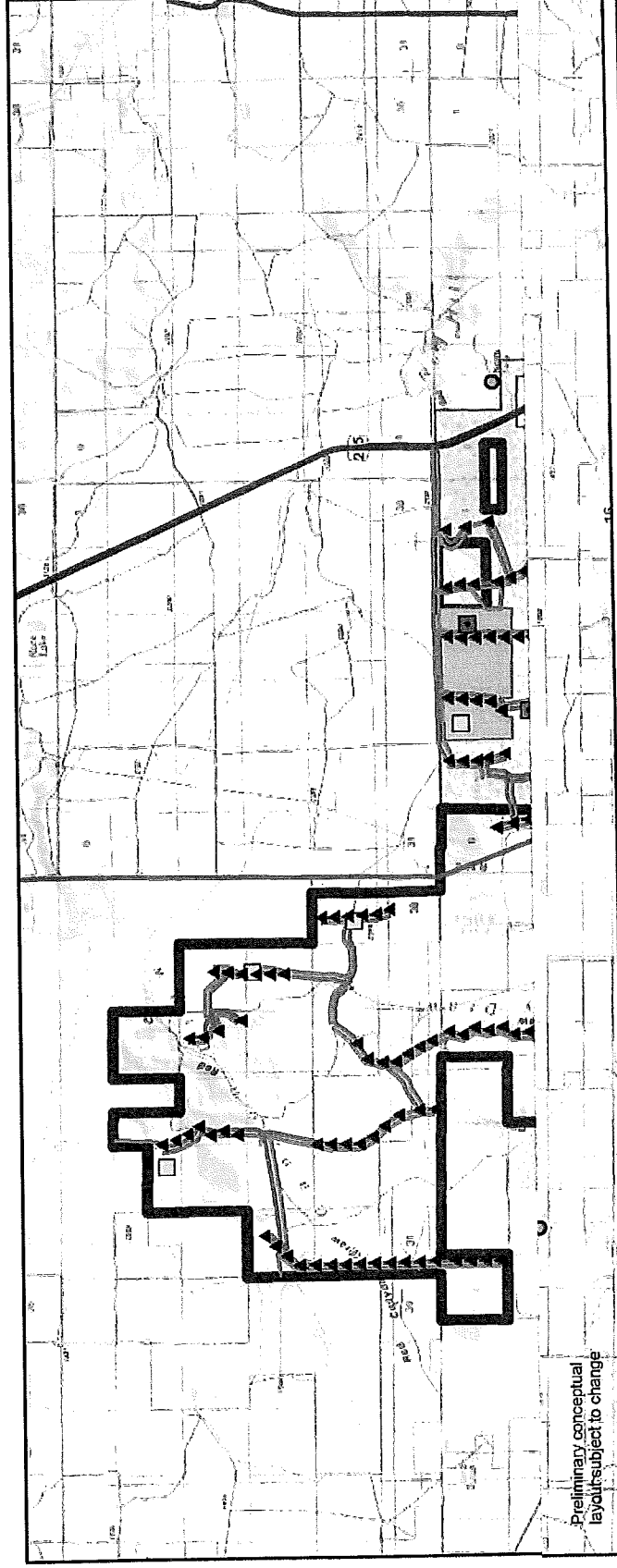
## LEGEND

-  La Joya Project Boundary
-  Lucia Project Boundary



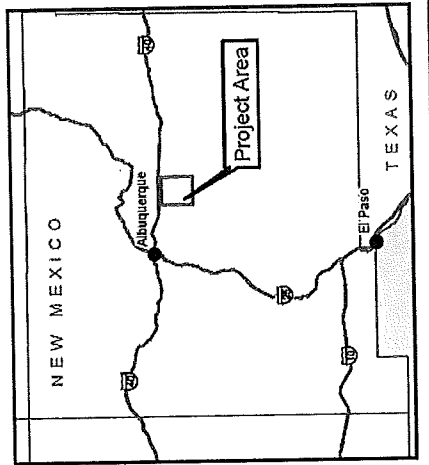
La Joya and Lucia Energy Projects  
Biological Evaluation  
Appendix A – Map Set

February 2017



**LEGEND**

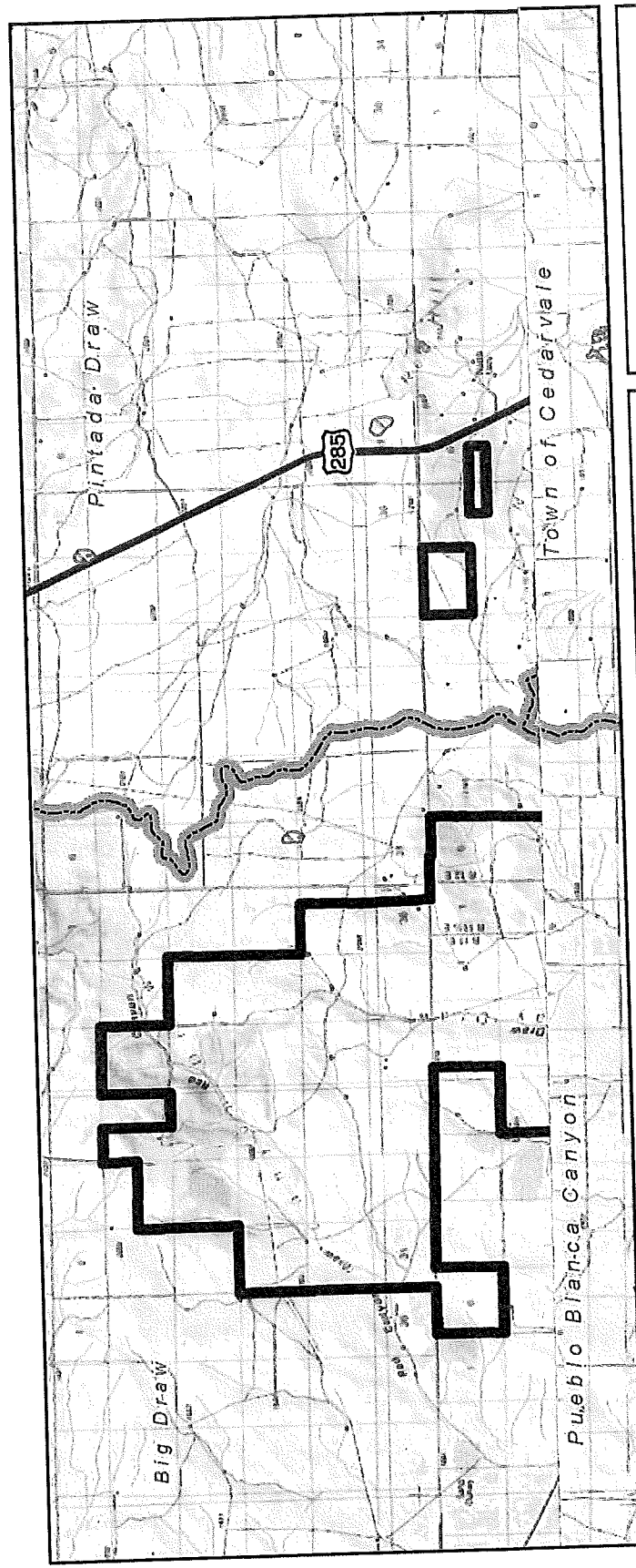
- |  |                              |  |                           |
|--|------------------------------|--|---------------------------|
|  | Proposed Met Tower           |  | City/Town                 |
|  | Existing Met Tower           |  | EI Cabo Transmission Line |
|  | Substation                   |  | Collection Line           |
|  | OM Building                  |  | Access Road               |
|  | EI Cabo Substation           |  | Highway                   |
|  | Turbine                      |  | Street                    |
|  | Sensitive Receptor           |  | Railroad                  |
|  | La Joya Special Use District |  | BLM                       |
|  | Lucia Special Use District   |  | State                     |
|  | EI Cabo Special Use District |  | Private                   |
|  | Solar Array Location         |  |                           |



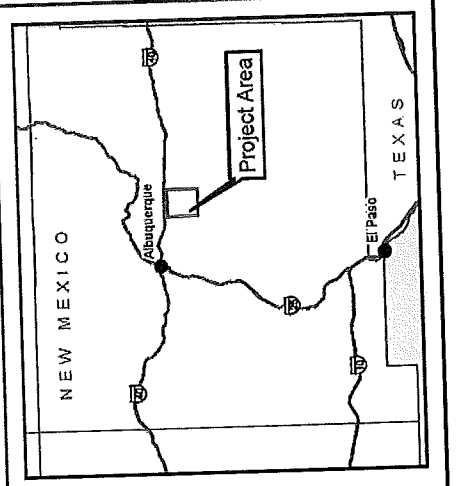
**La Joya and Lucia Energy Project**  
**Project Overview**

T:\GIS\Projects\Avangard\mxd\ProjectOverview.mxd



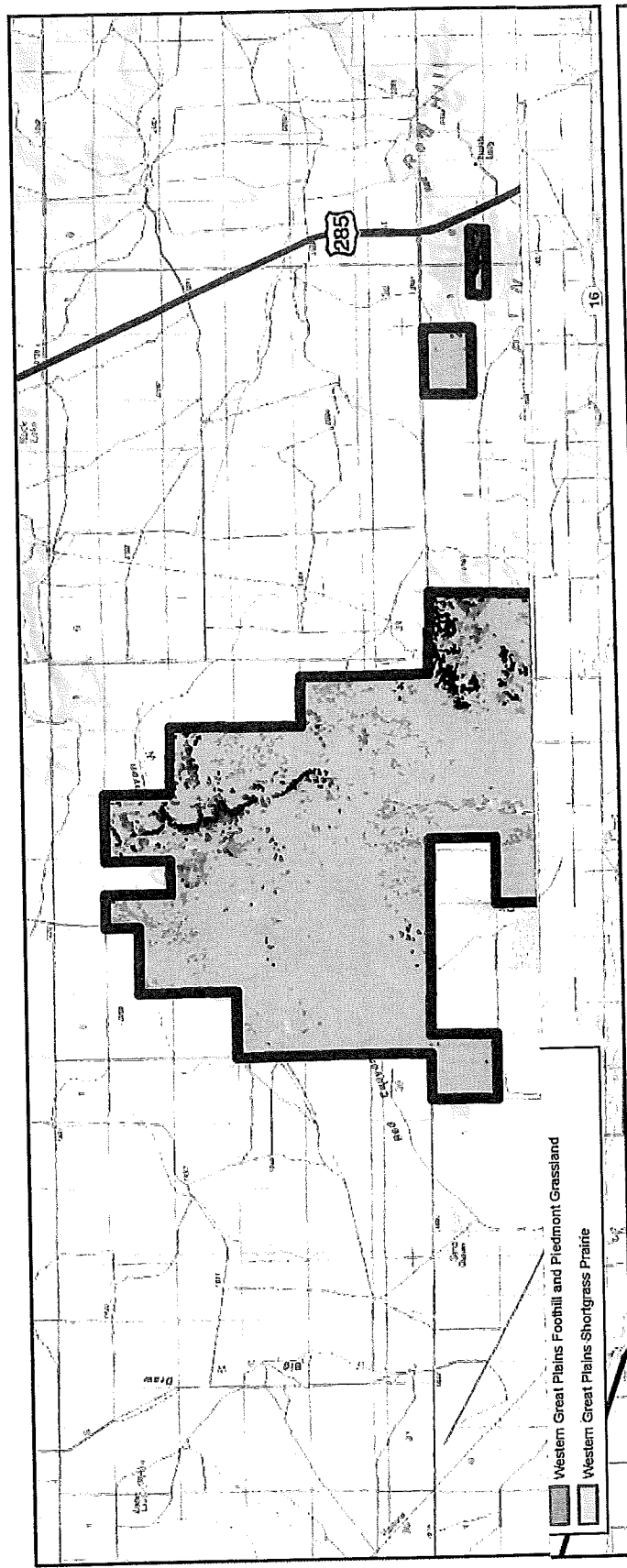


**La Joya and Lucia Energy Project**  
**Water Resources**



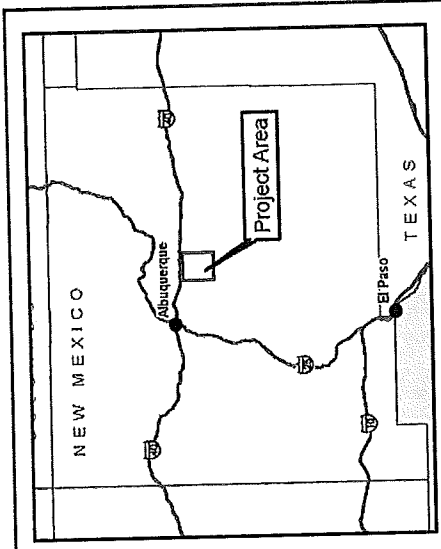
**LEGEND**

- City/Town
- La Joya Project Site
- Lucia Project Site
- ▨ NMI Wetlands
- ▤ Flood Hazard Area
- ~ NHD Flowline
- Street
- Railroad
- Highway
- ~ NHD Watershed 8-HUC
- ~ 10-HUC Boundary
- Big Draw
- City of Encino
- Laguna de Perro
- McGillivray Draw
- Pintada Draw
- Pueblo Blanca Canyon
- Town of Cedarvale



**La Joya and Lucia Energy Project SWREGAP Landcover**

0 1.25 2.5 5 Miles



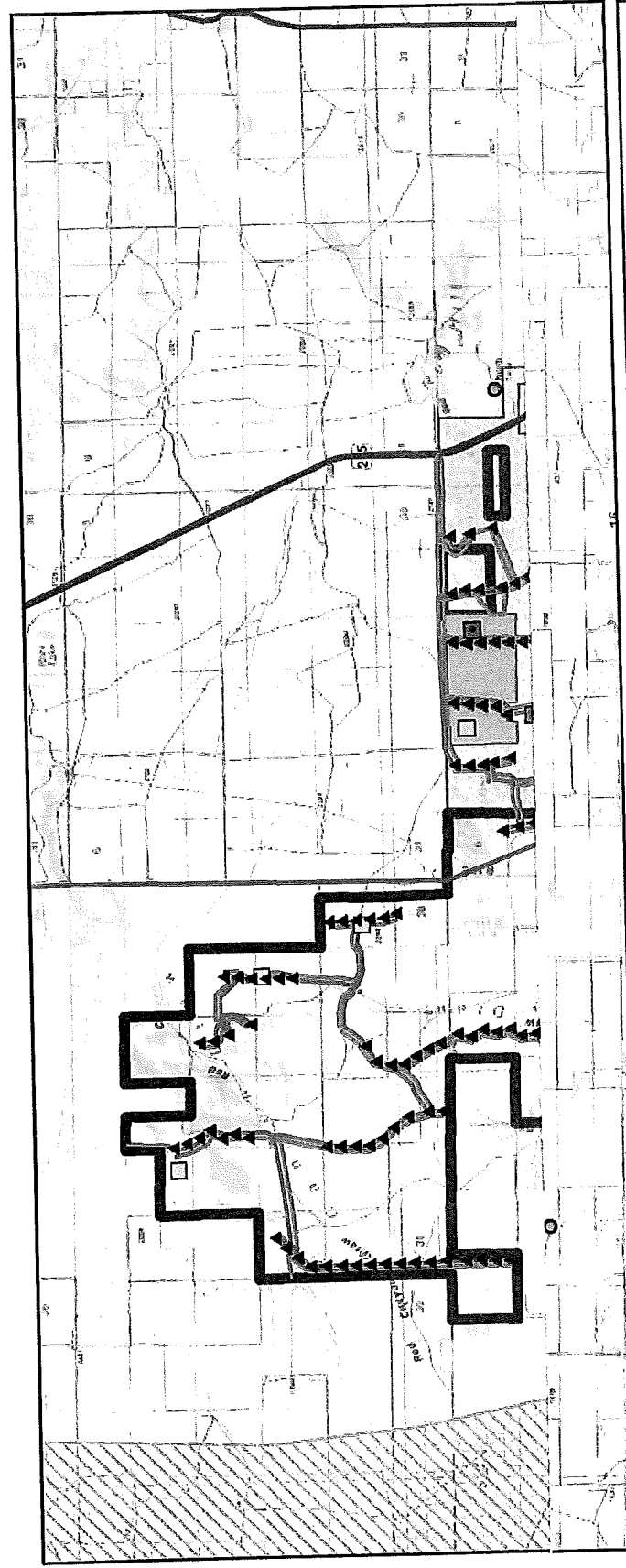
**LEGEND**

- City/Town
- Highway
- Street
- Railroad
- ▭ La Joya Project Site
- ▭ Lucia Project Site

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February 2017

La Joya and Lucia Energy Projects  
 Biological Evaluation  
 Appendix A – Map Set

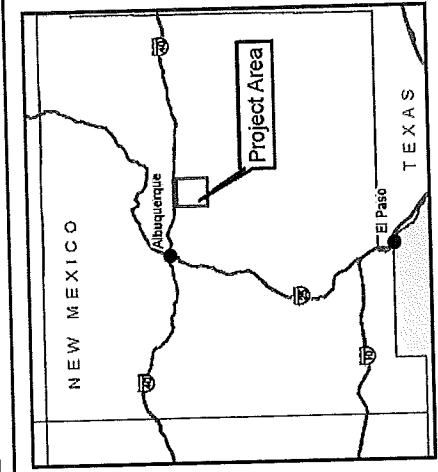


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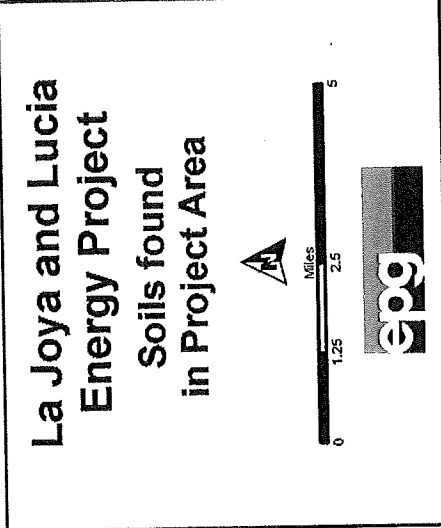
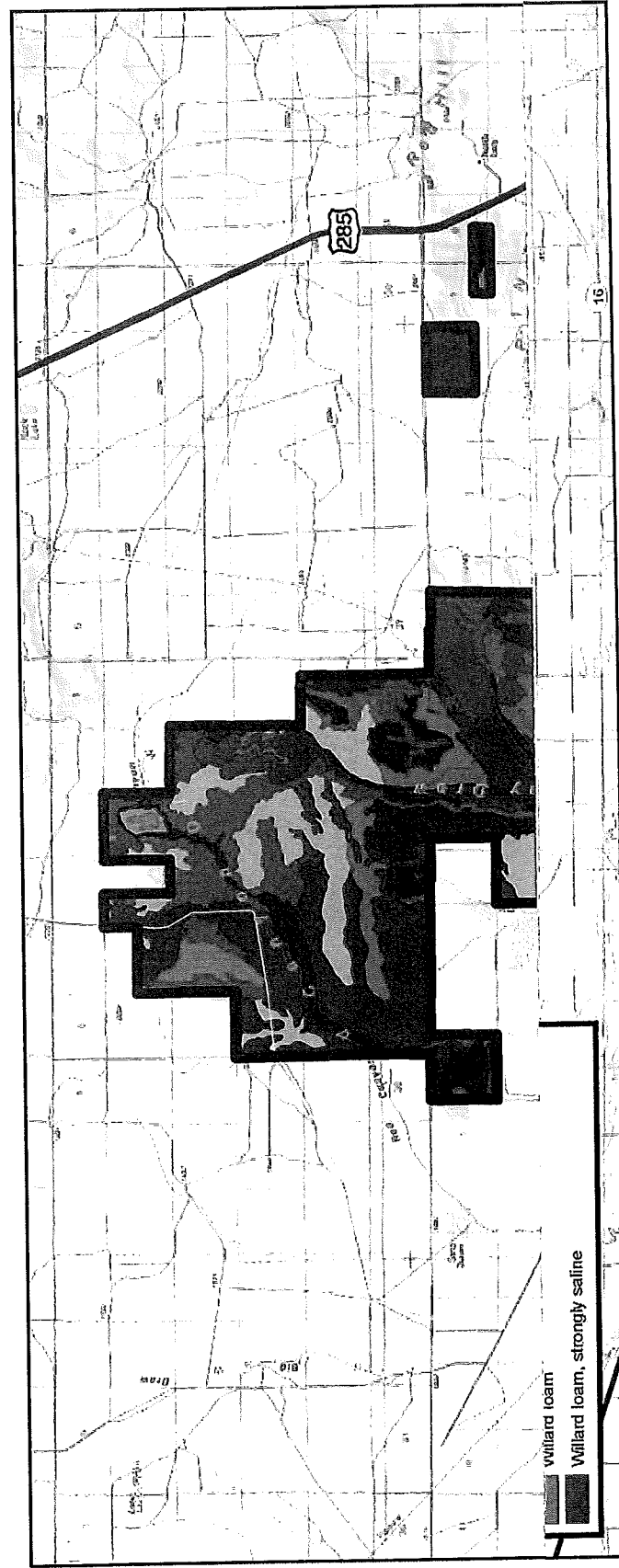
Proposed Met Tower	City/Town
Existing Met Tower	El Cabo Transmission Line
Substation	Collection Line
OM Building	Access Road
El Cabo Substation	Highway
Turbine	Street
Residence	Railroad
La Joya Project Site	BLM
Lucia Project Site	State
El Cabo Project Site	Private
Solar Array Location	

**La Joya and Lucia Energy Project  
Important Migratory  
Bird Habitat**

T:\GIS\Projects\Wang\gdr\arc\importantBirdAreas.mxd



February 2017



**LEGEND**

- City/Town
- Highway
- Street
- Railroad
- La Joya Project Site
- Lucia Project Site

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**La Joya and Lucia Energy Project Soils found in Project Area**

0 1.25 2.5 5 Miles

February 2017

La Joya and Lucia Energy Projects  
 Biological Evaluation  
 Appendix A – Map Set

**Appendix B**  
**Information, Planning, and Consultation**  
**System Report for Torrance County**

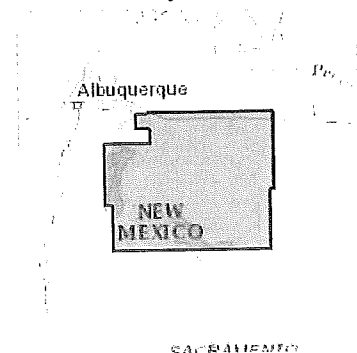
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IPaC

# IPaC resource list

## Location

Torrance County, New Mexico



## Local office

New Mexico Ecological Services Field Office

☎ (505) 346-2525

📠 (505) 346-2542

2105 Osuna Road Ne  
Albuquerque, NM 87113-1001

<http://www.fws.gov/southwest/es/NewMexico/>

[http://www.fws.gov/southwest/es/ES\\_Lists\\_Main2.html](http://www.fws.gov/southwest/es/ES_Lists_Main2.html)

## Endangered species

This resource list is for informational purposes only and should not be used for planning or analyzing project level impacts.

Section 7 of the Endangered Species Act requires Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency.

A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Review section in IPaC or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by creating a project and making a request from the Regulatory Review section.

Listed species<sup>1</sup> are managed by the [Endangered Species Program](#) of the U.S. Fish and Wildlife Service.

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.

The following species are potentially affected by activities in this location:

### Birds

NAME

STATUS



12/22/2016

IPaC: Explore Location

Brown-capped Rosy-finch *Leucosticte australis*

Wintering

Burrowing Owl *Athene cunicularia*  
<http://ecos.fws.gov/ecp/species/9737>

Breeding

Chestnut-collared Longspur *Calcarius ornatus*

Wintering

Flammulated Owl *Otus flammeolus*  
<http://ecos.fws.gov/ecp/species/7728>

Breeding

Fox Sparrow *Passerella iliaca*

Wintering

Golden Eagle *Aquila chrysaetos*  
<http://ecos.fws.gov/ecp/species/1680>

Year-round

Grace's Warbler *Dendroica graciae*

Breeding

Gray Vireo *Vireo vicinior*  
<http://ecos.fws.gov/ecp/species/8680>

Breeding

Juniper Titmouse *Baeolophus ridgwayi*

Year-round

Lewis's Woodpecker *Melanerpes lewis*  
<http://ecos.fws.gov/ecp/species/9408>

Year-round

Loggerhead Shrike *Lanius ludovicianus*  
<http://ecos.fws.gov/ecp/species/8833>

Year-round

Long-billed Curlew *Numenius americanus*  
<http://ecos.fws.gov/ecp/species/5511>

Breeding

Mountain Plover *Charadrius montanus*  
<http://ecos.fws.gov/ecp/species/3638>

Breeding

Olive-sided Flycatcher *Contopus cooperi*  
<http://ecos.fws.gov/ecp/species/3914>

Breeding

Peregrine Falcon *Falco peregrinus*  
<http://ecos.fws.gov/ecp/species/8831>

Year-round

Pinyon Jay *Gymnorhinus cyanocephalus*  
<http://ecos.fws.gov/ecp/species/9420>

Year-round

Prairie Falcon *Falco mexicanus*  
<http://ecos.fws.gov/ecp/species/4736>

Year-round

Red-headed Woodpecker *Melanerpes erythrocephalus*

Breeding

Rufous-crowned Sparrow *Aimophila ruficeps*  
<http://ecos.fws.gov/ecp/species/9718>

Year-round

Short-eared Owl *Asio flammeus*  
<http://ecos.fws.gov/ecp/species/9295>

Wintering

Swainson's Hawk *Buteo swainsoni*  
<http://ecos.fws.gov/ecp/species/1098>

Breeding

Virginia's Warbler *Vermivora virginiae*  
<http://ecos.fws.gov/ecp/species/9441>

Breeding

12/22/2016

IPaC: Explore Location

PEM1C  
PEM  
PEM1Ax  
PEM1Jh  
PEM1Cx  
PEM1Ch  
PEM1Fh  
PEM1Hx  
PEM1Jx

FRESHWATER FORESTED/SHRUB WETLAND

PSS2J  
PSS2A  
PSS1B  
PSS1J

FRESHWATER POND

PUSAh  
PUSA  
PUB  
PUSC  
PUSAx  
PUBH  
PUSJh  
PUS  
PUSJ  
PUSCh  
PUSJx  
PUSCx

LAKE

L2USA  
L2USC  
L2USJ  
L2USAh

RIVERINE

R4SBC  
R4SBA  
R4SB

A full description for each wetland code can be found at the National Wetlands Inventory website:  
<https://ecos.fws.gov/ipac/wetlands/decoder>

**Appendix C**  
**Exclusion Justification Table**

---

Special Status Species with Potential to Occur in the Project Areas				
Species	Federal Status	State Status	Habitat	Exclusion Justification
<b>Mammals</b>				
Rocky Mtn. Bighorn Sheep <i>Ovis canadensis canadensis</i>		FP, SGCN	Found from high elevation meadows to mountain and desert grasslands in the southwestern U.S. In these habitats, sheep are typically spotted on cliffs, canyon walls, and grassy foothills.	No habitat present in Project area.
Black-tailed Prairie Dog <i>Cynomys ludovicianus ludovicianus</i>	SC	LP, S, SGCN	Suitable habitat consists of flat or gently rolling grasslands with relatively sparse vegetation, including areas overgrazed by cattle. Fine to medium textured soils are preferred for burrows.	Project area is outside range of this species.
Long-tailed Vole <i>Microtus longicaudus longicaudus</i>		LP	A highly adaptable species found in coniferous forests, rocky alpine tundra, sagebrush scrub, and semi-desert habitat. Generally restricted to high elevations in isolated mountains in New Mexico. Also found in human disturbed landscapes such as clear-cuts and surface mines.	Project area is outside range of this species.
<b>Birds</b>				
Northern Goshawk <i>Accipiter gentilis</i>	SC, MB	FP, SGCN	Occurs in montane forests in southern New Mexico and Arizona. Found in mature stands in coniferous, deciduous, and mixed forest types.	No habitat present in Project area.
Yellow-billed Cuckoo <i>Coccyzus americanus occidentalis</i>	SC, MB; Critical Habitat designated in NM	FP, S, SGCN	Breeds along major river valleys, small drainages, wetlands, and isolated woodlands in New Mexico. Prefers areas of late successional riparian vegetation.	No habitat present in Project area.
Osprey <i>Pandion haliaetus</i>	MB	FP, SGCN	Obligate fishing species found in proximity to lakes, seacoasts, and rivers. Passes through New Mexico from March to May during migration to breeding grounds further north.	No habitat present in Project area.
Flammulated Owl <i>Psiloscops flammeolus</i>	MB	FP, SGCN	Associated with open ponderosa pine forest. Consistently selects habitat with both tall standing trees for roosting and nesting and adjacent open areas for foraging.	No habitat present in Project area.
Mexican Spotted Owl <i>Strix occidentalis lucida</i>	MB, T; Critical Habitat designated in NM	FP, S, SGCN	Nesting habitat occurs in areas with complex forest structure with minimal human disturbance. Preferred forest types include mixed conifer and pine-oak associations. May nest in rocky canyons in northern New Mexico where nests are made in caves or on cliff ledges. No critical habitat is designated in Torrance County, New Mexico.	No habitat present in Project area.
Black Swift <i>Cypseloides niger</i>	MB	FP, S, SGCN	This species nests colonially on canyon walls near water with rocky overhangs. Breeding range extends into New Mexico.	No habitat present in Project area.

Special Status Species with Potential to Occur in the Project Areas				
Species	Federal Status	State Status	Habitat	Exclusion Justification
Yellow-billed Cuckoo (eastern population) <i>Coccyzus americanus</i>	SC, MB	FP, S, SGCN	Eastern population of this species extends as far west as the Pecos River in Torrance County. The species is associated with large blocks of riparian woodlands near permanent water in the arid West.	No habitat present in Project area.
Amphibians				
Northern Leopard Frog <i>Lithobates pipiens</i>		LP, SGCN	Uses a variety of permanent aquatic habitat including marshes, ponds, streams, and wet meadows.	No habitat present in Project area.
Molluscs				
Socorro Mountainsnail <i>Oreohelix neomexicana</i>		LP, S, SGCN	Species found in Sangre de Cristo, Sandia, Manzano, and Oscura Mountains. Species appears to tolerate a wide variety of habitats in mountains where it still exists.	No habitat present in Project area.
<p>NOTES:</p> <p>LP = Provides limited protection</p> <p>FP = Provides full protection</p> <p>T = Threatened</p> <p>SC = Species of Conservation Concern</p> <p>SGCN = Species of Greatest Conservation Need</p> <p>MB = Migratory Bird Act</p> <p>C = Candidate</p> <p>DM = Removed due to recovery</p>				

# Corporate Wildlife Plan

---

Iberdrola Renewables believes that conservation of the environment must be integral to the conduct of company activities. As an environmentally conscious company, Iberdrola Renewables remains committed to promoting development and operation of clean energy production, with its associated environmental benefits, as well as limiting adverse environmental effects that can be associated with such clean energy production. Iberdrola Renewables recognizes that the development and operation of wind energy plants may have direct and indirect impacts on birds, bats, and other wildlife and their habitats. To demonstrate its commitments, Iberdrola Renewables developed its initial corporate approach on avian and bat issues (called an Avian and Bat Protection Plan) in cooperation with the U.S. Fish and Wildlife Service (USFWS) in 2008. Subsequently, USFWS finalized its Land-based Wind Energy Guidelines (WEG) (USFWS, 2012). Public land managers such as Bureau of Land Management (BLM) and state agencies have also developed additional regulatory initiatives, since 2008. In an effort to keep current with these changes, this Wildlife Plan, under the auspices of the Iberdrola S.A. Corporate Environmental Policy (Dec 2011), updates and supersedes the 2008 Avian and Bat Protection Plan and its Policy. This Wildlife Plan supports processes and practices intended to avoid and minimize impacts to all wildlife (with emphasis on birds and bats) and their habitats at Iberdrola Renewables' wind projects and assets.

Like all anthropogenic activities, incidental (unintended) injury or death to wildlife may occur in spite of best efforts, including species protected by Federal and state laws and regulations. Iberdrola Renewables will continue to site, design, construct, and operate its assets in a sustainable manner to avoid or minimize significant adverse environmental impacts to the maximum extent practicable.

This Wildlife Plan provides a decision framework to guide development, construction, and operations. Iberdrola Renewables will adhere to the intent of wildlife laws, regulations, policies and guidelines by instituting processes and procedures to analyze, avoid, minimize, and mitigate significant adverse impacts to wildlife and their habitats. This Wildlife Plan applies to all of Iberdrola Renewables' projects, including all phases; development, construction, operation, and decommissioning. To fulfill this commitment, Iberdrola Renewables will do the following:

- Actively rely upon and maintain the relevancy of the Iberdrola Renewables Wildlife Plan for identifying and reducing significant adverse impacts to wildlife and habitats.
- Ensure its actions and activities adhere to the intent of all relevant and applicable state and Federal laws, regulations, permits, the Eagle Conservation Plan (ECP) Guidance (USFWS 2013), Final Land-Based Wind Energy Guidelines (USFWS 2012), the Suggested Practices for Avian Protection on Power Lines from the Avian Power Line Interaction Committee (APLIC, 2006), and appropriate best management practices (BMPs) during the development, construction, and operation of all new renewable projects in order to



The proactive and innovative resolution to incorporate wildlife interactions with our development projects and operating assets will support regulatory adherence as well as our leadership position in the renewable energy industry by avoiding and minimizing significant adverse impacts to wildlife and their habitats, enhancing stakeholder acceptance of our operating assets, and helping to define responsible renewable energy development and operations.

I, Ben Lackey, Secretary to the Board of Directors for Iberdrola Renewables, LLC, certify that this Corporate Wildlife Plan was duly approved by the Board on July 8, 2015.

A handwritten signature in black ink, appearing to read 'Ben Lackey', is written over a horizontal line. The signature is stylized and cursive.

Ben Lackey



**PARTS LIST**

QTY	UNITS	DESCRIPTION	MANUFACTURER	PART NUMBER	NOTES
1	EA	SAFETY SWITCH -- 600VAC, 1-PH, 60A, NEMA 3R	SQUARE D	HU362RB	
1	EA	LOAD CENTER -- 120V, 1-PH, 60A, 4-CIRCUIT	SQUARE D	QO24L60NRNM	SEE ELC-E-537-03
1	EA	FIBER OPTIC SPLICE ENCLOSURE			
2	EA	RGS -- 3-INCH DIA	BY CONTRACTOR		
2	EA	RGS CAP -- 3-INCH DIA	BY CONTRACTOR		
5	EA	UNISTRUT -- 1-INCH C-CHANNEL, GALVANIZED	BY CONTRACTOR		
1	EA	WEATHERPROOF WHILE IN USE RECEPTACLE ENCLOSURE	BY CONTRACTOR		
1	EA	WP/GFCI RECEPTACLE -- 120V, DUPLEX	BY CONTRACTOR		
2	EA	RISER CONDUIT -- 2-INCH, PVC, UV STABILIZED	BY CONTRACTOR		
2	EA	CONDUIT TO BOX ADAPTER -- SCH 40 EPVC, 2-INCH DIA, WEATHER-TIGHT	BY CONTRACTOR		
A/R	EA	ELECTRICAL CONDUIT -- SCH 40 EPVC, 1.5-INCH DIA	BY CONTRACTOR		
10	EA	CONDUIT TO BOX ADAPTER -- SCH 40 EPVC, 1.5-INCH DIA, WEATHER-TIGHT	BY CONTRACTOR		
A/R	EA	GROUND WIRE -- 2/0AWG BARE COPPER, SOFT, STRANDED	BY CONTRACTOR		
2	EA	COPPERWELD GROUND ROD -- 3/4-INCH X 10 FT	BY CONTRACTOR		
2	EA	EXOTHERMIC JOINT -- TEE-TYPE, 2/0 GRID TO 2/0 GRID	BY CONTRACTOR		
2	EA	EXOTHERMIC JOINT -- 2/0 GRID TO 3/4 INCH ROD	BY CONTRACTOR		
1	EA	FUSIBLE DISCONNECT -- 600VAC, 1-PH, 60A, NEMA 3R	SQUARE D	H362RB	

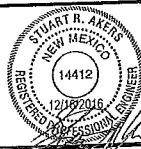
**NOTES**

- CONTRACTOR SHALL COORDINATE WITH THE MET PROVIDER TO DETERMINE A LOCATION ADJACENT TO THE MET TOWER FOR THE EQUIPMENT FRAME.
- CONTRACTOR SHALL PROVIDE A CONCRETE BACKFILL FOR ALL SUPPORT FRAME POSTS.

**ISSUED FOR CONSTRUCTION**

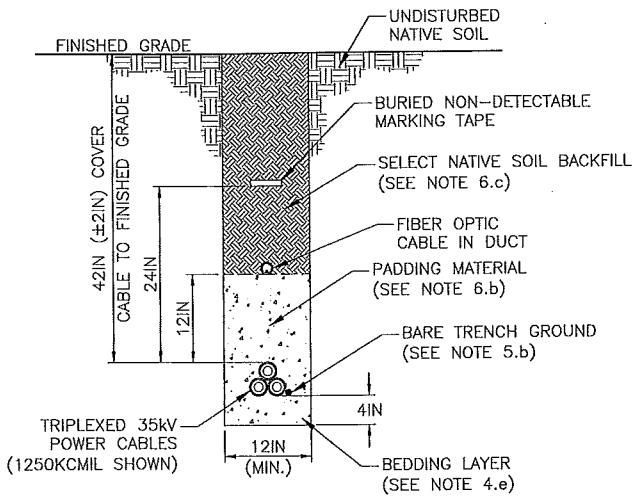
**M**  
**MOTT**  
**MACDONALD**

10415 MORADO CIRCLE  
BUILDING 1, SUITE 200  
AUSTIN, TX 78759  
PHONE 512.342.9516  
FAX 512.342.9708

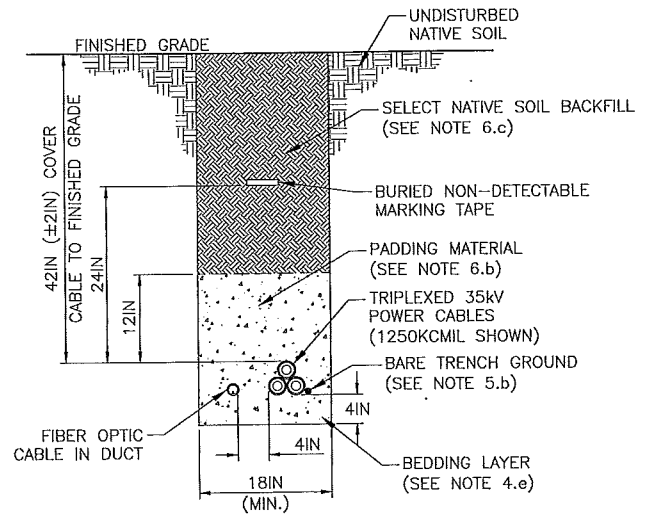


ENGINEER	DATE
DESIGNED: E. KOEHLER	12/05/16
CHECKED: E. KOEHLER	09/21/16
APPROVED: C. FERRELL	12/05/16
APPROVED: S. AKERS	12/16/16

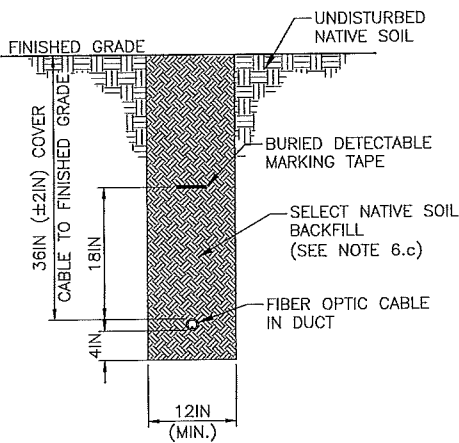
EL CABO WIND PROJECT  
UNDERGROUND COLLECTOR SYSTEM  
MET TOWER SERVICE DETAIL



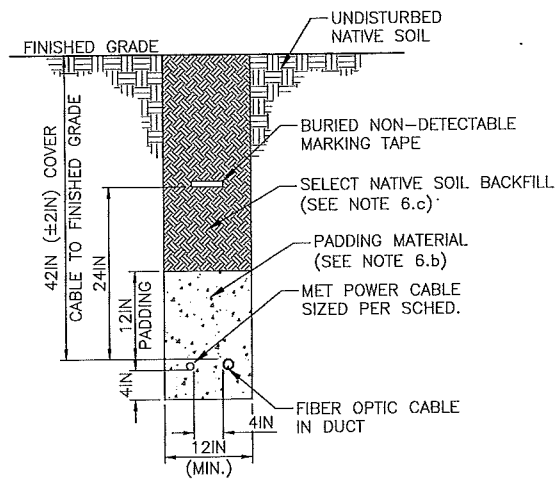
**A** PRIMARY POWER & COMMUNICATIONS CABLE DITCH  
Not to Scale



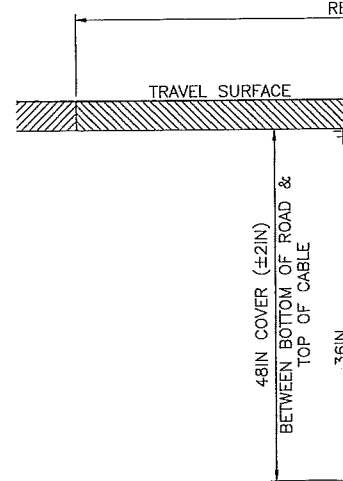
**B** ALTERNATE POWER & COMMUNICATIONS CABLE DITCH  
Not to Scale



**D** FIBER ONLY DITCH  
Not to Scale



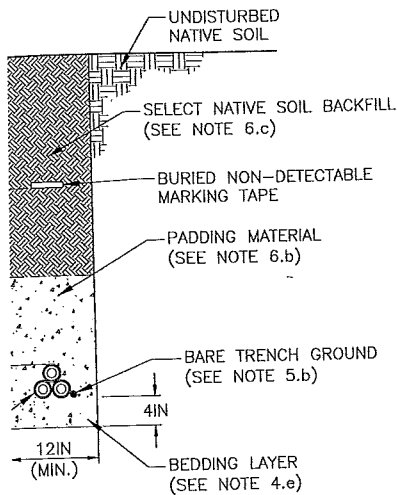
**E** MET TOWER & COMMUNICATION DITCH  
Not to Scale



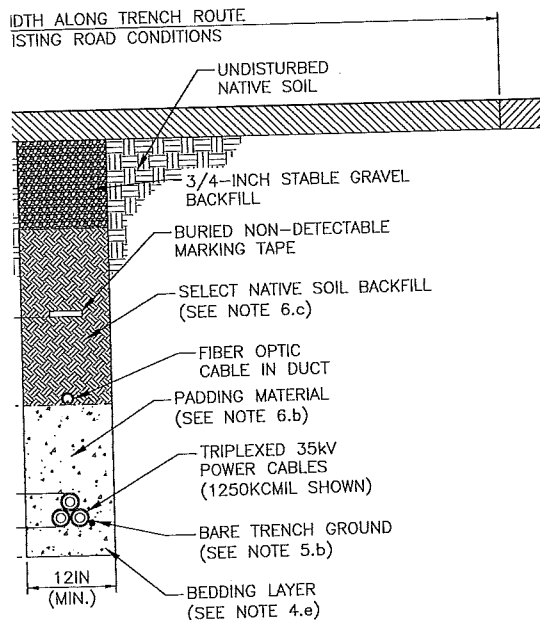
**F** TYPICAL

NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR			
												AMM	CSF	SRA
						0	ISSUE FOR CONSTRUCTION	12/16/16	AMM	CSF	SRA			





**POWER ONLY CABLE DITCH**  
Not to Scale



**ACCESS ROAD CROSSING DETAIL**  
Not to Scale

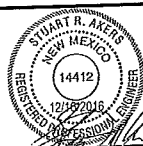
**NOTES**

1. ALL EXISTING UTILITIES MUST BE LOCATED BEFORE ANY EXCAVATION/TRENCHING IS STARTED. REGARDLESS OF OTHER UTILITY CONTACTS, CONTRACTOR MUST NOTIFY LOCAL LOCATING CLEARING HOUSE (I.E. ONECALL) OR OTHER STATE BODY.
2. ALL GRADE SURFACES THAT ARE DISTURBED SHALL BE RESTORED TO ESSENTIALLY ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.
3. THE CABLE ROUTE TO BE FOLLOWED BY CONTRACTOR SHALL BE AS STAKED BY THE OWNER. ALL TRENCHES SHALL FOLLOW AS STRAIGHT A LINE AS PRACTICAL. ANY DEVIATION FROM THE ROUTING PROVIDED SHALL BE DISCUSSED WITH AND APPROVED BY THE OWNER PRIOR TO CONSTRUCTION. ROCK MAY BE REMOVED BY ANY MEANS CONTRACTOR PREFERS, EXCEPT BLASTING. BLASTING WILL NOT BE PERMITTED UNLESS SPECIFICALLY AUTHORIZED BY OWNER.
4. IF THE GROUND WATER LEVEL IS ABOVE THE BOTTOM OF THE TRENCH THE CONTRACTOR AND OWNER SHALL DISCUSS AND AGREE UPON AN ALTERNATIVE CABLE INSTALLATION METHOD. IF THE GROUND WATER LEVEL IS BELOW THE BOTTOM OF THE TRENCH THE FOLLOWING REQUIREMENTS SHALL BE SATISFIED:
  - 4.a. EVERY TRENCH MUST BE A MINIMUM OF 12-INCHES WIDE (WITH PROPER SLOPE FOR WEAK SOILS), AND MUST PROVIDE SUFFICIENT SPACE TO ALLOW COMPACTION AS SPECIFIED WITH THE EQUIPMENT BEING UTILIZED. THE CONTRACTOR SHALL ENSURE THAT SUFFICIENT AMOUNT OF FINE SOIL IS ADDED ABOVE CABLE FOR BACKFILLS.
  - 4.b. THE TOP SOIL MUST BE PUSHED TO ONE SIDE OF THE TRENCH ROUTE AND KEPT SEPARATE FROM BASE MATERIAL. THE STORED TOP SOIL IS TO BE SPREAD UNIFORMLY OVER THE AREA DISTURBED BY TRENCHING FOLLOWING BACKFILL AND COMPACTION.
  - 4.c. CONTRACTOR SHALL PROTECT ALL TRENCHES AND OTHER EXCAVATIONS FROM SURFACE WATER RUNOFF. ANY WATER THAT HAS ACCUMULATED IN THE EXCAVATION SHALL BE REMOVED AND ANY SOFT TRENCH BOTTOM REMOVED AND REPLACED PRIOR TO THE INSTALLATION OF THE CABLES. THIS INCLUDES REMOVAL AND REPLACEMENT OF SAND BACKFILL THAT HAS BECOME CONTAMINATED WITH SILT, ROCKS, MUDD, CLAY, ETC. THE REMOVAL OF WATER AND CORRECTION OF SOFT GROUND CONDITIONS DUE TO SURFACE WATER WILL BE THE RESPONSIBILITY OF CONTRACTOR.
  - 4.d. CONTRACTOR MUST PROTECT THE PUBLIC AND LIVESTOCK FROM ALL TRENCHES AND EXCAVATIONS BY UTILIZING SUITABLE BARRICADES OR OTHER WARNING DEVICES.
  - 4.e. ALL TRENCHES SHALL BE EXCAVATED TO DEPTH AS NECESSARY TO MAINTAIN THE SPECIFIED COVER OVER THE INSTALLED CABLE. IF THE BOTTOM OF THE TRENCH CONTAINS ROCKS, WOOD, VEGETATION MATERIAL OR OTHER HARD, ROUGH, OR SHARP MATERIALS THAT COULD DAMAGE THE CABLE, THE TRENCH SHALL BE OVER-EXCAVATED AND BACKFILLED WITH A 4-INCH LAYER OF COMPACTED FINE CLEAN SOIL (NOTHING LARGER THAN WHAT WOULD PASS THROUGH A 3/8-INCH SCREEN) OR SAND PRIOR TO THE CABLE BEING LAID IN PLACE.
5. ALL DIRECT BURIED POWER CABLES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:
  - 5.a. 34.5KV CABLES SHALL BE PLACED IN A TRIANGULAR CONFIGURATION, WITH NO INTENTIONAL SEPARATION, SECURED TOGETHER AS NEEDED WITH CABLE TIES TO ENSURE THEY REMAIN IN THIS CONFIGURATION DURING AND AFTER INSTALLATION & BACK-FILL. PROPER TIE-WRAP TOOLS SHALL BE USED TO PREVENT OVER-TIGHTENING OF THE CABLE TIE.
  - 5.b. A 4/0 BARE COPPER WIRE SHALL RUN IN THE TRENCH WITH THE POWER CABLES. THERE SHALL BE NO INTENTIONAL SEPARATION BETWEEN THIS WIRE AND THE POWER CONDUCTORS.
  - 5.c. WHEN INSTALLED ABOVE THE POWER CABLES, THE INNERDUCT FOR FIBER OPTIC COMMUNICATION CABLE SHALL BE LAID ON TOP OF THE PADDING MATERIAL. WHEN INSTALLED AT THE SAME DEPTH AS THE POWER CABLE, THE INNERDUCT AND THE POWER CABLE SHALL BE SEPARATED BY A MINIMUM OF 4 INCHES.
  - 5.d. WHERE TWO OR MORE PARALLEL COMMUNICATION CABLES ARE REQUIRED IN TRENCH, LAY EACH INNERDUCT NEXT TO EACH OTHER WHILE STILL MAINTAINING CLEARANCES SHOWN.
6. BACKFILL AND COMPACTION REQUIREMENTS ARE AS FOLLOWS:
  - 6.a. ALL EXCAVATED AREAS, INCLUDING TRENCHES AND BELL HOLES MUST BE THOROUGHLY COMPACTED TO NO LESS THAN 85% STANDARD PROCTOR OR 105 PCF, UNLESS OTHERWISE NOTED. COMPACTION SHALL BE BY PROVEN METHODOLOGY. SPECIAL CARE MUST BE TAKEN IN THE AREAS WHERE THE THERMAL TESTING OF SOILS IN THAT AREA INDICATES A POTENTIALLY HIGH RESISTIVITY. COMPACTION BY FLOODING WILL NOT BE PERMITTED.
  - 6.b. THE FIRST 12-INCHES OF BACKFILL ABOVE THE CABLE (THIS IS THE CABLE PADDING) MUST BE FREE OF ROCKS, TOP SOIL, ROOTS, AND OTHER ORGANIC MATTER (NOTHING LARGER THAN WHAT WOULD PASS THROUGH A 3/8-INCH SCREEN). IF HEAVY STIFF CLAY IS ENCOUNTERED, THE NATIVE MATERIAL MUST BE EITHER MIXED WITH SANDY SOIL FROM OTHER STRATA IN THE SAME TRENCH, MIXED WITH FINE GRADE SAND THAT IS IMPORTED, OR REPLACED WITH IMPORTED MATERIAL.
  - 6.c. SELECT NATIVE SOIL CAN BE USED FOR THE REMAINDER OF THE TRENCH BACKFILL EXCEPT THAT LARGE CLUMPS AND ROCKS LARGER THAN 4-INCHES MUST BE EXCLUDED AND SUFFICIENT FINES PROVIDED TO ELIMINATE VOIDS.
  - 6.d. AT THE BEGINNING OF THE TRENCH BACKFILLING OPERATION, THE CONTRACTOR AND THE OWNER SHALL DETERMINE THE SUITABILITY OF THE NATIVE SOIL FOR USE AS BACKFILL, AND ANY ADDITIONAL MEASURES THAT MAY BE REQUIRED TO ENSURE ADEQUATE COMPACTION.
  - 6.e. THE CONTRACTOR SHALL FILL THE TRENCH TO PRE-CONSTRUCTION GRADE WITH THE STOCKPILED TOP SOIL AND WITH ADDITIONAL BACKFILL ADDED TO ALLOW FOR SETTLING. CONTRACTOR MAY SLIGHTLY OVERFILL TRENCH IN ORDER TO ALLOW FOR SETTLING.
7. CONTRACTOR SHALL PROVIDE AND INSTALL A PLASTIC WARNING TAPE IN ALL TRENCHES DURING BACKFILLING. THIS TAPE SHALL BE INSTALLED APPROXIMATELY 24-INCHES ABOVE THE CABLES. THE TAPE SHALL BE 6" WIDE, RED WITH BLACK LETTERS, MARKED "CAUTION - BURIED ELECTRIC LINES BELOW".
8. EXCAVATED SOIL AND ROCK THAT IS NOT REUSED IN BACKFILLING THE TRENCHES IS TO BE DISTRIBUTED ACROSS THE SITE PER THE DIRECTION OF THE OWNER.
9. ALL EXCAVATION, TRENCHING AND ELECTRICAL SYSTEM CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE FORMAL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE PROJECT.

**ISSUED FOR CONSTRUCTION**

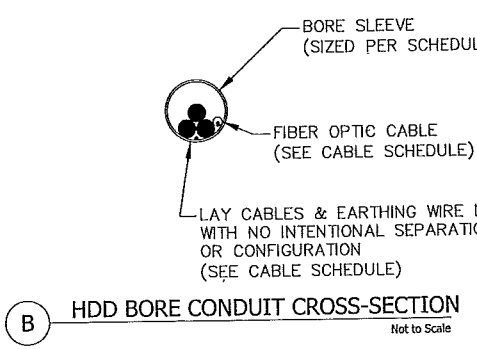
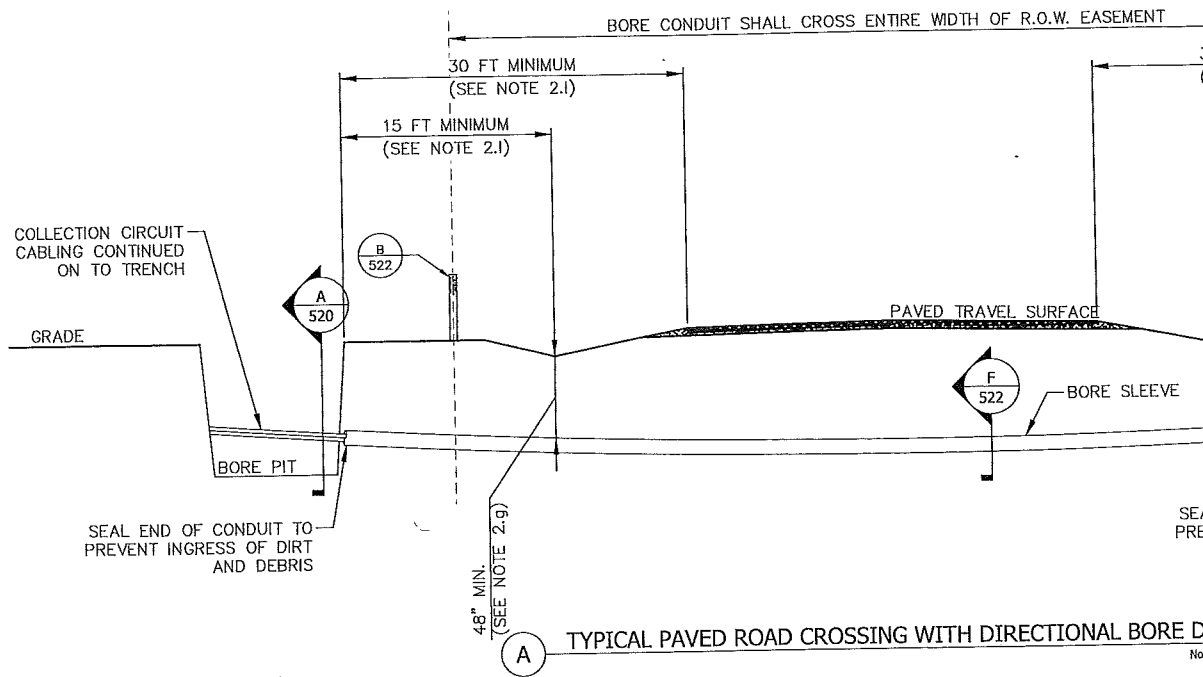
**M**  
**MOTT**  
**MACDONALD**

10415 MORADO CIRCLE  
BUILDING 1, SUITE 200  
AUSTIN, TX 78759  
PHONE 512.342.9516  
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ENGINEERING RECORD	DATE
DRAWN: A. MOTT	11/28/16
DESIGNED: E. KOEHLER	09/21/16
CHECKED: C. FERRELL, PE	12/09/16
APPROVED: S. AKERS, PE	12/16/16

EL CABO WIND PROJECT UNDERGROUND COLLECTOR SYSTEM CABLE TRENCH DETAILS	
CADFILE: ELC-E-520-01.dwg	SCALE: NONE
DWG. NO. ELC-E-520	SHEET 1 of 2
REV 0	

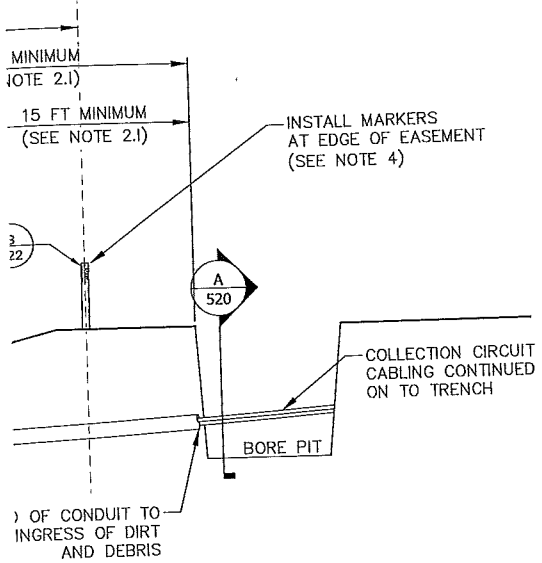


Point Name	Span Reference	Easting (NAD83)	Northing (NAD83)	Latitude	Longitude	Feature Description	HDD Bore Required	Avantrld Pre-Approved	min Conduit Size	Comments
hdd001a	Feeder 5 FSSW1 to FSJB1	1822597.463206500	1330727.204084690	34.656216060	-105.644185500	Eshleman Rd	Yes	Yes	10 IN HDPE Sch 80	hdd001 eastern bore pit
hdd001b	Feeder 5 FSSW1 to FSJB1	1822620.683905170	1330731.550873130	34.656227620	-105.644108200	Eshleman Rd	Yes	Yes	10 IN HDPE Sch 80	hdd001 western bore pit
hdd002a	Feeder 5 FSJB1 to Y-4	1821301.868318300	1329804.946271620	34.653703300	-105.648511900	East Quarry Road (BHI Survey Data)	Yes	Yes	10 IN HDPE Sch 80	hdd002 northern bore pit
hdd002b	Feeder 5 FSJB1 to Y-4	1821319.654546480	1329758.216729710	34.653574609	-105.648453687	East Quarry Road (BHI Survey Data)	Yes	Yes	10 IN HDPE Sch 80	hdd002 southern bore pit

NOTE: THIS LIST OF HDD BORES IS FINAL AND NOT SUBJECT TO CHANGE. THE CONTRACTOR SHALL NOT INSTALL ADDITIONAL BORES WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER.

NO.	DESCRIPTION	DATE	BY	CHK	APP	NO.	DESCRIPTION	DATE	BY	CHK	APP
0	ISSUE FOR CONSTRUCTION	12/16/16	AMM	CSF	SRA						





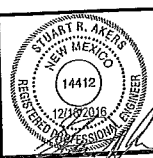
**NOTES**

1. CONTRACTOR SHALL CONTACT LOCAL ONE CALL UTILITY LOCATING SERVICES, AND DEPARTMENT OF NATURAL RESOURCES PRIOR TO EXCAVATION.
2. REGARDING PAVED ROAD UNDERGROUND POWER CABLE CROSSINGS:
  - 2.a. WHEN MV COLLECTION CIRCUITS CROSS UNDER PAVED ROADS, THESE CABLES SHALL BE INSTALLED IN CONDUIT INSTALLED BY HORIZONTAL DIRECTIONAL BORING (HDB) UNDER THE ROADWAY.
  - 2.b. A #4/0 AWG BARE COPPER GROUND WIRE SHALL BE INSTALLED WITH EACH POWER CIRCUIT IN THE SAME CONDUIT.
  - 2.c. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PREPARE DRAWINGS OR SKETCHED DETAILS OF THE CABLE CROSSING AS PART OF THE PERMIT APPLICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING FOR AND SECURING ANY AND ALL PERMITS AND PERMIT PAYMENTS AND/OR APPLICATION FEES.
  - 2.d. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE OWNER'S ENGINEER OF ALL CROSSING CONSTRUCTION METHODS.
  - 2.e. THE CONTRACTOR SHALL COMPLY WITH ANY SPECIFIC AGREEMENTS AND PERMITS OBTAINED FROM ROAD OWNER/OPERATOR. IN THE CASE THAT THIS DOCUMENT CONFLICTS WITH THESE SPECIFIC AGREEMENTS AND/OR PERMITS, THE CONTRACTOR SHALL COMPLY WITH THE AGREEMENTS/PERMITS AND NOTIFY THE ENGINEER OF RECORD OF THE CONFLICT.
  - 2.f. THE CONTRACTOR MAY UTILIZE A SINGLE SPLICE ON ONE SIDE OF THE CROSSING. THE SPLICE MUST BE PLACED OUTSIDE OF THE RIGHT-OF-WAY, EASEMENT, OR ANY OTHER PROPERTY SETBACKS FOR FUTURE ACCESS.
  - 2.g. THE CONTRACTOR SHALL MAINTAIN A MINIMUM DEPTH OF 48-INCHES TO THE TOP OF CONDUIT AND BELOW THE LOWEST GRADE IN THE RIGHT-OF-WAY AT THE CROSSING LOCATION.
  - 2.h. THE CONTRACTOR SHALL USE SCHEDULE 40 HDPE CONDUIT (OR ACCEPTED EQUAL) FOR CONDUITS 6-INCHES AND SMALLER AND SCHEDULE 80 HDPE FOR ALL CONDUITS LARGER THAN 6 INCHES.
  - 2.i. CABLES SHALL BE WRAP-TIED IN TREFOIL CONFIGURATION AT LEAST EVERY 10' THROUGHOUT THE ENTIRE BORE CONDUIT.
  - 2.j. TIME TO COMPLETE A BORE SHALL BE KEPT WITHIN THE LIMITS OF OPEN BORING OR ADVANCING A CONDUIT THAT CAN BE PROPERLY REAMED AND CLEANED OUT WITHIN ONE WORKING DAY. UNDER NO CIRCUMSTANCES SHALL MUCK OR WATER BE LEFT STANDING INSIDE THE BORE AT THE END OF A WORKING DAY, OR DUE TO A BREAK-DOWN OF EQUIPMENT OF MORE THAN EIGHT HOURS.
  - 2.k. FOR OPEN PITS, CONSTRUCTION CREWS ARE ALLOWED A MAXIMUM OF 72 HOURS WITH PROPER BARRICADES AND COVERS FOR SAFETY OF GENERAL PUBLIC AND ANIMALS.
  - 2.l. IN THE INTEREST OF SAFETY, THE FACE OF THE BORE PIT SHALL BE NO CLOSER THAN 15' TO THE BOTTOM OF THE ROADWAY EMBANKMENT (OR DITCH FLOW LINE) AND/OR NO CLOSER THAN 30' TO THE EDGE OF THE TRAVELED SURFACE, UNLESS OTHERWISE SPECIFIED OR DIRECTED BY THE STATE/LOCAL AUTHORITY REGULATIONS OR DISCRETION.
3. REGARDING ALL OTHER UNPAVED GRAVEL ROAD CROSSINGS:
  - 3.a. FOR CABLES ROUTED UNDER GRAVEL OR DIRT ROADS, CABLES SHALL BE INSTALLED DIRECT BURIED AS SHOWN ON THE TRENCH DETAIL DRAWINGS.
  - 3.b. DISTURBED PORTIONS OF THE ROADWAY SHALL BE RESTORED TO ORIGINAL CONDITION AS DESCRIBED IN THE TRENCH DETAIL DRAWINGS.
  - 3.c. THE BACKFILL SHALL BE MADE IN 6-INCH LIFTS AND MECHANICALLY STAMPED AND PACKED, AND THE LAST 12-INCHES OF THE BACKFILL SHALL BE OF STABLE 3/4-INCH MINUS CRUSHED ROCK OR GRAVEL.
  - 3.d. CARE SHALL BE TAKEN NOT TO DAMAGE CABLE DURING COMPACTION OF GRAVEL.
4. PERMANENT ABOVE GROUND MARKERS IDENTIFYING UNDERGROUND CROSSING POWER CABLES SHALL BE INSTALLED AND MAINTAINED AT BOTH EDGES OF THE ROW EASEMENT.
5. IN THE INTEREST OF SAFETY, TRENCHING AND THE PARKING OF EQUIPMENT SHOULD BE PERFORMED AS FAR AS POSSIBLE FROM TRAFFIC LANES.
6. NO DIGGING OR EQUIPMENT WILL BE PERMITTED IN CENTER MEDIANS OR DITCH LINES OR ROAD R.O.W. WITHOUT WRITTEN PERMISSION FROM THE EASEMENT OWNER.

**ISSUED FOR CONSTRUCTION**

**M M**  
**MOTT MACDONALD**

10415 MORADO CIRCLE  
 BUILDING 1, SUITE 200  
 AUSTIN, TX 78759  
 PHONE 512.342.9516  
 FAX 512.342.9708

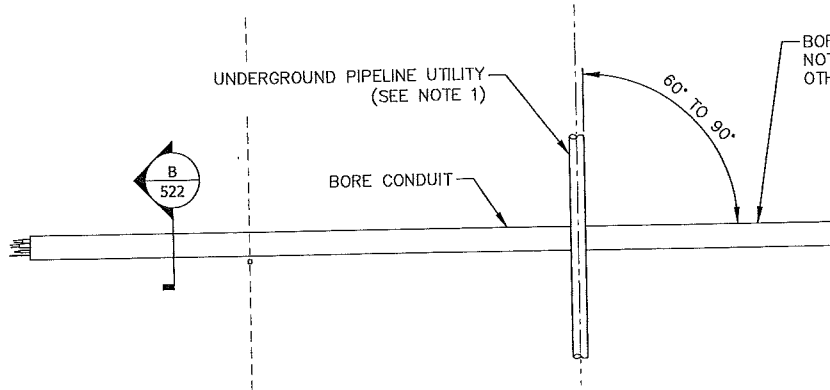


ENGINEERING RECORD	DATE
DRAWN: A. MOTT	11/28/16
CHECKED: E. KOEHLER	09/21/16
DESIGNED: C. FERRELL, PE	12/09/16
APPROVED: S. AKERS, PE	12/16/16

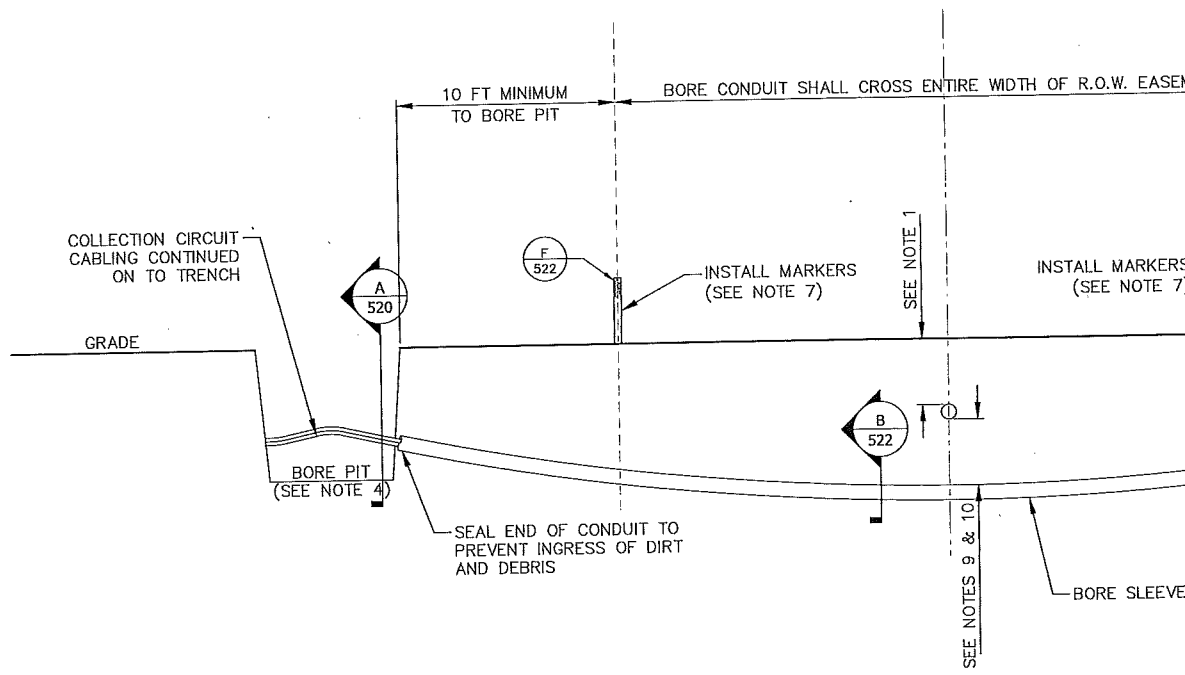
EL CABO WIND PROJECT  
 UNDERGROUND COLLECTOR SYSTEM  
 ROAD CROSSING DETAILS

CAD FILE: ELC-E-522-01.dwg	SCALE: NONE	DWG. NO: ELC-E-522	SHEET 1 of 3	REV 0
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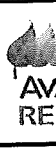


**C** FEEDER PIPELINE CROSSING - PLAN VIEW  
Not to Scale



**D** FEEDER PIPELINE CROSSING - SECTION VIEW  
Not to Scale

REV	REVISION	DATE	BY	CHK	APP	NO.	REVISION	DATE	BY	CHK	APP
0	ISSUE FOR CONSTRUCTION	12/16/16	AMM	CSF	SRA						



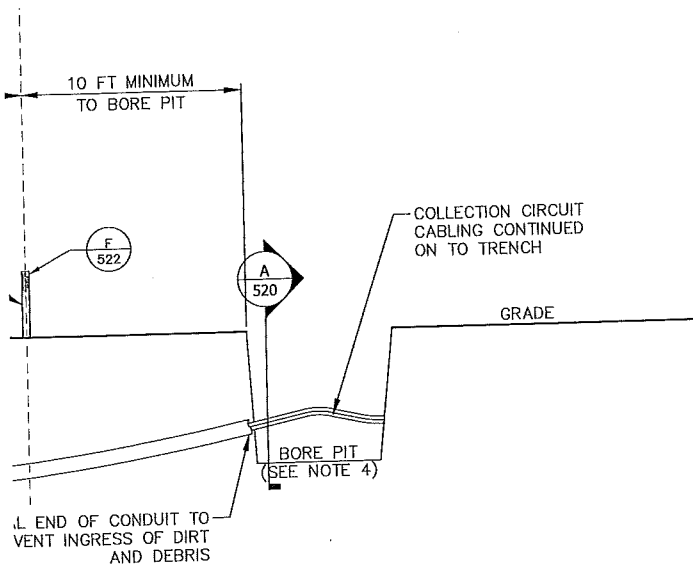
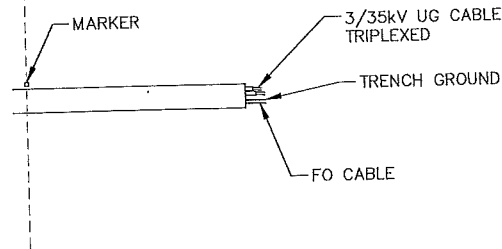
NOTES

1. PRIOR TO EXCAVATION, CONTRACTOR SHALL CONTACT LOCAL ONE CALL UTILITY LOCATING SERVICES TO VERIFY DEPTH AND LOCATION OF ALL UTILITIES AT THE CROSSING LOCATION.
2. ALL PIPELINE CROSSINGS SHALL COMPLY WITH SPECIFIC AGREEMENTS AND PERMITS WITH PIPELINE OWNER/OPERATOR. IN THE CASE THAT THIS DOCUMENT CONFLICTS WITH THESE SPECIFIC AGREEMENTS AND/OR PERMITS, THE CONTRACTOR SHALL COMPLY WITH THE AGREEMENTS/PERMITS AND NOTIFY THE ENGINEER OF RECORD OF THE CONFLICT.
3. TIME TO COMPLETE A BORE SHALL BE KEPT WITHIN THE LIMITS OF OPEN BORING OR ADVANCING A CONDUIT THAT CAN BE PROPERLY REAMED AND CLEANED OUT WITHIN ONE WORKING DAY. UNDER NO CIRCUMSTANCES SHALL MUCK OR WATER BE LEFT STANDING INSIDE THE BORE AT THE END OF A WORKING DAY, OR DUE TO A BREAK-DOWN OF EQUIPMENT OF MORE THAN EIGHT HOURS.
4. FOR OPEN PITS, CONSTRUCTION CREWS ARE ALLOWED A MAXIMUM OF 72 HOURS WITH PROPER BARRICADES AND COVERS FOR SAFETY OF GENERAL PUBLIC AND ANIMALS.
5. THE CONTRACTOR SHALL USE SCHEDULE 40 HDPE CONDUIT (OR ACCEPTED EQUAL) FOR CONDUITS 6-INCHES AND SMALLER AND SCHEDULE 80 HDPE FOR ALL CONDUITS LARGER THAN 6 INCHES.
6. CONTRACTOR MAY UTILIZE A SINGLE ABOVE GRADE SPLICE ON ONE SIDE OF THE CROSSING. THE SPLICE BOX MUST BE PLACE OUTSIDE OF THE RIGHT-OF-WAY, EASEMENT, OR ANY OTHER PROPERTY SETBACKS.
7. PERMANENT ABOVE GRADE ROUTE MARKERS SHALL BE INSTALLED AND MAINTAINED AT THE LIMITS OF THE PIPELINE EASEMENT UNLESS THE CROSSING IS IN A CULTIVATED FIELD. IF CROSSING IS IN A CULTIVATED FIELD, THEN UNDERGROUND EXTENDED-RANGE MARKER BALLS SHALL BE INSTALLED.
8. EACH INSTALLED CROSSING SHALL BE ENCASED THROUGHOUT THE WIDTH OF THE PIPELINE UTILITY EASEMENT.
9. CONTRACTOR SHALL MAINTAIN A SEPARATION OF NOT LESS THAN 12 INCHES WHEN PARALLELING GAS, WATER, OIL, OR OTHER PIPELINE SYSTEMS AND NOT LESS THAN 6 INCHES WHEN CROSSING THESE PIPELINE SYSTEMS BETWEEN THE BOTTOM OF THE PIPELINE SYSTEM AND THE TOP OF THE COLLECTION SYSTEM INSTALLATION CONDUIT, UNLESS OTHERWISE SPECIFICALLY AGREED UPON AND NOTED BY IBERDROLA AND THE PIPELINE UTILITY PRIOR TO CONSTRUCTION.
10. COLLECTION SYSTEM CABLES SHALL BE SEPARATED FROM GAS TRANSMISSION LINES BY A CLEARANCE OF NOT LESS THAN 12 INCHES. IF THIS CLEARANCE CANNOT BE ATTAINED, THE GAS TRANSMISSION LINE SHALL BE PROTECTED FROM DAMAGE THAT MIGHT RESULT FROM THE PROXIMITY OF THE COLLECTION SYSTEM CABLES.

SPECIAL NOTE

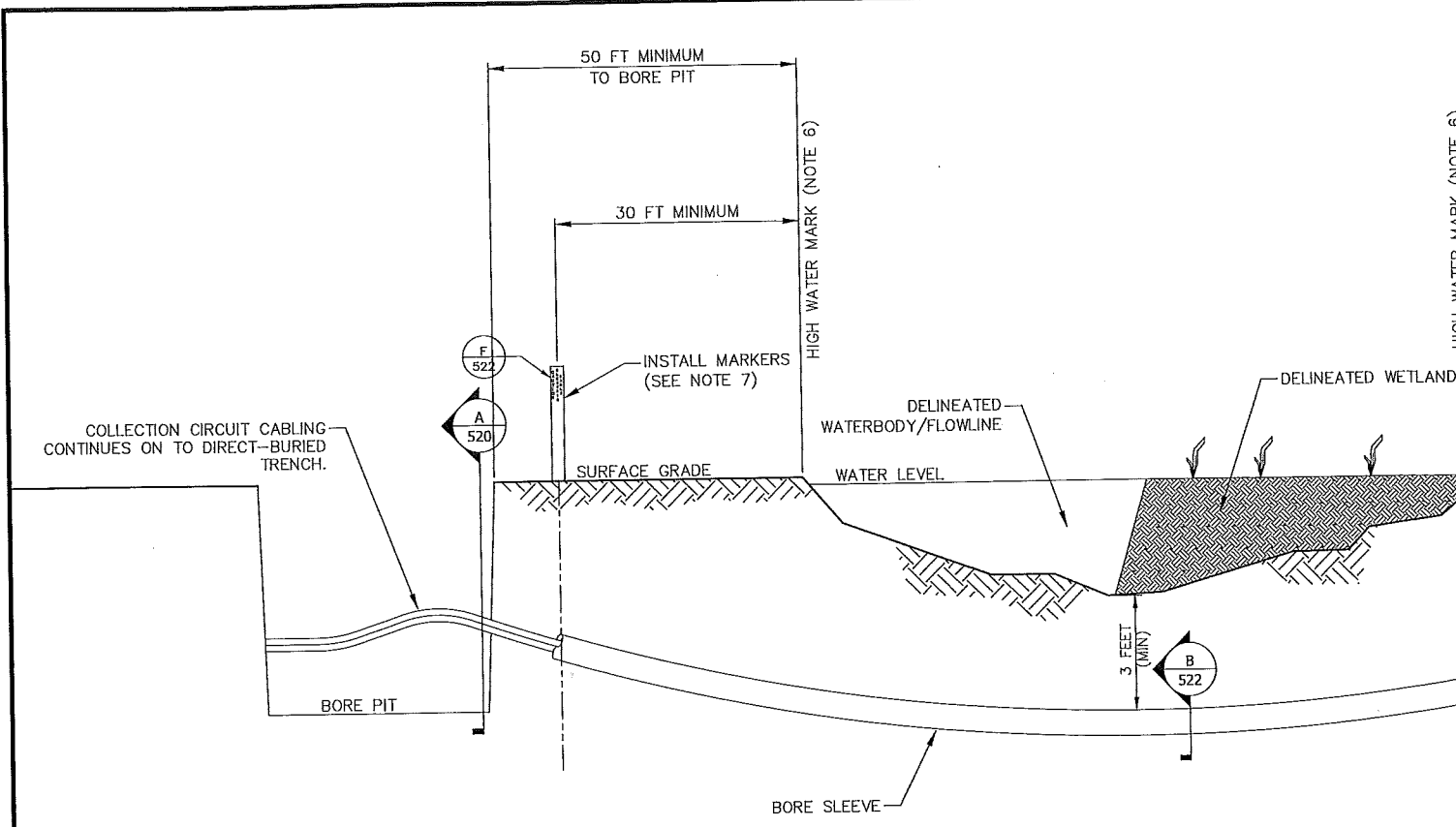
THIS SHEET IS PROVIDED AS A GUIDANCE DOCUMENT IF ANY EXISTING UNDERGROUND UTILITIES ARE DISCOVERED DURING CONSTRUCTION. AT THE COMPLETION OF THE DESIGN NO UNDERGROUND UTILITIES HAVE BEEN IDENTIFIED OVER PROPOSED COLLECTION TRENCHES.

ALL PASS UNDER PIPELINE AT AN ANGLE  
THAN 60° FROM PIPELINE, UNLESS NOTED  
BY THE FINAL CROSSING AGREEMENTS.



ISSUED FOR CONSTRUCTION

<b>ID</b> <b>FILES</b>	<b>M</b> <b>MOTT</b> <b>MACDONALD</b>	10415 MORADO CIRCLE BUILDING 1, SUITE 200 AUSTIN, TX 78759 PHONE 512.342.9516 FAX 512.342.9708		EIP-ENGINEER: P. OPOD	DATE: 11/28/16	EL CABO WIND PROJECT UNDERGROUND COLLECTOR SYSTEM PIPELINE CROSSING DETAILS
				DRAWN: A. MOTT	09/21/16	
SAMPLE: ELC-E-522-02.dwg				SCALE: NONE	DWS: ELC-E-522	SHEET 2 of 4



**E** STREAMS AND WETLANDS HDB CROSSING - SECTION VIEW

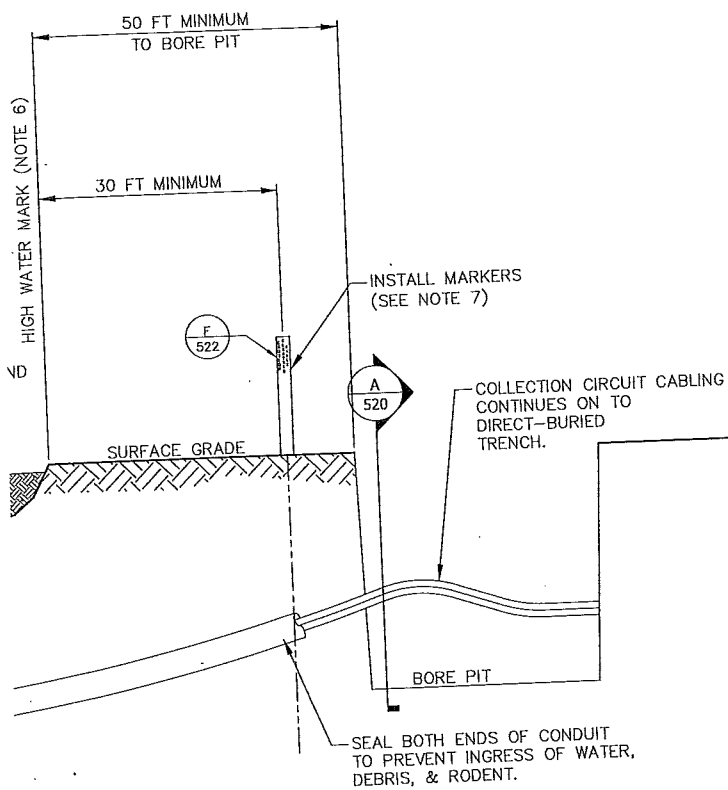
**UTILITY MARKER NOTES**

1. UTILITY MARKERS SHALL BE PLACED ON EACH SIDE OF ROADWAY CROSSINGS, PIPELINE CROSSINGS, TELEPHONE AND COMMUNICATION EASEMENTS.
2. IN THE CASE OF FARMED FIELDS, UNDERGROUND MARKERS/LOCATORS SHALL BE INSTALLED IN LIEU OF UTILITY MARKERS.
3. FOR A CONTINUOUS TRENCH IN AN EASEMENT FOR A DISTANCE OF GREATER THAN 1000 FEET, AN UNDERGROUND CABLE LOCATOR WITH GPS COORDINATES SHALL BE INSTALLED.
4. UTILITY MARKERS SHALL BE EMBEDDED A MINIMUM OF 18".

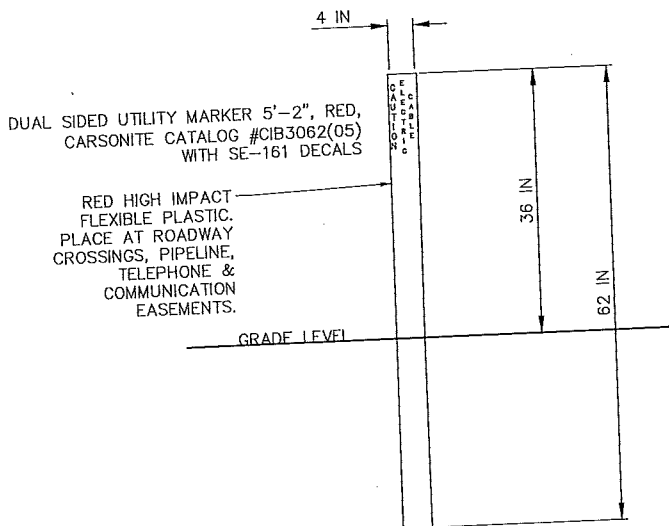
REV.	REVISIONS	DATE	BY	CHK	APP	NO	PC/DATE	DATE	BY	CHK	APP
0	ISSUE FOR CONSTRUCTION							12/16/16	AMM	CSF	SRA



# STREAMS AND WETLAND CROSSING NOTES



IEW  
Not to Scale



F UTILITY MARKERS  
Not to Scale

1. CONTRACTOR SHALL CONTACT LOCAL DEPARTMENT OF NATURAL RESOURCES PRIOR TO EXCAVATION TO CONFIRM WHICH STREAMS AND WETLAND CROSSINGS THROUGHOUT THE PROJECT SITE WILL REQUIRE ANY SPECIAL PROCEDURES OR RESTRICTIONS ABOVE WHAT IS DESCRIBED ON THIS DRAWING.
2. IF INTERMITTENT STREAMS ARE FLOWING AT THE TIME THE PROJECT COMMENCES, WORK IN AND AROUND INTERMITTENT STREAMS SHALL BE RESTRICTED UNTIL SURFACE WATERS ARE NOT LONGER FLOWING.
3. ALL CROSSINGS OF STREAMS AND WETLANDS SHALL COMPLY WITH THE PROJECT SWPP PLAN AND ANY SPECIFIC AGREEMENTS OR PERMITS BY JURISDICTIONAL AUTHORITY. IN THE CASE THAT THIS DOCUMENT CONFLICTS WITH THESE SPECIFIC AGREEMENTS AND/OR PERMITS, THE CONTRACTOR SHALL COMPLY WITH THE AGREEMENTS/PERMITS AND NOTIFY THE ENGINEER OF RECORD OF THE CONFLICT.
4. ALL PRACTICABLE EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN GOOD WORKING ORDER THROUGHOUT CONSTRUCTION TO PREVENT THE UNAUTHORIZED DISCHARGE OF MATERIAL INTO A WETLAND OR TRIBUTARY. THE DEVICES SHALL BE INSTALLED TO MAXIMIZE THEIR EFFECTIVENESS, E.G. THE SEDIMENT FENCES SHALL GENERALLY BE BURIED OR SIMILARLY SECURED. THESE CONTROLS SHALL BE MAINTAINED UNTIL PERMANENT EROSION CONTROLS ARE IN PLACE. PRACTICABLE EROSION CONTROL MEASURES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
  - 4.a. FILL IS PLACED IN A MANNER THAT AVOIDS DISTURBANCE TO THE MAXIMUM PRACTICABLE EXTENT (E.G. PLACING FILL WITH A MACHINE RATHER THAN END-DUMPING FROM A TRUCK).
  - 4.b. PREVENT ALL CONSTRUCTION MATERIALS AND DEBRIS FROM ENTERING WATERWAY.
  - 4.c. USE FILTER BAGS, SEDIMENT FENCES, SEDIMENT TRAPS OR CATCH BASINS, SILT CURTAINS, LEAVE STRIPS OR BERMS, JERSEY BARRIERS, SAND BAGS, OR OTHER MEASURES SUFFICIENT TO PREVENT MOVEMENT OF SOIL.
  - 4.d. USE IMPERVIOUS MATERIALS TO COVER STOCKPILES WHEN UNATTENDED OR DURING RAIN EVENT.
  - 4.e. NO HEAVY MACHINERY IN A WETLAND OR OTHER WATERWAY.
  - 4.f. USE A GRAVEL STAGING AREA AND CONSTRUCTION ACCESS.
  - 4.g. FENCE OFF PLANTED AREAS TO PROTECT FROM DISTURBANCE AND/OR EROSION.
  - 4.h. FLAT OR FENCE OFF WETLANDS ADJACENT TO THE CONSTRUCTION AREA.
5. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED DAILY TO ENSURE THEIR CONTINUED EFFECTIVENESS.
6. THE HIGH WATER MARK FOR ALL STREAMS AND WETLANDS SHALL BE DETERMINED BY THE GOVERNING AUTHORITY.
7. PERMANENT ABOVE GRADE UTILITY MARKERS SHALL BE INSTALLED AND MAINTAINED AT A MINIMUM OF 40 FEET FROM HIGH WATER MARK AT POINT OF CROSSING.
8. EACH UNDERGROUND CROSSING SHALL BE ENCASED THROUGHOUT THE ENTIRE WIDTH OF STREAM OR WETLAND TO AT LEAST 30 FEET BEYOND HIGH WATER MARK AT THE POINT OF CROSSING.
9. TIME TO COMPLETE A BORE SHALL BE KEPT WITHIN THE LIMITS OF OPEN BORING OR ADVANCING A CONDUIT THAT CAN BE PROPERLY REAMED AND CLEANED OUT WITHIN ONE WORKING DAY. UNDER NO CIRCUMSTANCES SHALL MUCK OR WATER BE LEFT STANDING INSIDE THE BORE AT THE END OF A WORKING DAY, OR DUE TO A BREAK-DOWN OF EQUIPMENT OF MORE THAN EIGHT HOURS.
10. FOR OPEN PITS, CONSTRUCTION CREWS ARE ALLOWED A MAXIMUM OF 72 HOURS WITH PROPER BARRICADES AND COVERS FOR SAFETY OF GENERAL PUBLIC AND ANIMALS. TIME TO COMPLETE A BORE SHALL BE KEPT WITHIN THE LIMITS OF OPEN BORING OR ADVANCING A CONDUIT THAT CAN BE PROPERLY REAMED AND CLEANED OUT WITHIN ONE WORKING DAY. UNDER NO CIRCUMSTANCES SHALL MUCK OR WATER BE LEFT STANDING INSIDE THE BORE AT THE END OF A WORKING DAY, OR DUE TO A BREAK-DOWN OF EQUIPMENT OF MORE THAN EIGHT HOURS.
11. CONTRACTOR MAY UTILIZE A SINGLE ABOVE GRADE SPLICE ON ONE SIDE OF THE CROSSING. THE SPLICE BOX MUST BE PLACED OUTSIDE OF THE RIGHT-OF-WAY, EASEMENT, OR ANY OTHER PROPERTY SETBACKS.
12. CONTRACTOR SHALL USE HDPE CONDUIT (OR ACCEPTED EQUAL) FOR ALL BORED UNDERGROUND WETLAND CROSSINGS. SEE CROSSING AGREEMENT FOR SPECIFICS.
  - 12.a. SCHEDULE 40 HDPE FOR CONDUIT SIZES 6 INCHES OR LESS
  - 12.b. SCHEDULE 80 HDPE FOR CONDUIT SIZES GREATER THAN 6 INCHES

### SPECIAL NOTE

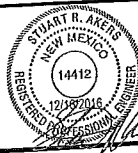
THIS SHEET IS PROVIDED AS A GUIDANCE DOCUMENT IF ANY JURISDICTIONAL WETLANDS OR STREAMS CROSSED DURING CONSTRUCTION. AT THE COMPLETION OF THE DESIGN NO JURISDICTIONAL WETLANDS OR STREAMS HAVE BEEN IDENTIFIED OVER PROPOSED COLLECTION TRENCHES.

ISSUED FOR CONSTRUCTION

GRID  
EWABLES

M  
MOTT  
MACDONALD

10415 MORADO CIRCLE  
BUILDING 1, SUITE 200  
AUSTIN, TX 78759  
PHONE 512.342.9516  
FAX 512.342.9708



ENGINEER/INSP. RECORD	DATE
DRAWN: A. MOTT	11/28/16
CHECKED: E. KOEHLER	09/21/16
DESIGNED: C. FERRELL, PE	12/09/16
APPROVED: S. AKERS, PE	12/16/16

EL CABO WIND PROJECT  
UNDERGROUND COLLECTOR SYSTEM  
STREAM & WETLAND CROSSING DETAIL

PROJECT: ELC-E-522-03.dwg

SHEET: NONE

DATE: 12/16/16

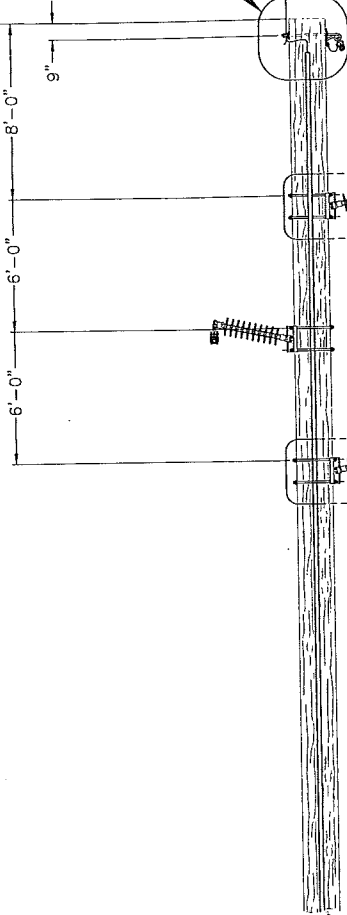
PROJECT: ELC-E-522

SHEET: 3 of 3

REV: 0

STRUCTURE HEIGHT  
(REFER TO STAKING TABLE)

SEE DETAIL "A"

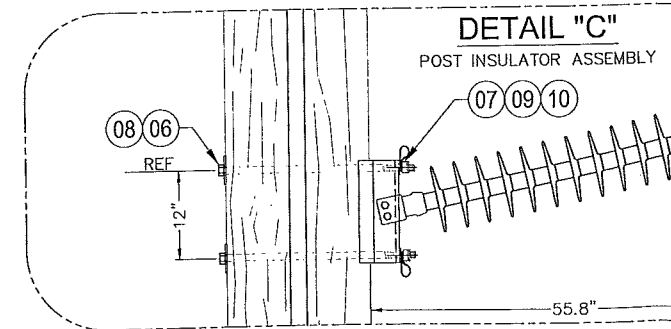
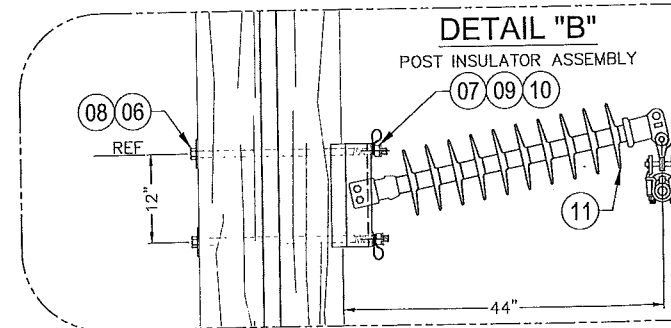
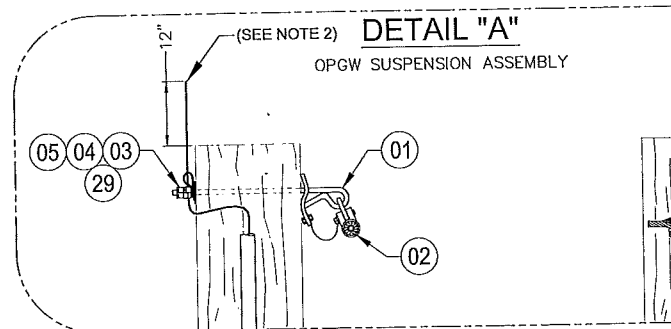


SEE DETAIL "B"

SEE DETAIL "C"

REFER TO WOOD POLE GROUNDING  
AND FOUNDATION DETAILS  
(SEE NOTE 1)

EMBEDMENT  
(REFER TO STAKING TABLE)



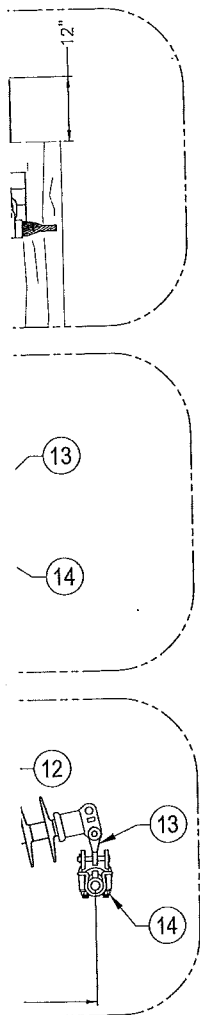
NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR	APR



List of Materials				
DWG. REF.	Qty.	Description	Manufacturer	Catalog #
1	1	Shield Wire Support Bracket 14", with nut & washer	Hughes	1501.6-14-B1CL
2	1	Fiber/ign OPGW Suspension Clamp	PLP	4300119-GA2-YC
3	1	5/8" Locknut, MF Type	Hughes	MF80
4	1	Bonding Clip, 5/16" Wire to 5/8" Bolt	Hughes	2727.6
6	1	Spring Washer, fits 5/8" Bolt	Hughes	2702.6
6	6	7/8" x 22" Bolt, Machine w/ Nut	Hughes	B822-6
7	6	7/8" Locknut, MF Type	Hughes	MF80
8	6	Washer, Curved Square 4", fits 7/8" Bolt	Hughes	SCW4-80
9	6	Washer, Round 3", fits 7/8" Bolt	Hughes	RW3-80
10	6	Spring Washer, fits 7/8" Bolt	Hughes	2702.8
11	2	Insulator, Horizontal Line Post, 44" section length	Hubbell	P250031S0070
12	1	Insulator, Horizontal Line Post, 55.8" ssection length	Hubbell	P250043S0070
13	3	Y-Clevis Eye, Rotated 90°	PLP	YC-5209
14	3	Armor-Grip Suspension Clamp	PLP	AGS-5139
29	1	5/8" Square Nut	Hughes	N80

**NOTES:**

- 1) REFER TO STAKING TABLE FOR DRAWING DETAIL NUMBERS.
- 2) REFER TO WOOD POLE GROUNDING DETAIL.
- 3) POLE BRAND TO BE PLACED ALONG BISECTOR.



**ISSUED FOR CONSTRUCTION**

**M M**  
**ID BLES** **MOTT MACDONALD**

10415 MORADO CIRCLE,  
 BLD 1, SUITE 300  
 AUSTIN, TX 78759  
 PHONE 512.342.9516  
 FAX 512.342.9708



ENGINEERING RECORD	DATE
DRAWN: P.LÓTFI	07/21/16
DESIGNED: M.BAUER	07/21/16
CHECKED: S.AKERS	12/16/16
APPROVED: S.AKERS	12/16/16

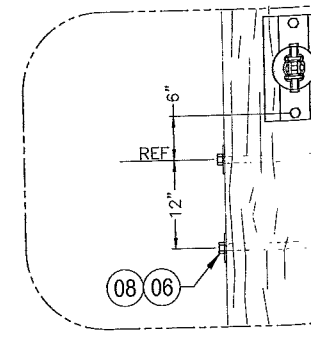
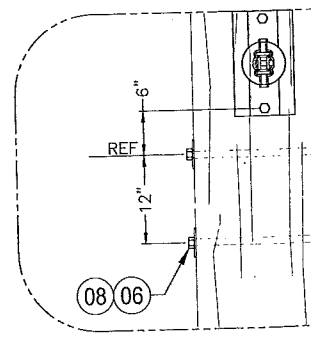
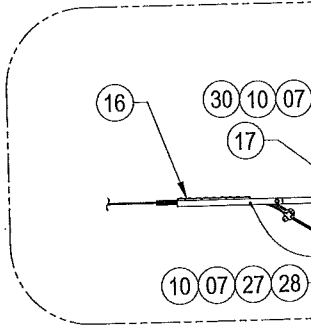
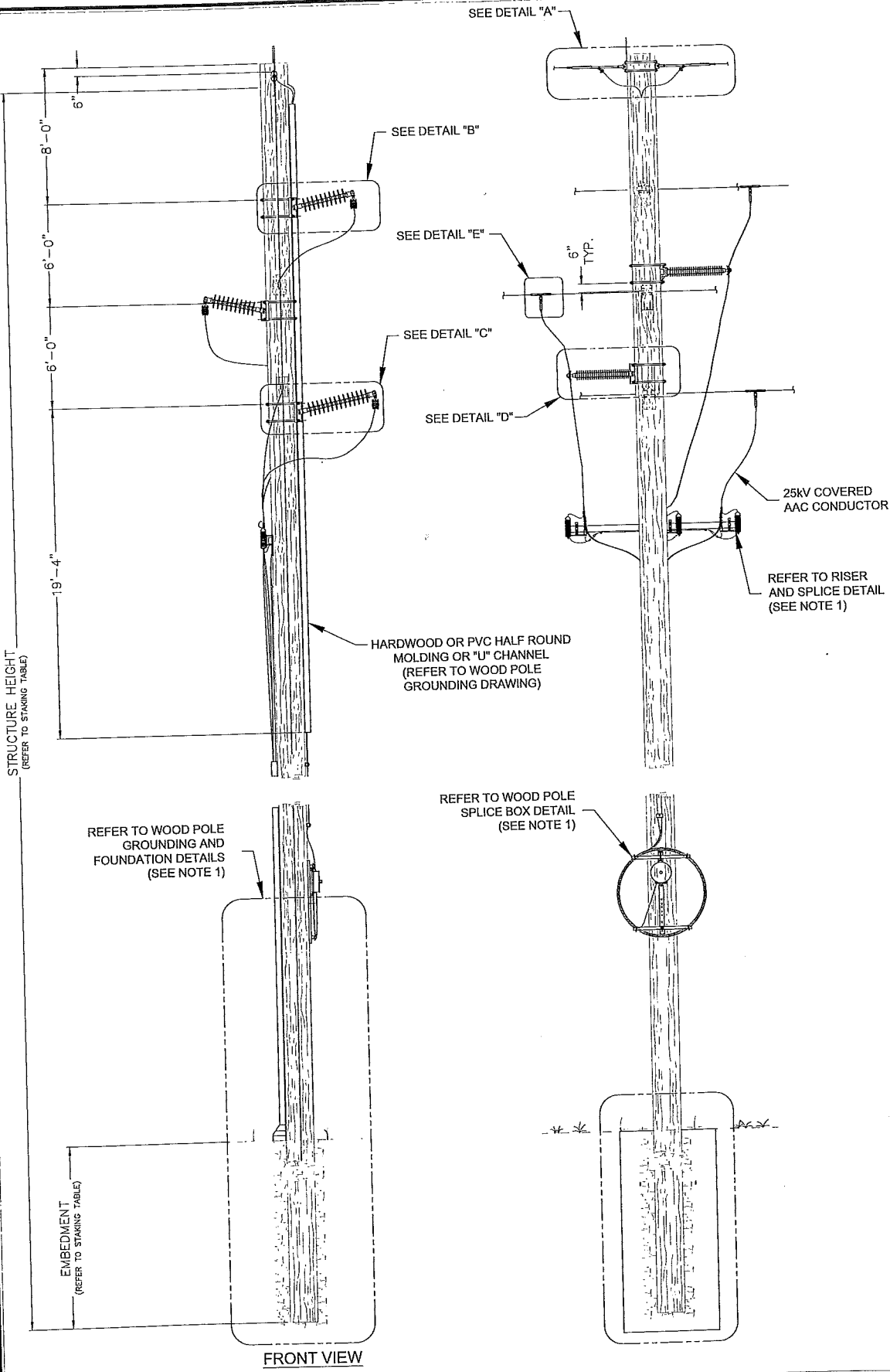
EL CABO WIND PROJECT  
 34.5kV Single Circuit Tangent  
 Wood Pole

CADFILE: ELC-E-555-01.DWG

SCALE:NONE

DWG.NO:ELC-E-555

SHEET 1 OF 23 REV. 0



NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
								12/16/16	MB	SA	SA
						0	ISSUED FOR CONSTRUCTION				

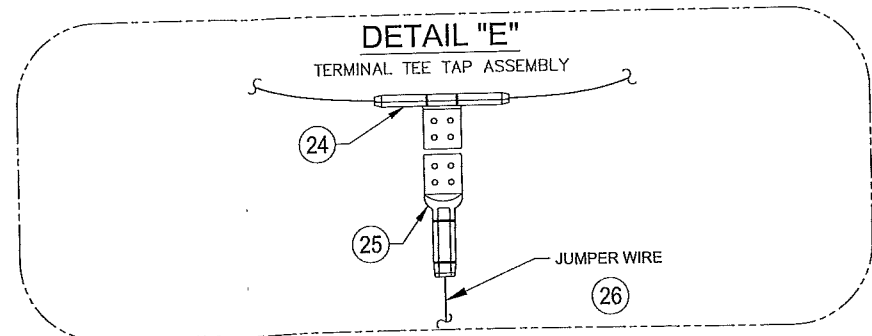
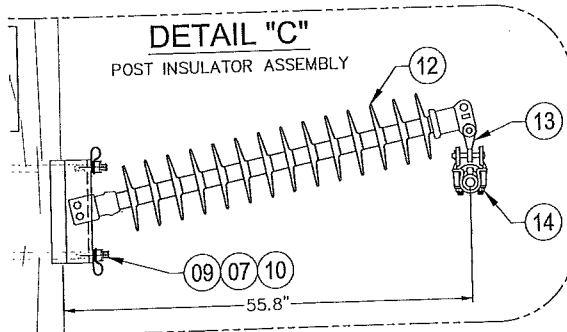
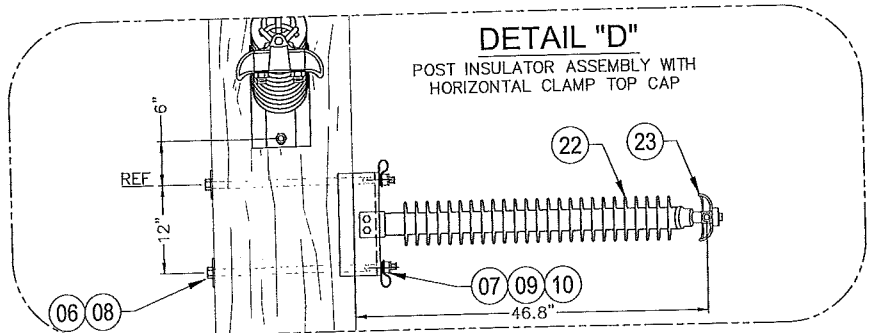
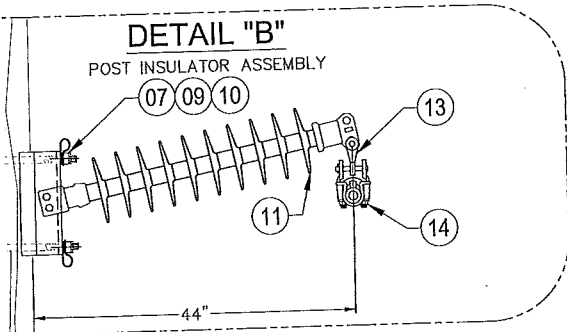
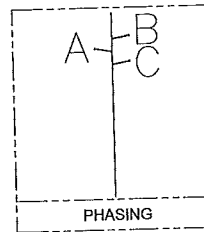
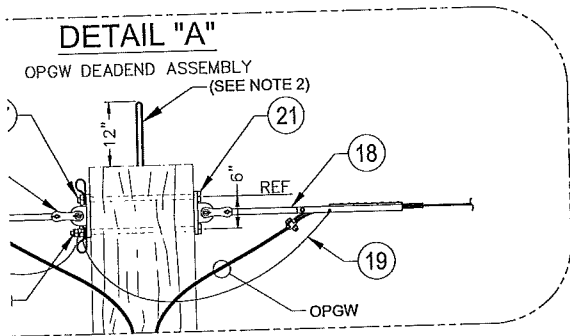




List of Materials				
DWG. REF	Qty	Description	Manufacturer	Catalog #
6	10	7/8" x 22" Bolt, Machine w/ Nut	Hughes	B822-6
7	12	7/8" Locknut, MF Type	Hughes	MF80
8	10	Washer, Curved Square 4", fits 7/8" Bolt	Hughes	SCW4-80
9	10	Washer, Round 3", fits 7/8" Bolt	Hughes	RW3-80
10	12	Spring Washer, fits 7/8" Bolt	Hughes	2702.8
11	2	Insulator, Horizontal Line Post, 44" section length	Hubbell	P250031S0070
12	1	Insulator, Horizontal Line Post, 65.8" section length	Hubbell	P250043S0070
13	3	Y-Clevis Eye, Rotated 90°	PLP	YC-5209
14	3	Armor-Grip Suspension Clamp	PLP	AGS-5139
16	2	Bolted Deadend for .691 dia. OPGW	AFL	ODES690/699G09
17	2	Y-Clevis clevis, 30,000lbs	AFL	YCC
18	2	Link Plate, 15" hole spacing 40,000lbs	AFL	ODELP15
19	1	Fiberfln formed wire dead-end, #4 cu bonding jumper	Preformed	710010527
21	2	Dead-end Tee, 60,000lbs	Hughes	2817-15
22	2	Insulator, Horizontal Line Post, Riser Jumper	Hubbell	P250036SSAAB
23	2	Trunnion Clamp, 25kV Covered 1272 Conductor	Hubbell	TSC200
24	3	Compression Tee Tap, 1.331-1.425, 4-Hole Pad	Hubbell	ORT2115
25	3	Compression Terminal, 4-Hole Pad, 1272 AAC Cable	Hubbell	ACF1340N4
26	200	1272 MCM AAC 3-Layer Tree Wire 25kV	AWG	-
27	1	Bonding Clip, 5/16" Wire to 7/8" Bolt	Hughes	2727.8
28	1	7/8" Square Nut	Hughes	N80
30	2	7/8" x 14" Bolt, Machine w/ Nut	Hughes	B814-6

**NOTES:**

- 1) REFER TO STAKING TABLE FOR DRAWING DETAIL NUMBERS.
- 2) REFER TO WOOD POLE GROUNDING DETAIL.
- 3) POLE BRAND TO BE PLACED ALONG BISECTOR.



**ISSUED FOR CONSTRUCTION**

**M**  
**GRID WABLES**

**M**  
**MOTT MACDONALD**

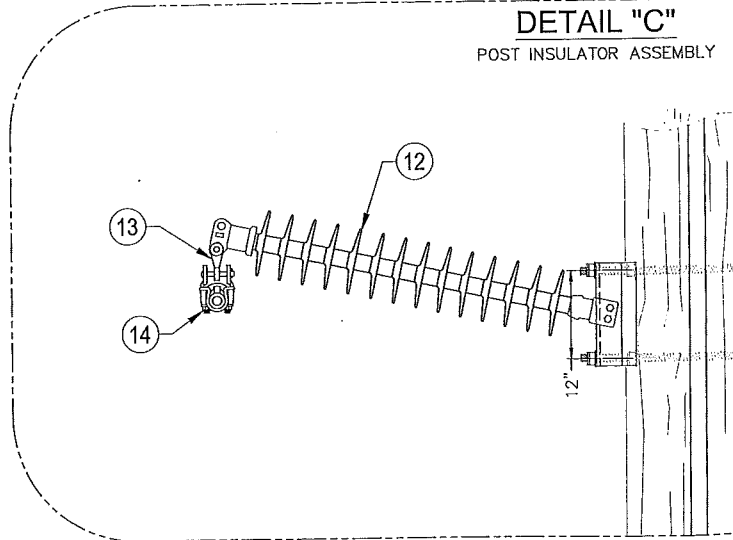
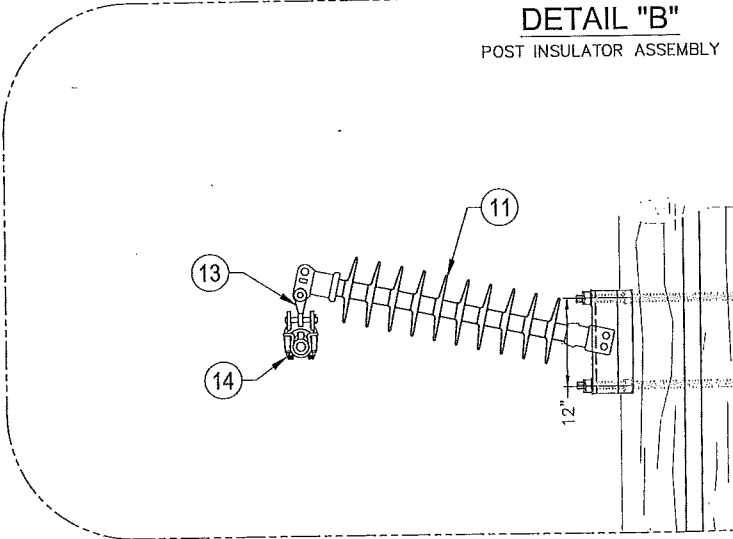
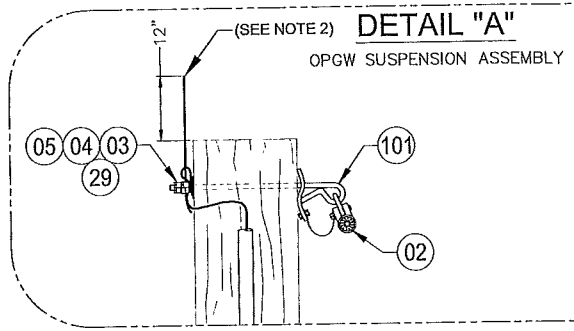
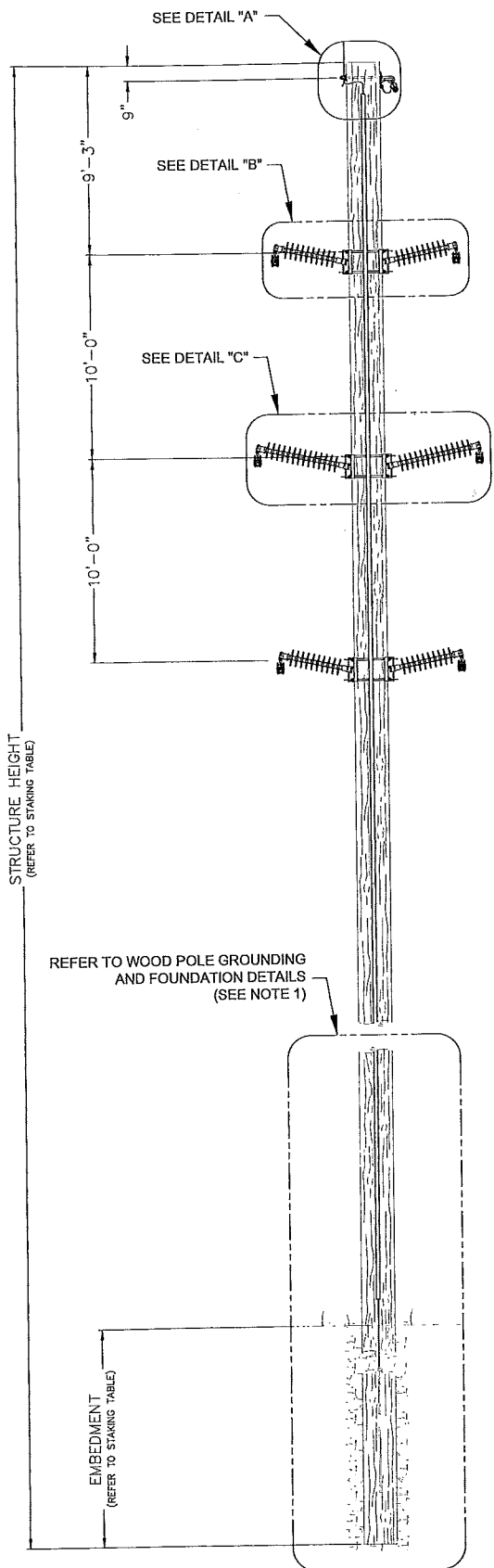
10415 MORADO CIRCLE,  
BLD 1, SUITE 300  
AUSTIN, TX 78759  
PHONE 512.342.9516  
FAX 512.342.9708



ENGINEERING RECORD	DATE
DRAWN: P. LQTFI	07/21/16
DESIGNED: M. BAUER	07/21/16
CHECKED: S. AKERS	12/16/16
APPROVED: S. AKERS	12/16/16

EL CABO WIND PROJECT  
34.5kV Single Circuit Tangent  
Wood Pole With Riser

SCALE: NONE    DWG. NO. ELC-E-555    SHEET 2 OF 23    REV 0



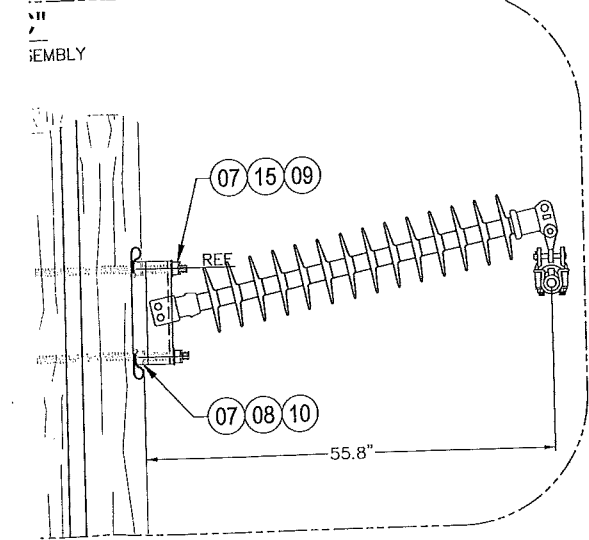
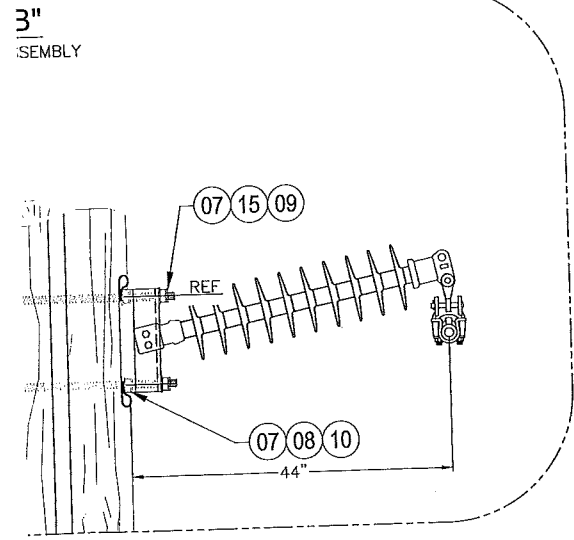
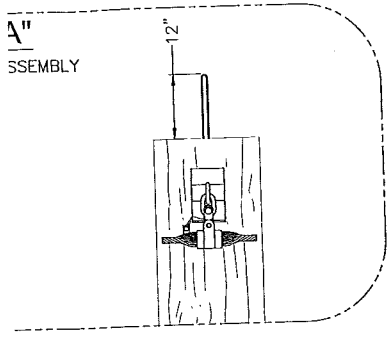
NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
						0	ISSUED FOR CONSTRUCTION	12/16/16	MB	SA	SA



List of Materials				Manufacturer	Catalog #
DWG. REF.	Qty.	Description			
2	1	Fiberign OPGW Suspension Clamp		PLP	4300119-GA2-YC
3	1	5/8" Locknut, MF Type		Hughes	MF60
4	1	Bonding Clip, 5/16" Wire to 5/8" Bolt		Hughes	2727.6
5	1	Spring Washer, fits 5/8" Bolt		Hughes	2702.6
7	24	7/8" Locknut, MF Type		Hughes	MF80
8	12	Washer, Curved Square 4", fits 7/8" Bolt		Hughes	SCW4-80
9	12	Washer, Round 3", fits 7/8" Bolt		Hughes	RW3-80
10	6	Spring Washer, fits 7/8" Bolt		Hughes	2702.8
11	4	Insulator, Horizontal Line Post, 44" section length		Hubbell	P250031S0070
12	2	Insulator, Horizontal Line Post, 55.8" ssection length		Hubbell	P250043S0070
13	6	Y-Clevis Eye, Rotated 90°		PLP	YC-5209
14	6	Armor-Grip Suspension Clamp		PLP	AGS-5139
15	6	7/8" x 34" Bolt, Double Arming w/ Nuts		Hughes	TR834-F
29	1	5/8" Square Nut		Hughes	N60
101	1	Shield Wire Support Bracket 16", with nut & washer		Hughes	1501.6-16-B1CL

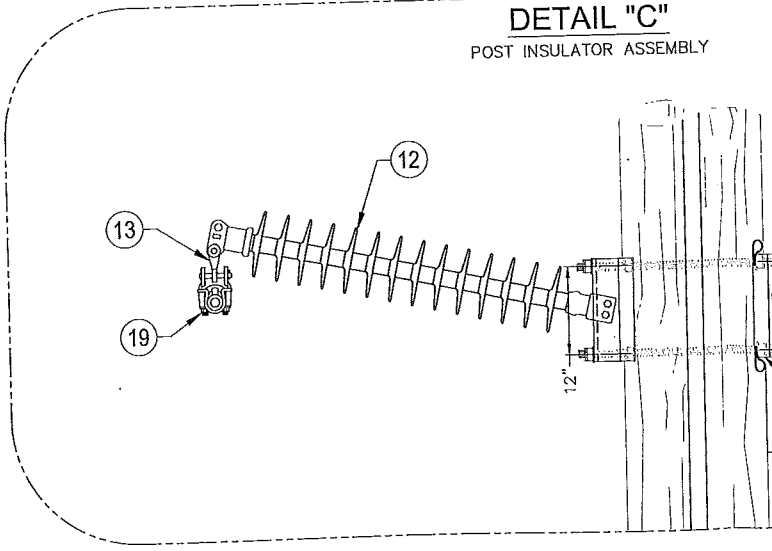
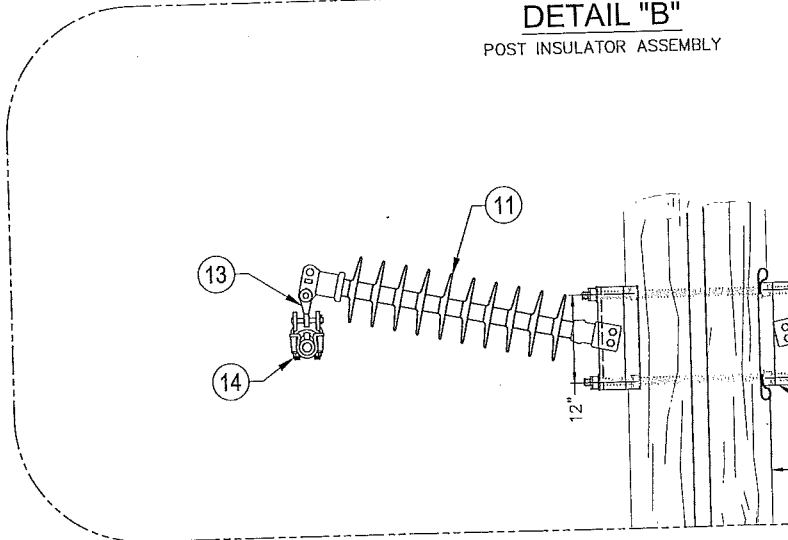
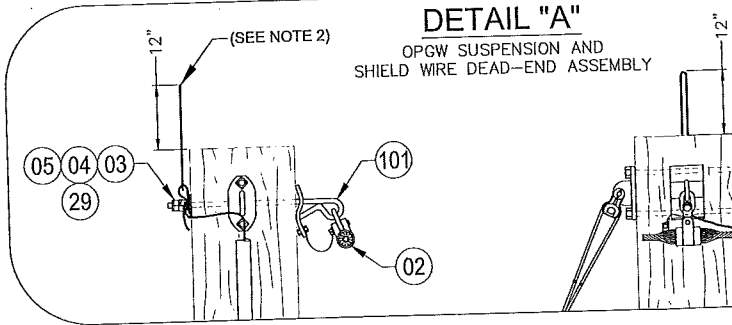
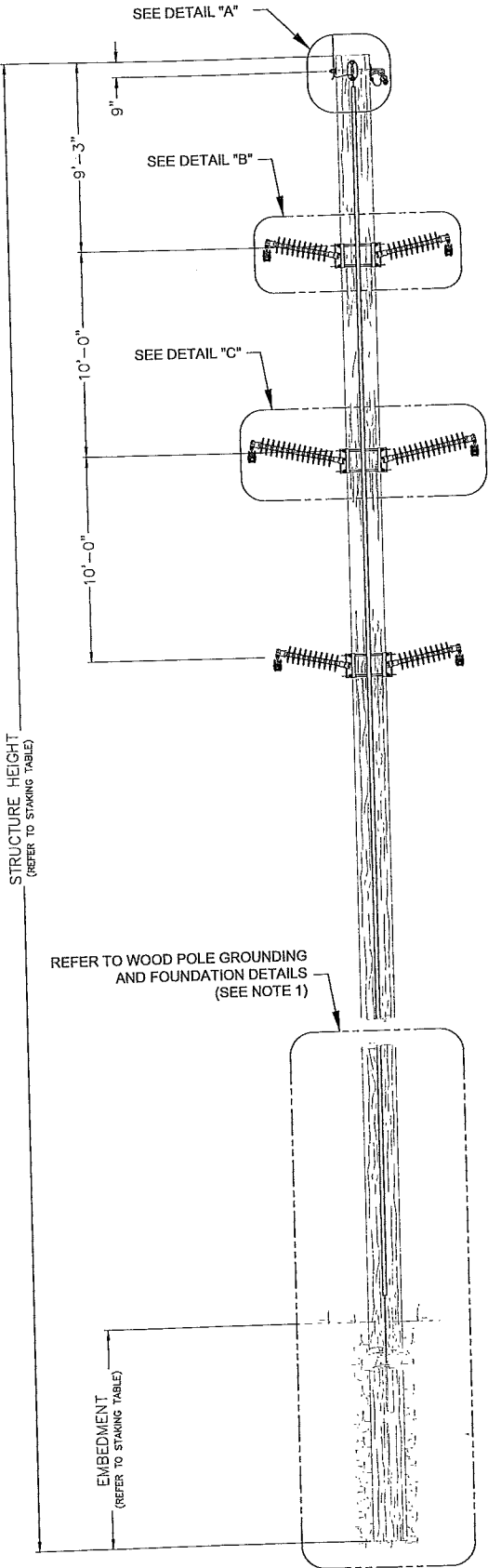
**NOTES:**

- 1) REFER TO STAKING TABLE, FOR DRAWING DETAIL NUMBERS.
- 2) REFER TO WOOD POLE GROUNDING DETAIL.
- 3) POLE BRAND TO BE PLACED ALONG BISECTOR.



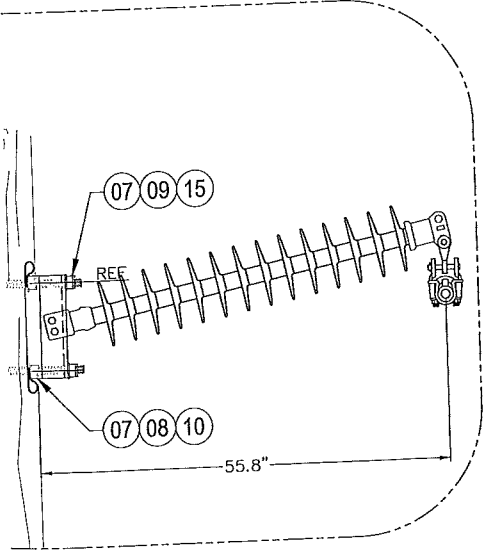
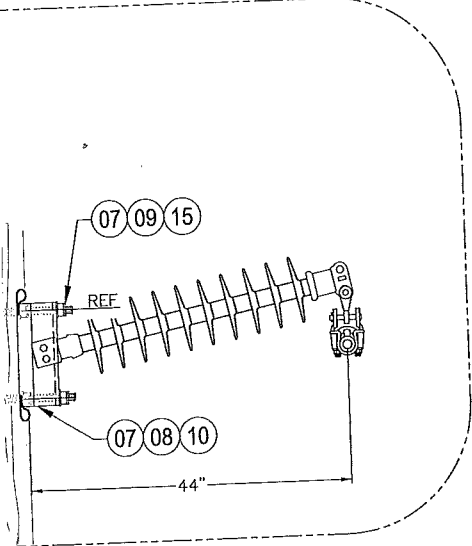
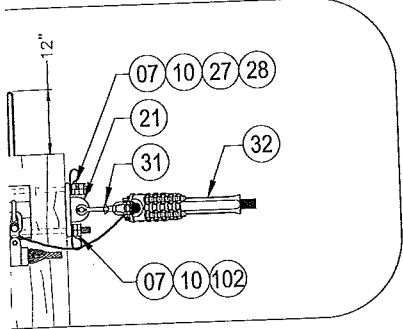
ISSUED FOR CONSTRUCTION

<p><b>AVANGRID</b> RENEWABLES</p>	<p><b>M</b> MOTT MACDONALD</p>	<p>10415 MORADO CIRCLE, BLD 1, SUITE 300 AUSTIN, TX 78759 PHONE 512.342.9516 FAX 512.342.9708</p>		ENGINEERING RECORD	DATE	<p>EL CABO WIND PROJECT 34.5kV Double Circuit Tangent Wood Pole</p>
				DRAWN: P.LOTFI	07/21/16	
DESIGNED: M.BAUER	07/21/16					
CHECKED: S.AKERS	12/16/16					
APPROVED: S.AKERS	12/16/16					
CAOFILE: ELC-E-555-03.DWG				SCALE: NONE	DWG. NO. ELC-E-555	SHEET 3 OF 23



NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS			DATE	BY	CHK	APR
							ISSUED FOR CONSTRUCTION	12/16/16	MB	SA	SA		
						0	ISSUED FOR CONSTRUCTION		12/16/16	MB	SA	SA	





List of Materials

DWG. REF.	Qty.	Description	Manufacturer	Catalog #
2	1	Fiber/Inn OPGW Suspension Clamp	PLP	4300119-GA2-YC
3	1	5/8" Locknut, MF Type	Hughes	MF60
4	1	Bonding Clip, 5/16" Wire to 5/8" Bolt	Hughes	2727.6
5	1	Spring Washer, fits 5/8" Bolt	Hughes	2702.6
7	24	7/8" Locknut, MF Type	Hughes	SCW4-80
8	12	Washer, Curved Square 4", fits 7/8" Bolt	Hughes	RW3-80
9	12	Washer, Round 3", fits 7/8" Bolt	Hughes	2702.8
10	7	Spring Washer, fits 7/8" Bolt	Hubbell	P250031S0070
11	4	Insulator, Horizontal Line Post, 44" section length	Hubbell	P250043S0070
12	2	Insulator, Horizontal Line Post, 55.8" section length	PLP	YC-5209
13	6	Y-Clevis Eye, Rotated 90°	PLP	AGS-5139
14	6	Armor-Grip Suspension Clamp	Hughes	TR834-F
15	6	7/8" x 34" Bolt, Double Arming w/ Nuts	Hughes	2817-15
21	2	Dead-end Tee, 60,000lbs	Hughes	2727.8
27	1	Bonding Clip, 5/16" Wire to 7/8" Bolt	Hughes	N80
28	1	7/8" Square Nut	Hughes	N60
29	1	5/8" Square Nut	Hubbell	AS25
31	1	Anchor Shackle, 30,000lbs	Hubbell	SWDE46C
32	1	Shield Wire Strain Clamp with Clevis	Hughes	1501.6-16-B1CL
101	1	Shield Wire Support Bracket 16", with nut & washer	Hughes	B818-6
102	2	7/8" x 18" Bolt, Machine w/ Nut		

NOTES:

- 1) REFER TO STAKING TABLE FOR DRAWING DETAIL NUMBERS.
- 2) REFER TO WOOD POLE GROUNDING DETAIL.
- 3) POLE BRAND TO BE PLACED ALONG BISECTOR.
- 4) REVERSE BOTTOM BOLT IF IN CONTACT WITH GUY OR CUT BOLT OFF TO 1/2" EXTENSION BEYOND NUT.

ISSUED FOR CONSTRUCTION

**M**  
IGRID  
EWABLES

**M**  
MOTT  
MACDONALD

10415 MORADO CIRCLE,  
BLD 1, SUITE 300  
AUSTIN, TX 78759  
PHONE 512.342.9516  
FAX 512.342.9708



ENGINEERING RECORD	DATE
DRAWN: P.LOTFI	07/21/16
DESIGNED: M.BAUER	07/21/16
CHECKED: S.AKERS	12/16/16
APPROVED: S.AKERS	12/16/16

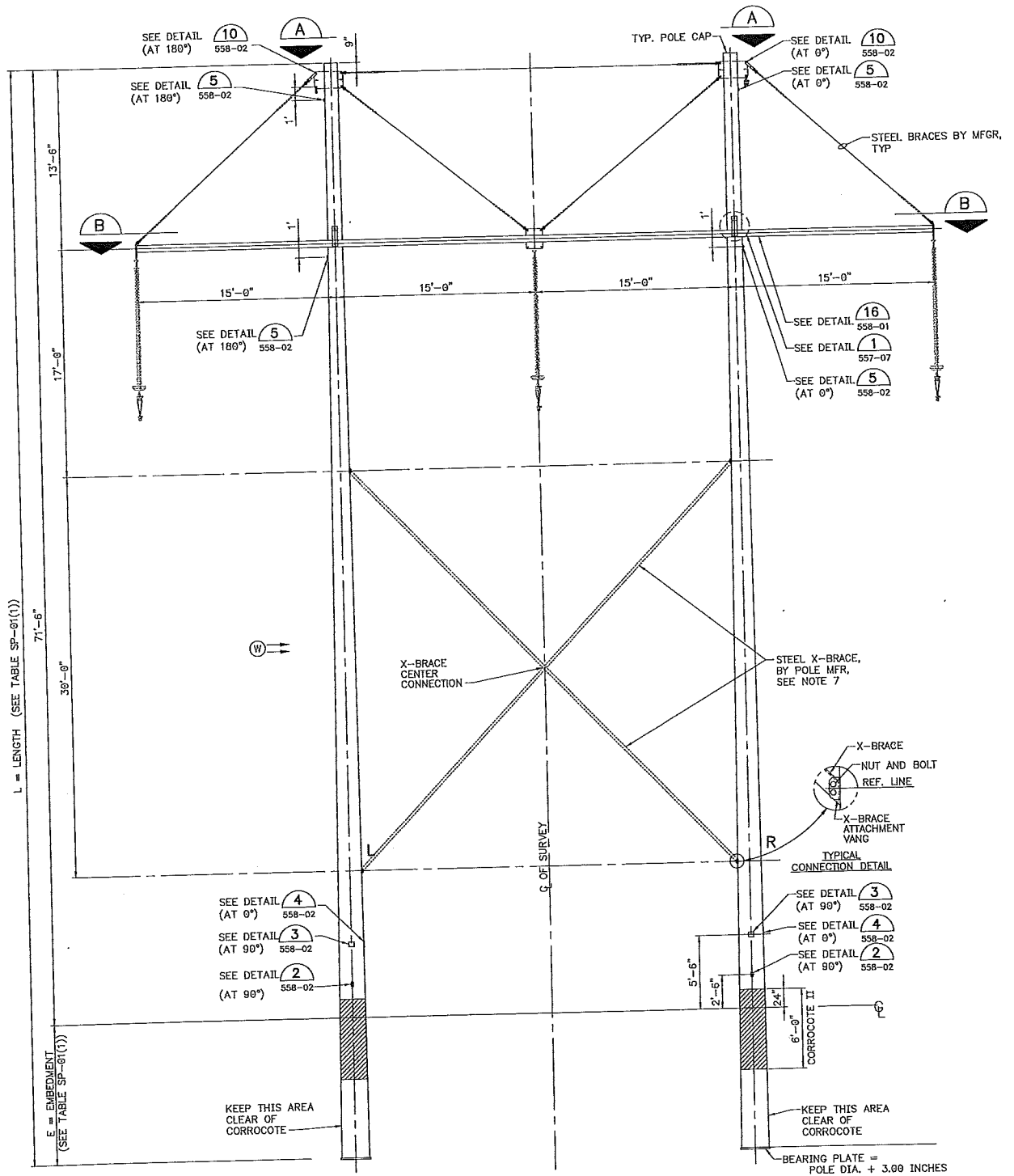
EL CABO WIND PROJECT  
34.5kV Double Circuit Tangent  
With SWDE Ahead Wood Pole

CADFILE: ELC-E-555-05.DWG

SCALE: NONE

DWG.No.ELC-E-555

SHEET 5 OF 23 REV 0

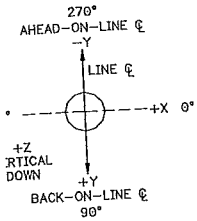


**2-POLE H-FRAME  
INLINE TANGENT**

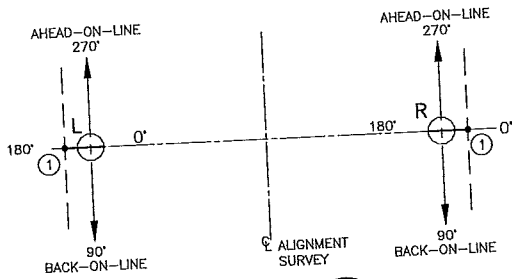
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						C	ISSUED FOR CONSTRUCTION	11/15/16	LB	PB	PB			



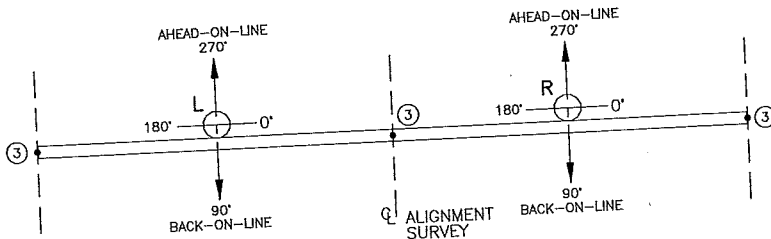
STRUCTURE	TH-345-I	Camber, C NA+			Construction, NA-I NA-			Extreme Ice NA+I NA+			RULE 250B NA-I NA-			RULE 250C NA-I NA-			Ice Imbalance Tan Ahead, I NA-		
		LOAD	V	T	L	V	T	L	V	T	L	V	T	L	V	T	L	V	T
OPGW	1	951	-87	0	6633	2854	11	2700	-221	-1	2134	-1188	-24	1416	-1520	-69	977	-333	623
TRANSMISSION	3	4402	-323	-1	10422	2402	-11	8564	-681	-2	9204	-3580	-42	6044	-5096	-196	4417	-1018	1886
WIND ON STRUC (psf)	WT		0			-2			0			-10			-28				-4



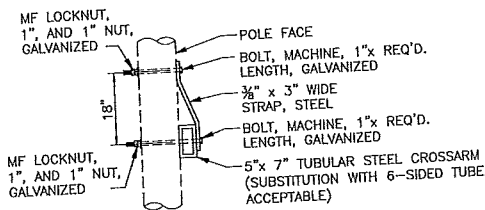
**E ORIENTATION**



**SECTION A**  
NTS



**SECTION B**  
NTS



**TYPICAL CROSSARM ATTACHMENT**

**DETAIL 1**  
NTS

CONDUCTOR IDENTIFICATION	A TRANSMISSION	B OPGW
NAME	PHEASANT	AC-77/77/778
SIZE/TYPE	1272 ACSR	-
STRANDING	54/19	-
DIAMETER (IN)	1.381	0.778
BARE WIRE (LBS/FT)	1.633	0.622
RBS (LBS)	43,600	26,284
NO. OF CONDUCTORS	2	1
INSULATOR WEIGHT (LBS.)	100	25
AZIMUTH AHEAD (°)	270	270
SPAN AHEAD (FT)	1000	1000
AZIMUTH BACK (°)	90	90
SPAN BACK (FT)	1000	1000

**STRUCTURE LOADING NOTES:**

1. POSITIVE X-DIRECTION IS ON THE 0° AXIS.
2. POSITIVE Y-DIRECTION IS PERPENDICULAR TO THE X-DIRECTION ON THE 90° AXIS.
3. POSITIVE Z-DIRECTION IS VERTICAL DOWN.
4. WIND ON POLE SHALL BE APPLIED IN THE DIRECTION WHICH PRODUCES THE WORST CASE GROUNDLINE REACTIONS.
5. ALL LOADS SHOWN ABOVE ARE IN POUNDS UNLESS NOTED OTHERWISE.
6. THE ABOVE TABLE INCLUDES THE FOLLOWING LOAD FACTORS.

	TENSION	WIND	VERTICAL
NESC MEDIUM	2.5	1.65	1.5
EXTR. ICE	1.0	1.0	1.0
EXTR. WIND	1.1	1.1	1.1
CAMBER	1.0	1.0	1.0

**GENERAL NOTES:**

1. (12) SIDED TUBULAR STEEL POLE, SHALL BE DESIGNED BY POLE MANUFACTURER TO MEET ALL LOADING REQUIREMENTS. CONTRACTOR SHALL ASSEMBLE AND INSTALL POLE PER MANUFACTURER'S INSTRUCTION.
2. ALL PARTS AND WELDMENTS SHIPPED WITH STRUCTURE SHALL BE MARKED WITH THEIR RESPECTIVE MARK NUMBER.
3. ALL PARTS SHALL BE CLEANED TO REMOVE ANY LOOSE RUST, SCALE, OR WELD FLUX RESIDUE.
4. PROVIDE THE FOLLOWING INFORMATION AT THE SLIP JOINT:
  - A. OVERLAP: MIN. DESIGN, MAX.
  - B. JACKING FORCE: MIN. DESIGN, MAX.
5. CLEARLY MARK CENTER OF GRAVITY ON EACH STRUCTURE SECTION ON 2 OPPOSITE FACES WITH 1/2" "+" OR "X" STENCIL.
6. EACH POLE SHALL BE CLEARLY MARKED WITH 12" LONG VERTICAL WELD BEAD LOCATED ON STRUCTURE AT 180°.
7. POLE MANUFACTURER SHALL PROVIDE STEEL CROSSARM AND STEEL X-BRACE COMPLETE WITH ALL MOUNTING HARDWARE AND CABLES WITH END FITTINGS.
8. ALL STEEL TUBES SHALL BE DESIGNED TO A MAXIMUM OF 90% STRUCTURE USAGE BASED ON THE LOADS PROVIDED.
9. PRETENSION DESIGN ASSUMPTIONS AND INSTALLATION GUIDES BY POLE MANUFACTURER.

**AVANGRID RENEWABLES**

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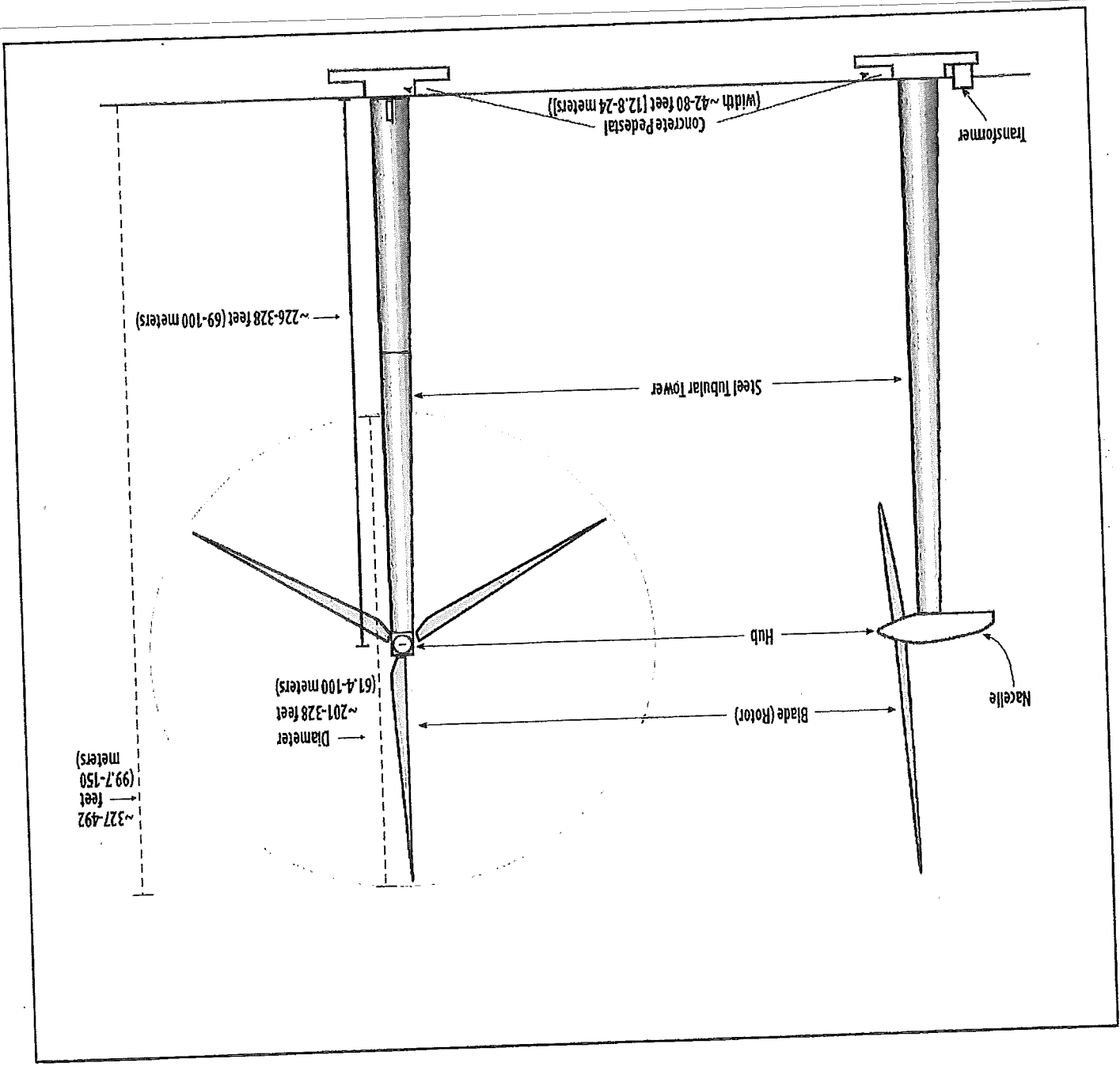
ENGINEERING RECORD	DATE
DES/DRFT BY: LWB	MAY 2016
ENGINEERED BY: PPB	MAY 2016
CHECKED BY: MDP	MAY 2016
CADFILE: ELC-T-557-07.DWG	

EL CABO WIND PROJECT  
345KV TRANSMISSION LINE  
STRUCTURE TYPE TH-345-S

SCALENTS	DWS.NO. ELC-T-557-07	SHEET 1 OF 1	REV

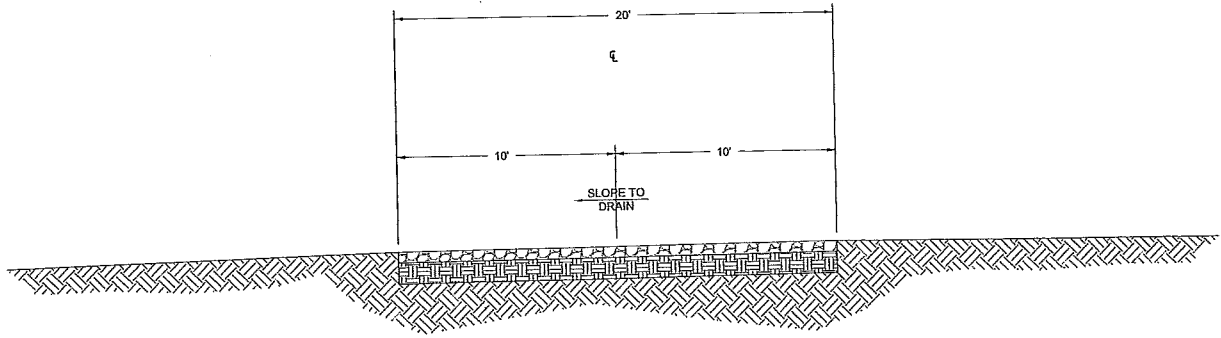


Figure 3. Turbine Schematic





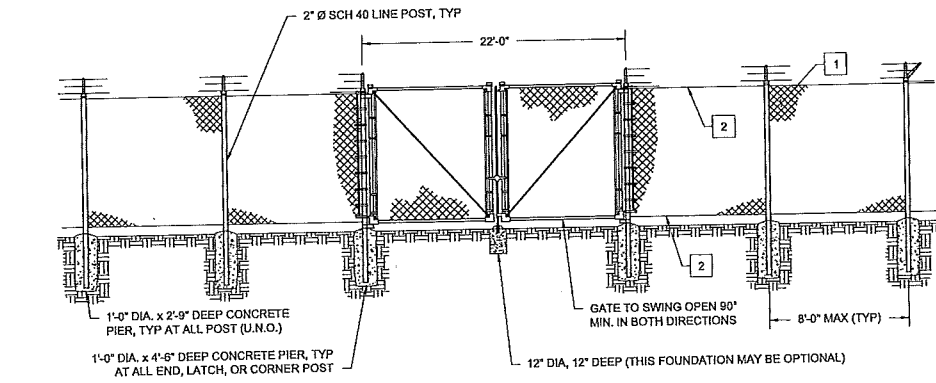
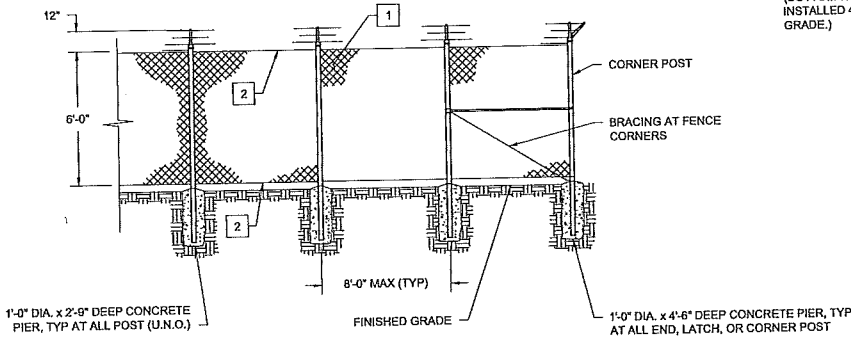
NOTE: TYPICAL ACCESS ROAD CROSS SECTION PER GEOTECHNICAL RECOMMENDATION.



**A** TYPICAL ON-SITE ACCESS ROAD SECTION  
SCALE: NTS

CONSTRUCTION NOTES:

- 1 WIRE FABRIC 9 GAGE, 2" MESH
- 2 NO. 7 GA. TENSION WIRES (BOTTOM WIRE SHALL BE INSTALLED 4" FROM FINISHED GRADE.)



**B** FENCE AND GATE DETAILS  
SCALE: NTS



**BLUE OAK ENERGY®**  
 1560 Drew Avenue  
 Davis, CA 95618  
 www.blueoakenergy.com  
 530.747.2026

CLIENT:



1125 NW COUCH ST. SUITE 700  
 PORTLAND, OREGON, 97209

A

B

C

D

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

-INTERNAL USE ONLY-		DRAWN	JT, HF
CHKD:	SPL		
P.M.L.	IG		
PROJECT #:	IBER.15.002		
FILE NAME:	CIVIL09B		
DATE:	01/26/16	JT	
BY:			
PRINTED:	01/26/2016		

PROJECT: CAMINO SOLAR PROJECT  
 PROJECT ADDRESS:  
 DRAWING TITLE: SECTIONS & DETAILS

DRAWING NO. C-301

3

4

302.20'

338.20'

INVERTER PAD



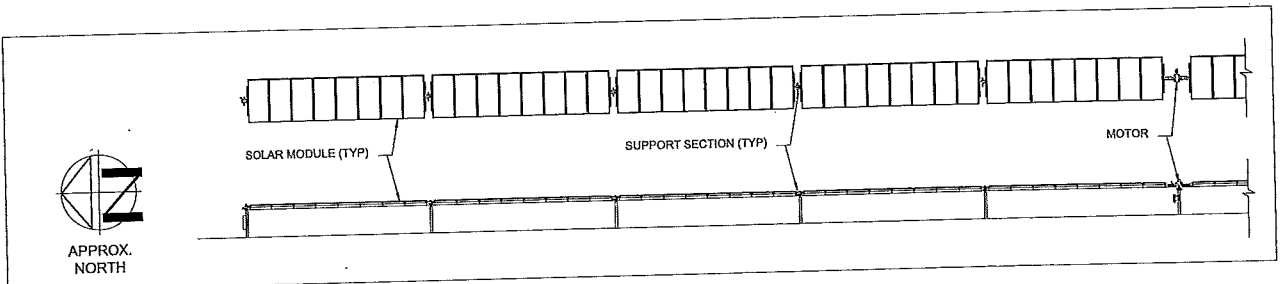
519.75'

18.33'

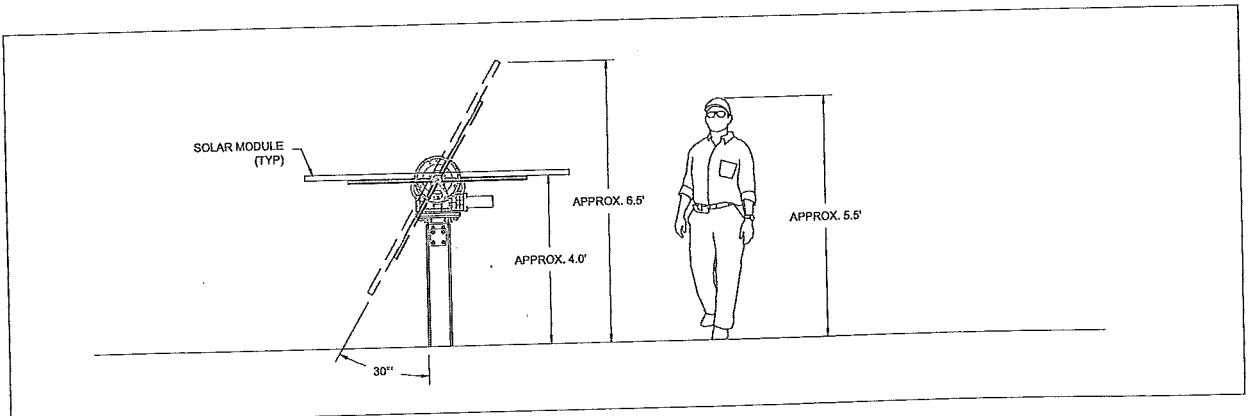


APPROX. NORTH

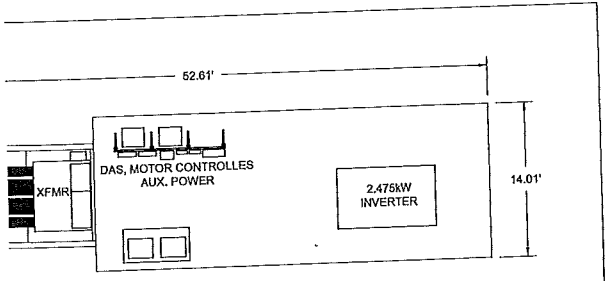
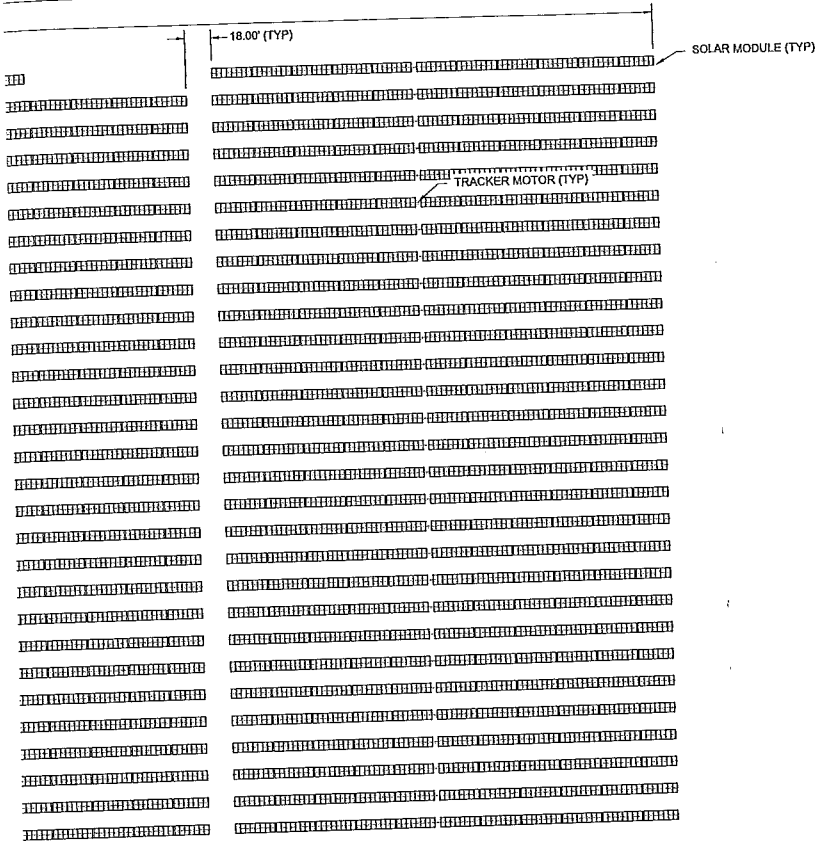
**A** 2.475 MW TRACKER BLOCK  
SCALE: NTS



**B** TRACKER ROW  
SCALE: NTS



**C** TRACKER ELEVATION  
SCALE: NTS



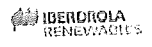
L INVERTER PAD



**BLUE OAK ENERGY**

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Davis, CA 95618  
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530.747.2026

CLIENT:



1125 NW COUCH ST, SUITE 700  
PORTLAND, OREGON, 97209

**PRELIMINARY  
NOT FOR CONSTRUCTION**

- INTERNAL USE ONLY -

DRAWN:	JT
CHKD:	SPL
PAL:	KS
PROJECT #:	
IBEDL15.002	
FILE NAME:	
ED1.dwg	

DATE:	01-28-16	JT
BY:		
PRINTED:		

DESCRIPTION:	PRELIMINARY
DATE:	01/28/2016

PROJECT: WHIRLWIND SOLAR PROJECT  
 DRAWING TITLE: ELECTRICAL/MECHANICAL DETAILS  
 PROJECT ADDRESS: \_\_\_\_\_

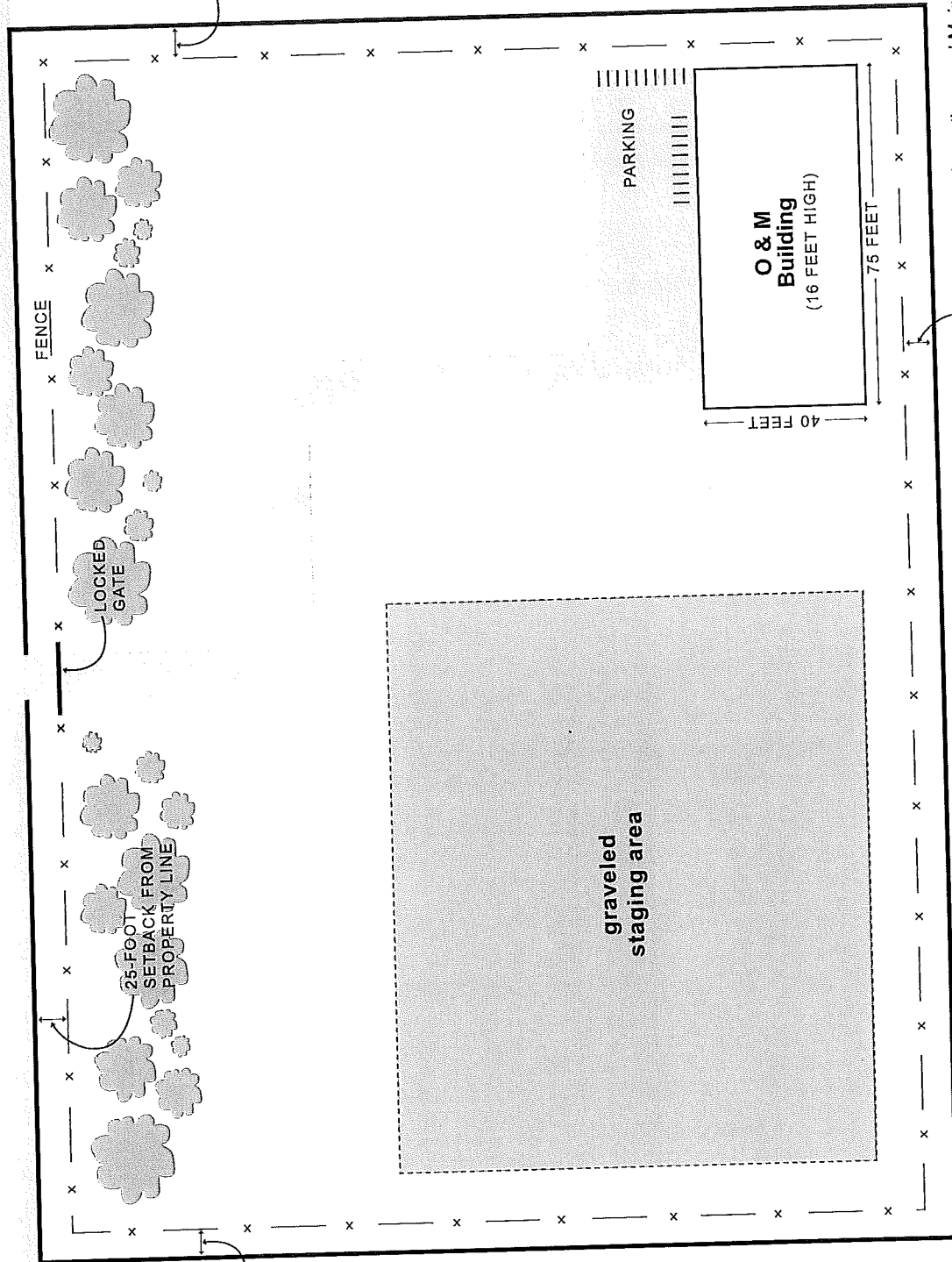
DRAWING NO. **ED1**

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20-FOOT SETBACK FROM PROPERTY LINE

FENCE

LOCKED GATE

25-FOOT SETBACK FROM PROPERTY LINE

20-FOOT SETBACK FROM PROPERTY LINE

PARKING

O & M Building  
(16 FEET HIGH)

40 FEET

75 FEET

graveled staging area

Not to Scale

20-FOOT SETBACK FROM PROPERTY LINE

**EXHIBIT N**  
Typical Operations and Maintenance Facility Drawing  
EL CABO WIND PROJECT



**IBERDROLA RENEWABLES**

**ACOUSTIC ASSESSMENT  
FOR THE LA JOYA AND LUCIA ENERGY PROJECT  
TORRANCE COUNTY, NEW MEXICO**

Prepared for

**Pacific Wind, LLC**

Prepared by

**Newton Environmental Consulting, LLC, and  
Environmental Planning Group, LLC**

**February 2017**

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## 1.0 Introduction

Pacific Wind, LLC, a wholly owned subsidiary of Avangrid Renewables, proposes construction of the La Joya and Lucia Energy Project (Project) on New Mexico State Land Office-managed land and private lands in Torrance County, New Mexico (Figure 1). The Project would involve construction of up to 800 megawatts (MW) of renewable energy facilities. The Project comprises two separate energy project sites, the La Joya facility and the Lucia facility:

- La Joya facility (La Joya)—a 42,400-acre area north of US 60 consisting of up to 201 wind turbines and a single photovoltaic solar array; and
- Lucia facility (Lucia)—a 28,750-acre area south of US 60 consisting of up to 200 wind turbines and a single photovoltaic solar array.

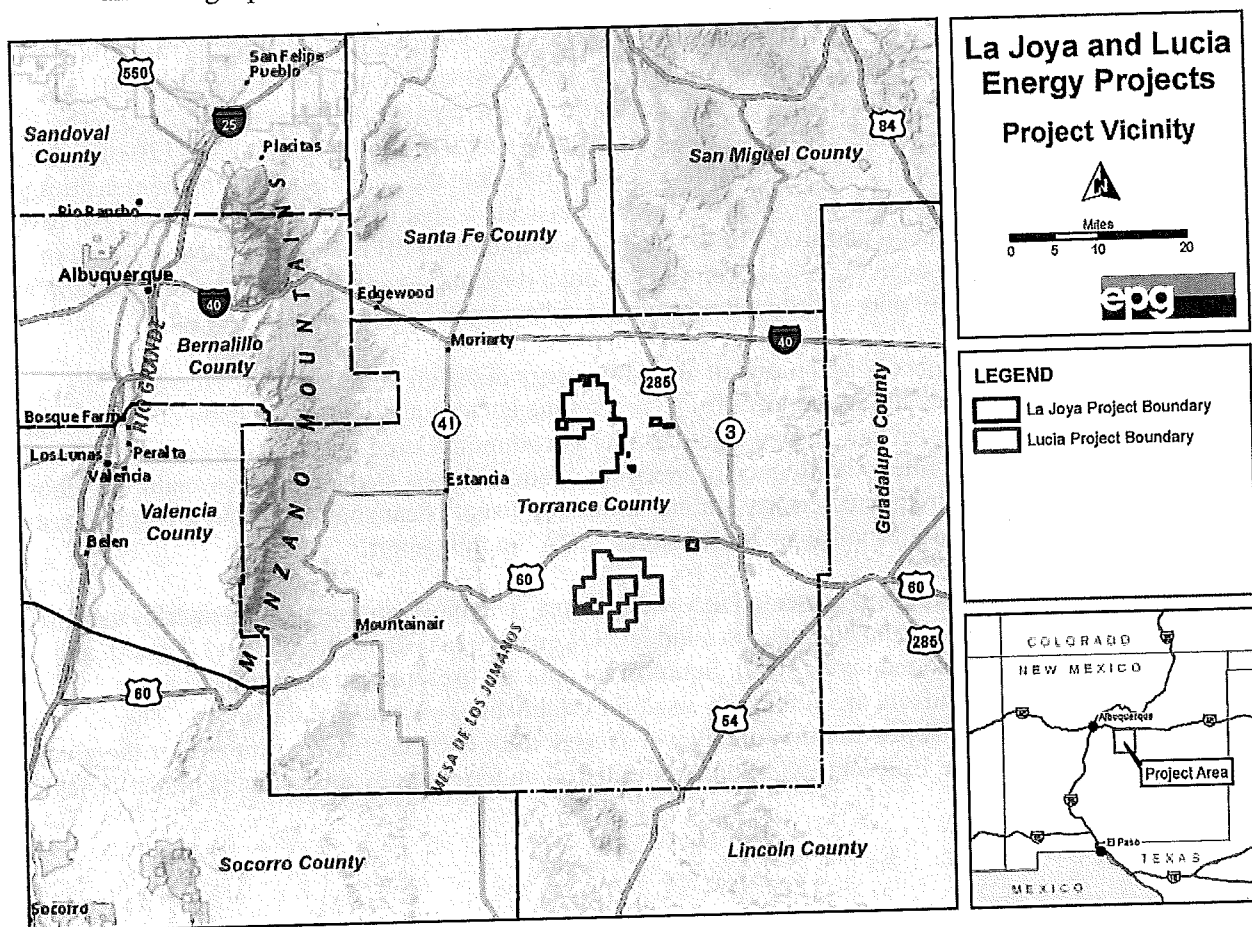


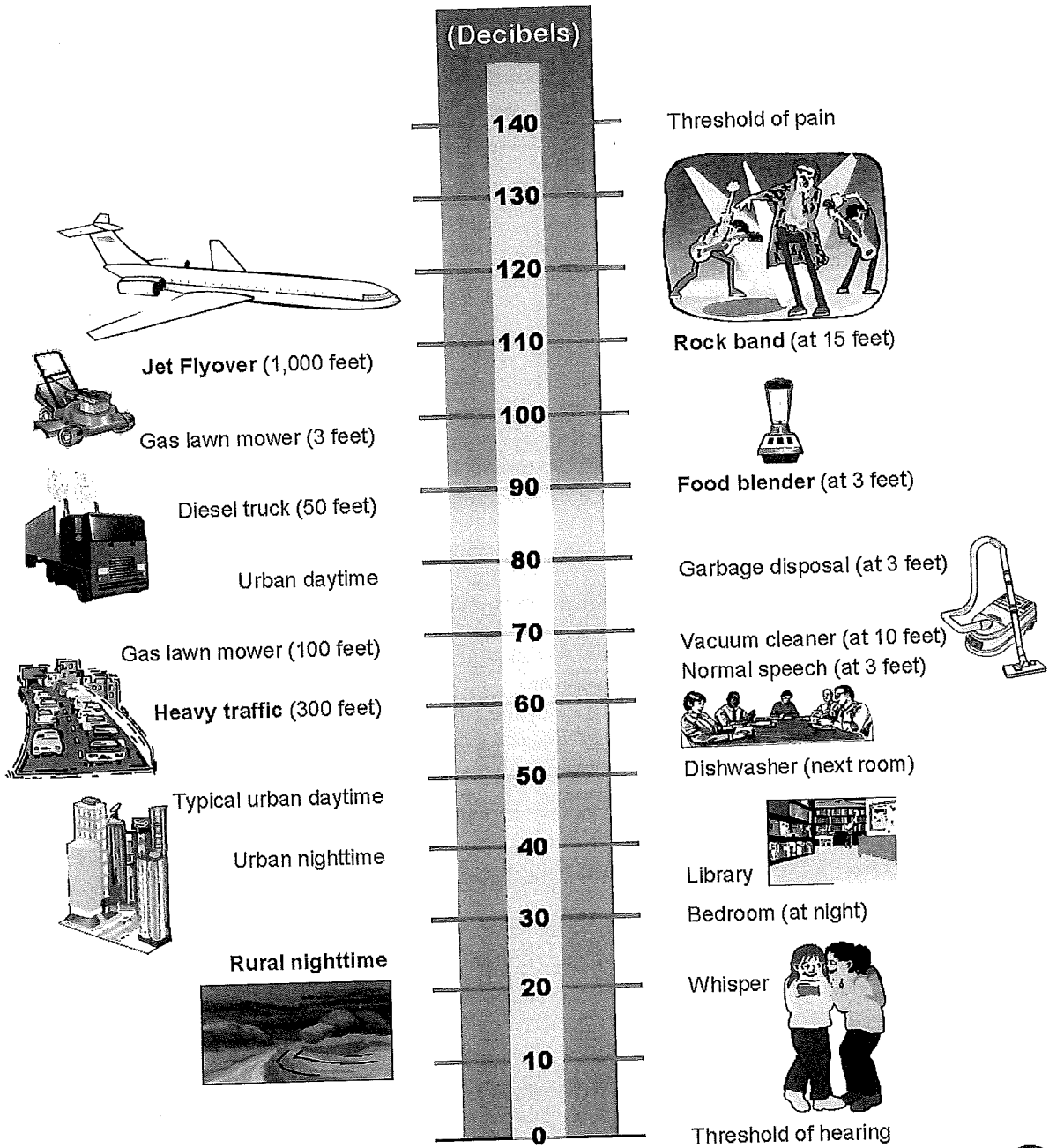
Figure 1 Project Vicinity Map

Both facilities would have supporting components, including access roads, aboveground and belowground electrical collector systems, permanent meteorological towers, operations and maintenance buildings, and step-up/collection substations. At least a portion of the energy generated by the facilities would be transmitted to an interconnection with the Public Service Company of New Mexico system near Clines Corner using transmission infrastructure owned by Pacific Wind, LLC, and associated with the adjacent El Cabo Wind Project. If additional transmission capacity is necessary, Pacific Wind, LLC, would consider interconnection into one of the planned transmission lines located near the Project Area or

**Common Outdoor Noises**

**Sound Level**

**Common Indoor Noises**



Note: Sound is perceived differently by every individual



**Figure 2 Common Indoor and Outdoor Noise Levels**

pipelines. The FERC limits specifically address compressor facilities associated with pipelines under its jurisdiction and limits the noise to 55 dBA day-night level in noise-sensitive areas (FERC 2002). This equates to a continuous level of 49 dBA, 55 dBA during daytime hours (7 AM to 10 PM), and 45 dBA during nighttime hours (10 PM to 7 AM).

## 2.2 Local Guidelines

There are no existing state noise regulations pertaining to wind energy facilities. The Torrance County Zoning Ordinance states the following requirements for wind energy facilities: “Audible noise due to wind energy facility operations shall not exceed fifty (50) dBA for any period of time, when measured at any occupied residence, school, hospital, church or public library existing on the date of approval of the wind energy facility” (Board of County Commissioners of Torrance County 2016).

## 3.0 Existing Conditions

Torrance County would generally be characterized as a rural agricultural land use area, and existing ambient sound levels are expected to be relatively low, although sound levels may be sporadically elevated in localized areas due to roadway noise or periods of human activity. Principal contributors to the existing acoustic environment likely include motor vehicle traffic; farming equipment; farming activities, such as plowing and irrigation; all-terrain vehicles; local roadways; periodic aircraft flyovers; and natural sounds, such as birds, insects, and leaf or vegetation rustle during elevated wind conditions in areas with established trees or crops. Typical baseline noise levels in the Project Area likely range from approximately 38 average day-night levels measured in A-weighted decibels (dBA) to 48 dBA (Environmental Protection Agency 1974). Potential noise receptors in the vicinity of the Project Area are limited to scattered rural residences. Figure 3 shows the location of all known occupied residences (receptors), proposed wind turbines, and solar panel locations.

## 4.0 Wind Turbine Data and Methodology

Standard acoustical engineering methods were used in this acoustic assessment. The sound propagation factors used in this analysis have been adopted from the International Organization for Standardization 9613-2, *Acoustics— Sound Attenuation During Propagation Outdoors, Part 2: General Method of Calculation* (ISO 1993) and Verein Deutscher Ingenieure 2714, *Outdoor Sound Propagation* (Verein Deutscher Ingenieure 1988). Atmospheric absorption for conditions of 10°C and 70 percent relative humidity (conditions that favor propagation) was computed in accordance with ISO 9613-1, *Acoustics— Sound Attenuation During Propagation Outdoors, Part 1: Calculation of the Absorption of Sound by the Atmosphere* (ISO 1993). Each Gamesa G114-2.5 MW wind turbine was conservatively considered to have an overall sound power level of 106.6 dBA. This overall sound power level represents the maximum turbine noise level determined in accordance with International Electrotechnical Commission (IEC) 61400-11, *Wind Turbine Generator Systems—Part 11: Acoustic Noise Measurement Techniques* (IEC 2006) and includes a +2 dBA adjustment to account for typical vendor warranty, uncertainty, or declared sound power levels. The majority of turbines are expected to operate at their expected value while a more limited number may operate above or below this expected value. Although it is statistically unlikely that all the turbines would simultaneously operate at the maximum 106.6 dBA, the +2 dBA adjustment was included in the calculations as a conservative measure.

Inherent in the ISO 9613 and IEC61400-11 standards are downwind conditions (i.e., the turbine sound power levels and calculation methods are representative of when the wind is blowing from the turbine to the receptor). In fact, the ISO 9613 calculation method unrealistically assumes that the downwind conditions exist in all directions, between each turbine and each receptor simultaneously. While this is



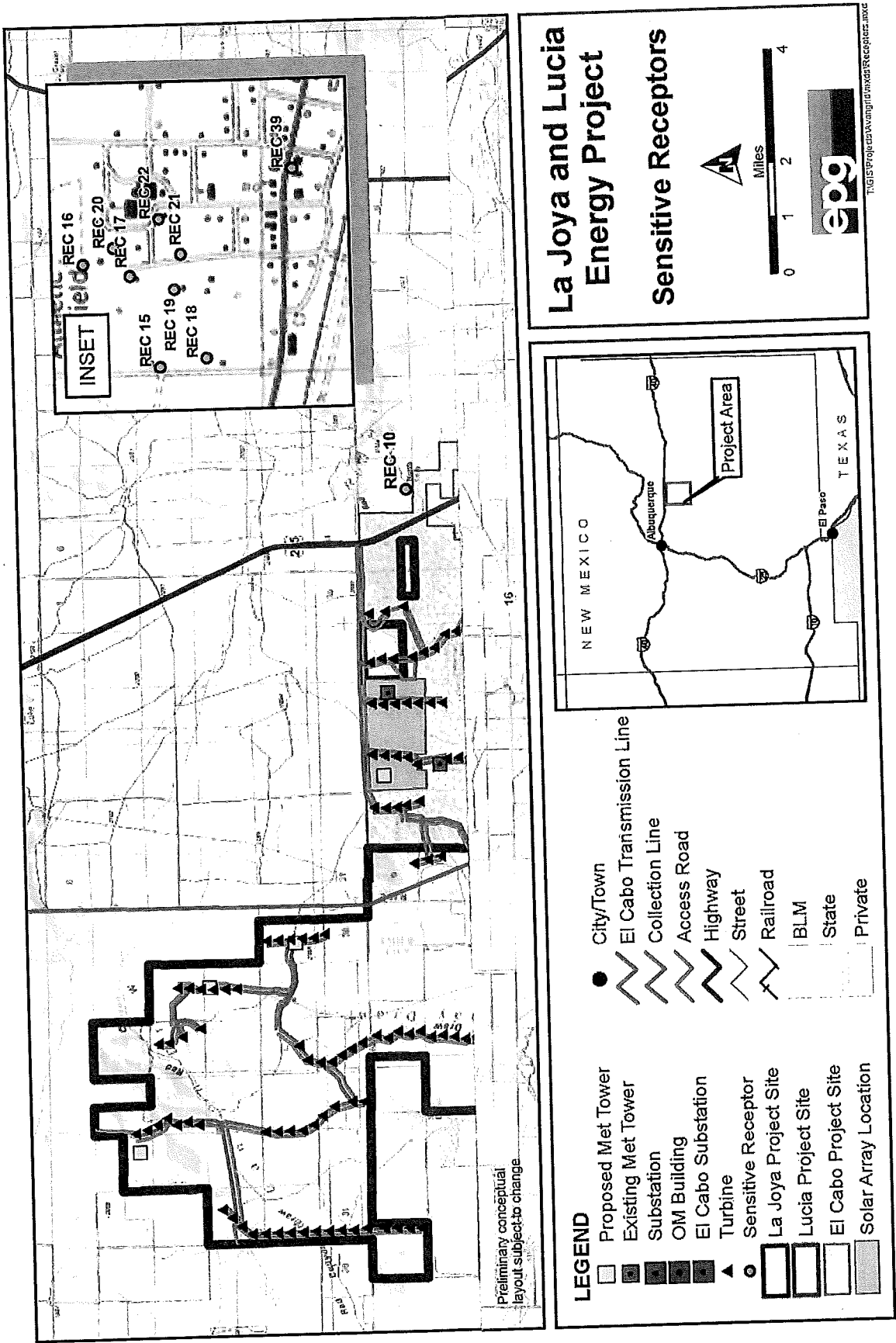


Figure 3 Locations of Sensitive Receptors

Receiver ID (Rec #)	Sound Level (dBA)	Receiver ID (Rec #)	Sound Level (dBA)
Rec 1	38	Rec 22	38
Rec 2	38	Rec 23	38
Rec 3	43	Rec 24	38
Rec 4	43	Rec 25	43
Rec 5	38	Rec 26	38
Rec 6	38	Rec 27	38
Rec 7	33	Rec 28	38
Rec 8	38	Rec 29	38
Rec 9	38	Rec 30	38
Rec 10	38	Rec 31	41
Rec 11	38	Rec 32	38
Rec 12	38	Rec 33	38
Rec 13	38	Rec 34	38
Rec 14	38	Rec 35	38
Rec 15	38	Rec 36	38
Rec 16	38	Rec 37	38
Rec 17	38	Rec 38	47
Rec 18	38	Rec 39	38
Rec 19	38	Rec 40	29
Rec 20	38	Rec 41	45
Rec 21	38		

## 5.2 Construction Noise

The construction of the Project may cause short-term noise impacts. The sound levels resulting from construction activities vary significantly depending on factors such as the type and age of equipment, the specific equipment manufacturer and model, the operations being performed, and the overall condition of the equipment and exhaust system mufflers. There are no noise standards applicable to construction in Torrance County. All reasonable efforts will be made to minimize the impact of noise resulting from construction activities. Once the Project has been built, no noticeable noise impacts are anticipated from regular maintenance.

## 5.3 Conclusions

Sources of operational noise activities of the solar power energy-generating facility include on-site maintenance and security vehicle operation, as well as general operation of the facility, including the on-site substation, inverters, and tracking system of the solar arrays. Limited amounts of intermittent maintenance vehicle traffic would occur on the site, which would not be expected to generate off-site noise impacts.

The inverters of the solar arrays would produce low noise levels during facility operations, which would occur primarily during daylight hours (from sunrise to sunset), when the solar arrays are generating electricity. Daytime noise generation from an inverter (manufacturer rated at 77 dBA at 5 feet) would attenuate to approximately 46 dBA Leq at 200 feet. Array tracker motors have a noise rating of 61 dBA at 5 feet, which attenuates to approximately 30 dBA at 200 feet. The transformers of the substation would produce low levels of noise during facility operations. Transformers at the on-site substations would have cooling fans that operate during daytime hours. Daytime noise generation from the on-site substations

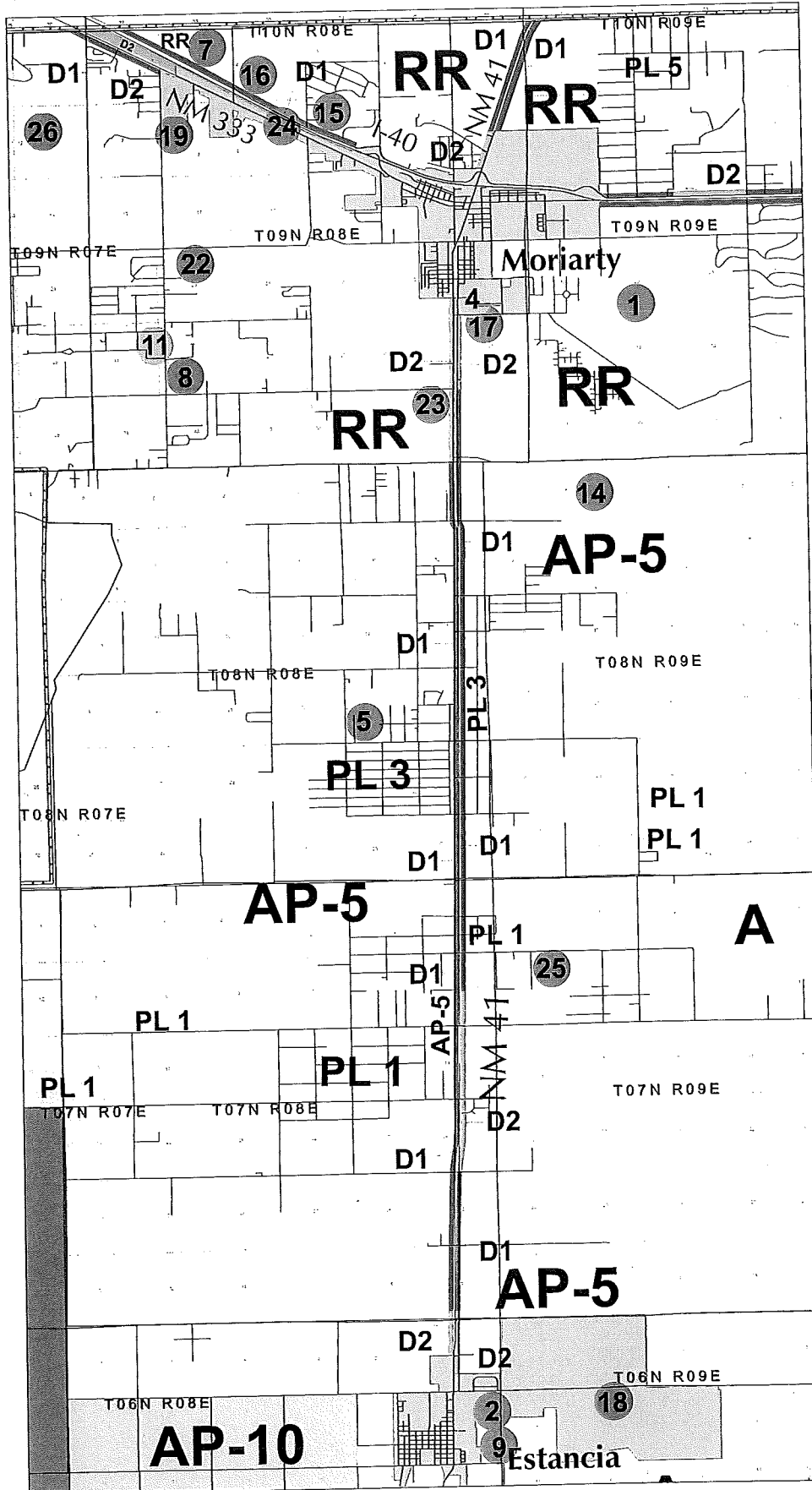
## 6.0 References

- Board of County Commissioners of Torrance County SPR-223. 2016. *Torrance County Zoning Ordinance*. Torrance County, New Mexico. May 2016.
- Ericsson-Grant. 2011. *Centinela Solar Energy Project Noise Assessment*. Imperial County, California. September 2011.
- International Electrotechnical Commission. 61400-11. 2006. *Wind Turbine Generator Systems—Part 11: Acoustic Noise Measurement Techniques – Amendment 1*. Geneva, Switzerland.
- International Organization for Standardization. 1993. *Acoustics—Sound Attenuation During Propagation Outdoors*. Part 1: Calculation of the Absorption of Sound by the Atmosphere, 1993. Part 2: General Method of Calculation. 9613. Switzerland.
- United States Environmental Protection Agency (EPA). 1978. *Protective Noise Levels*. Condensed Version of EPA Levels Document. Publication EPA-550/9-79-100, November.
- \_\_\_\_\_. 1974. Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety. EPA/ONAC 550/9-74-004, March 1974.
- Verein Deutscher Ingenieure. 1988. *Outdoor Sound Propagation*. Verein Deutscher Ingenieure 2714, Verlag GmbH, Dusseldorf, Beuth Verlag, Berlin, Köln, Germany.
- Wistaria Ranch Solar. 2014. *Wistaria Ranch Solar Energy Center Project*. Imperial County, California. April 2014.

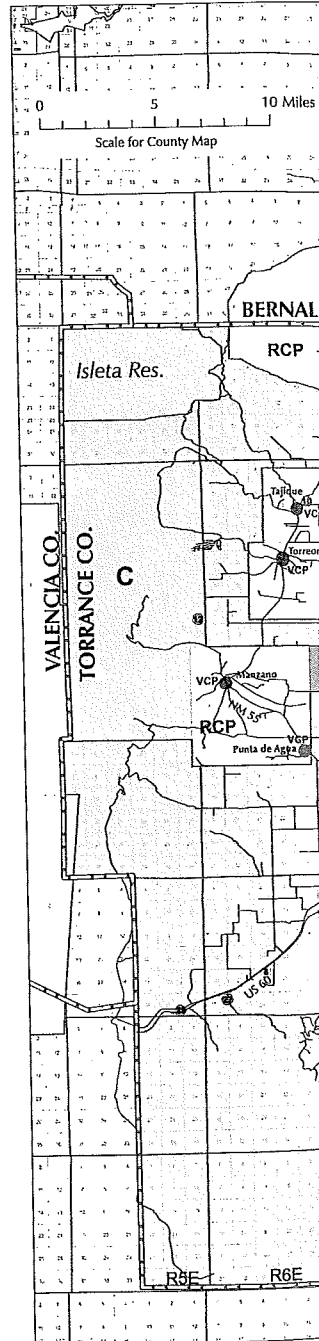
# Torrance County Zone Map

Draft 10/13/2009

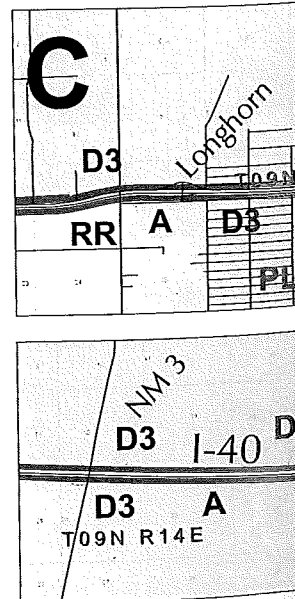
Inset for NM 41 Corridor

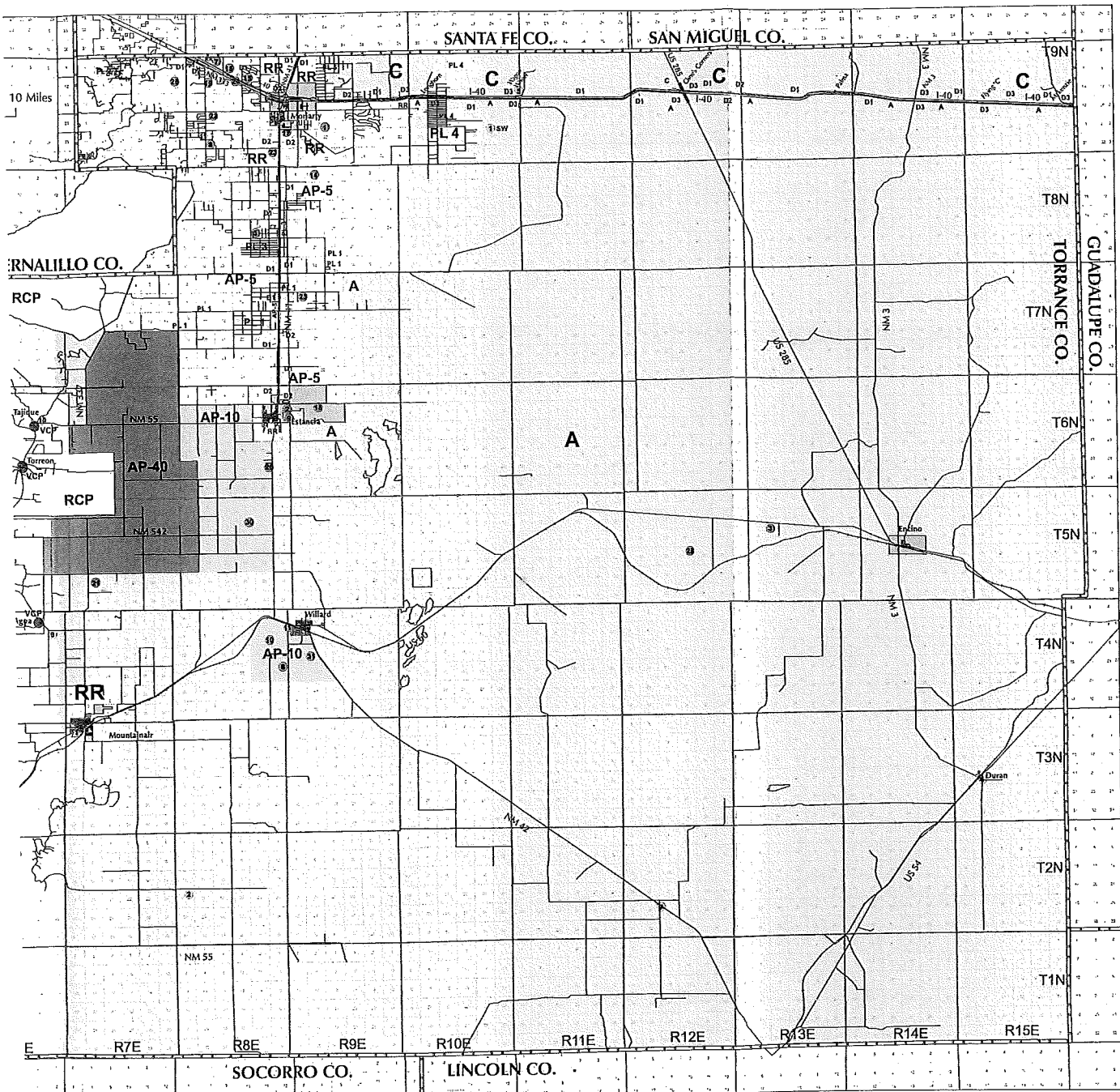


## County Map

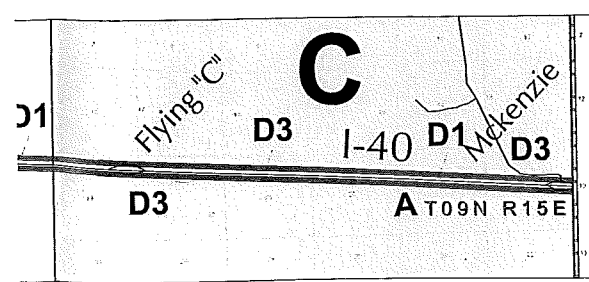
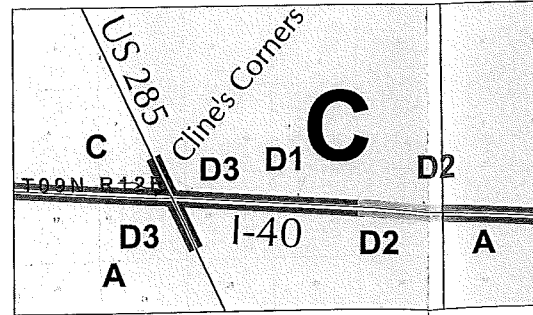
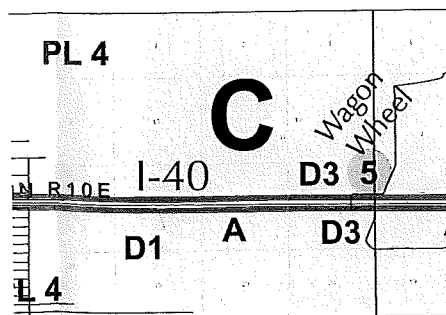


Insets for I-40 Corridor





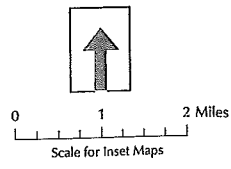
dor



**County Zoning Districts**

- D1 MINOR DEVELOPMENT
- D2 MAJOR DEVELOPMENT
- D3 MAJOR DEVELOPMENT
- RR RURAL RESIDENTIAL
- A AGRICULTURAL (40 ACRE MINIMUM)
- AP-5 AGRICULTURAL PRESERVATION (5 ACRE MINIMUM)
- AP-10 AGRICULTURAL PRESERVATION (10 ACRE MINIMUM)
- AP-40 AGRICULTURAL PRESERVATION (40 ACRE MINIMUM)
- PL PREPLATTED LANDS
- C CONSERVATION (40 ACRE MINIMUM)
- RCP RURAL COMMUNITY PRESERVATION DISTRICT
- VCP VILLAGE COMMUNITY PRESERVATION
- SU SPECIAL USE (NUMBERED)
- SOLID WASTE MANAGEMENT DISTRICT (NUMBERED)
- INCORPORATED MUNICIPALITY
- Municipal Limits
- County Boundary

Note: D1, D2, and D3 are districts with 350 foot setbacks from the highway right-of-way boundary.



**VISUAL RESOURCE ASSESSMENT  
FOR THE LA JOYA AND LUCIA ENERGY PROJECT  
TORRANCE COUNTY, NEW MEXICO**

Prepared for

**Avangrid Renewables**

Prepared by

**Environmental Planning Group, LLC**

650 NE Holladay Street, 16th Floor  
Portland, Oregon 97232

**February 2017**

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3.0	Visual Setting.....	6
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## List of Attachments

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Appendix A – Visual Simulations	
Simulation from KOP #1	
Simulation from KOP #2	
Simulation from KOP #3	
Simulation from KOP #4	



## 1.0 Introduction

This report provides an assessment of visual resources for the proposed construction and operation of the La Joya and Lucia Energy Project (Project), located in central New Mexico, within the north-central portion of Torrance County. The Project comprises two separate energy project sites: the La Joya facility (La Joya) and the Lucia facility (Lucia), which are proposed to be located approximately 18 miles east of Estancia, New Mexico, and 17 miles east of Willard, New Mexico, respectively. La Joya is proposed to be located north of United States (US) Highway 60 while Lucia is located south of US 60. Both proposed facility sites are located on lands managed by the New Mexico State Land Office and privately owned lands and together would generate up to 800 megawatts of electricity (Figure 1).

The proposed Project consists of two electrical energy generating facilities located in two distinct areas, which collectively will be referred to as the Project Area:

- La Joya—a 42,400-acre area north of US 60 consisting of up to 201 wind turbines and a single photovoltaic solar array; and
- Lucia—a 28,750-acre area south of US 60 consisting of up to 200 wind turbines and a single photovoltaic solar array.

Both facilities would have supporting components, including access roads, aboveground and belowground electrical collector systems, permanent meteorological towers, operations and maintenance buildings, and step-up/collection substations. At least a portion of the energy generated by the facilities would be transmitted to an interconnection with the Public Service Company of New Mexico system near Clines Corner using transmission infrastructure owned by the Applicant and associated with the adjacent El Cabo Wind Project.

This assessment is focused on potential impacts to viewers within the vicinity of the Project site and includes discussion of the methodologies used, the general visual setting, impacts to sensitive viewers, and a discussion of compliance with county regulations. Figure 1 provides pertinent information for this analysis.

## 2.0 Methodology

Visual resource data for this assessment were developed based on research, available geographic information system data, aerial photography, and on-site field verification and photo documentation. These data were used to develop a comprehensive understanding of the existing landscape and associated visual resources. Based on the large scale of the Project, and in order to include populated areas within the vicinity of the Project, the visual resource study area was defined as a 15-mile buffer surrounding the Project. Three types of methods were used in evaluating visual resources for the Project, including a viewshed analysis, visual simulations, and an assessment of impacts to viewers.

### 2.1 Viewshed Analysis

A viewshed, or visibility analysis was completed to determine which areas of the surrounding landscape would have views of the Project components. This analysis was performed based on a 10-meter digital elevation model of the topography within the study area. The digital elevation models do not specifically account for vegetation or built features within the analysis area, and are therefore a conservative approach to assessing project visibility. The viewshed analysis for this project was based on the heights and locations of each of the planned turbines, and was run to a distance of 15 miles from each turbine in order

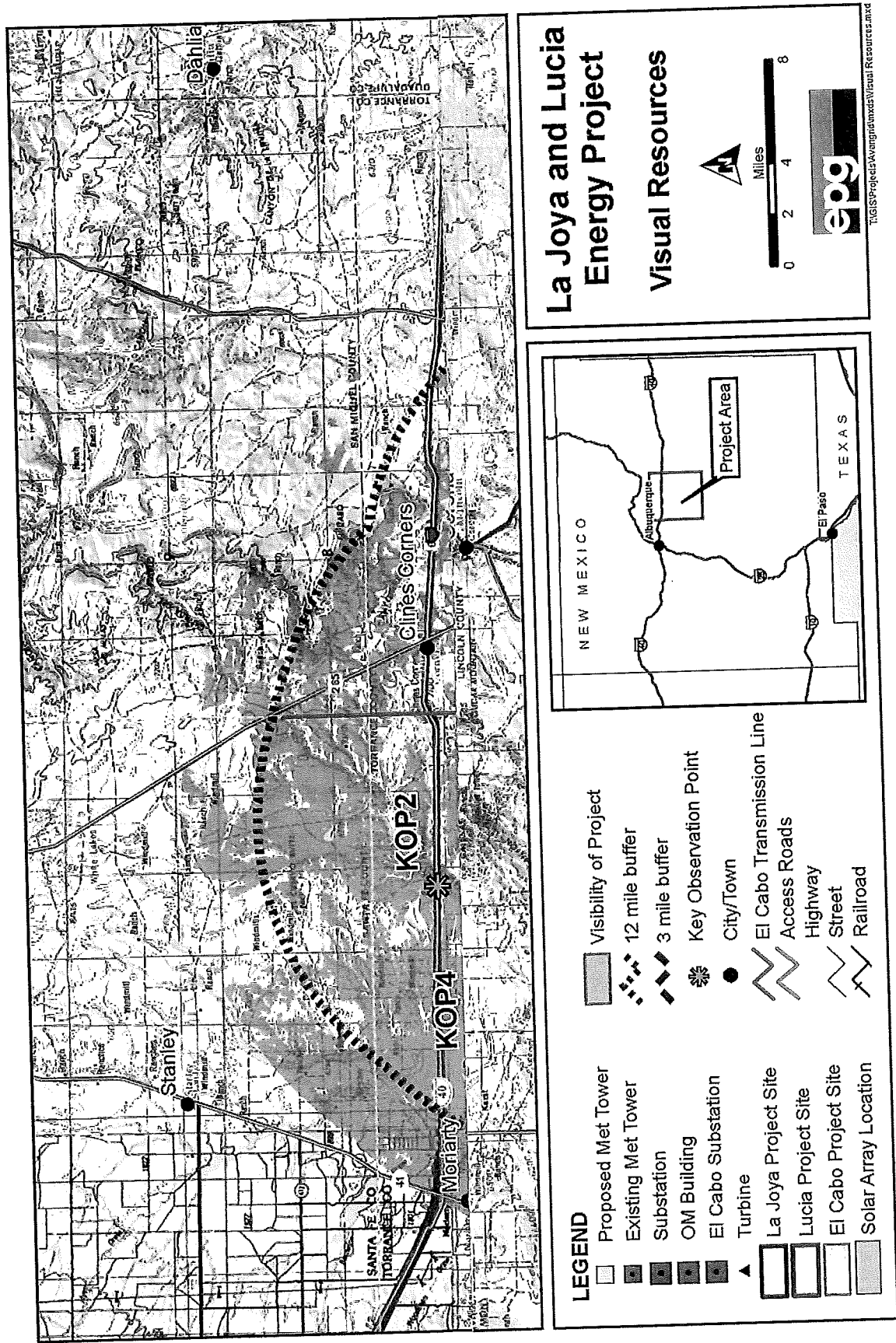


Figure 1 La Joya and Lucia Energy Project Visual Resources

The analysis includes both general discussion of impacts to viewers, as well as discussion of impacts from four specific sensitive viewing points that were selected from coordinated with the Torrance County Planning and Zoning Department. These points were chosen to represent a variety of viewer types in the vicinity of the Project site and were located to represent key sensitive viewers located in those areas. Photographs were taken at each of the viewing points in December 2016. These specific viewing locations are referred to as “key observation points” (KOPs) within the analysis and include the following points:

- KOP 1 (State Route 41/Estancia Residences/Salt Mission Trails Scenic Byway)—This KOP is located to the west of the Project sites on the north end of the town of Estancia along State Route 41. Views from this KOP represent rural residential views in the area, travel route views from State Route 41, and recreational views from State Route 41 based on its distinction as part of the Salt Missions Trail Scenic Byway. This KOP is located approximately 12.6 miles from the La Joya boundary and approximately 12.8 miles from the nearest planned wind turbine.
- KOP 2 (I-40/Route 66 National Scenic Byway)—This KOP is located to the north of the Project sites, along I-40 just west of the Wagon Wheel interchange (Exit 208). Views from this KOP represent travel route views from the highway, in addition to recreational views from the highway’s designation as the Route 66 National Scenic Byway. This KOP is located approximately 5 miles from the La Joya boundary and approximately 5.7 miles from the nearest planned wind turbine.
- KOP 3 (US Highway 60/Residence). This KOP is located to the east of the Project sites, along US Highway 60 and near a rural residence. Views from this KOP represent the US Highway 60 travel route, as well as residential views from a nearby residence. The KOP is approximately 1.3 miles from the Lucia boundary and approximately 2.3 miles from the nearest planned wind turbine.
- KOP 4 (Moriarty Heights Residences). This KOP is located to the northwest of the Project sites, near a rural residence on Palomino Drive. The KOP is near the edge of the residential development in the Moriarty Heights area and, therefore, represents general residential views from northwest of the Project sites, where the majority of residences are located in the Project vicinity. From this point, the La Joya site is approximately 9.0 miles from this KOP, and the nearest planned wind turbine is approximately 9.7 miles.

In order to illustrate the Project’s visual characteristics from the four KOPs, visual simulations were completed from each location (Attachment A). These simulations are based on available Project and site data using 3-D modeling software to present a realistic depiction of future conditions.

The analysis provides a determination of impact from each KOP. The impact thresholds for this assessment are categorized as follows:

- **High:** Project features would result in a strong degree of contrast and would appear as a dominant feature within the existing landscape.
- **Moderate:** Project features would result in a moderate degree of contrast and would appear as co-dominant features within the existing landscape.
- **Low:** Project features would result in a weak degree of contrast and would be subordinate to the features of the existing landscape.

## 4.2 Visual Simulations

Visual simulations were completed for each of the four KOPs, and are provided in Attachment A. The Project features are visible in each of the simulations, but are relatively difficult to see for KOPs 1, 2, and 4 based on the distances from the Project features and viewing conditions. Each of the simulations includes a brief description of the simulated condition. These descriptions provide the reader with an indication of where the Project components appear within the photo, as well as which project components would be visible (i.e. La Joya, Lucia, and/or el Cabo). The results of the simulations were taken into consideration in assessing the impacts to viewers.

## 4.3 Assessment of Impacts to Viewers

Features of the Project that could be visible include wind turbines, solar arrays, O&M buildings, substations, and access roads. The assessment of impacts to viewers is provided below and is subdivided based on view types within the study area (e.g. residential views, views from travel routes, and views from recreationists). Each of these viewer groups is briefly discussed below, along with their associated KOPs.

### 4.3.1 Residences

Residential viewers are likely to have relatively high sensitivities to visual impacts and experience longer durations of view than other user types. Residences are sparsely present throughout the study area but are most concentrated northwest of the Project sites, near the city of Moriarty. Other concentrations of residences are found within the communities of McIntosh, Estancia, and Willard to the west of the Project sites and Encino to the east. These residences would have mostly unobstructed views of the Project across the open landscape and could see the proposed turbines. Several residences are located within 0 to 3 miles of the Project sites and would experience the highest degree of those within the study area. Levels of impact would diminish over distance and during daylight hours would not generally attract the attention of residential viewers located 12 miles or more from the Project sites. Although not all of the turbines would include lighting, the red blinking lights on top of some turbines could attract attention at greater distances during nighttime hours.

KOPs 1, 3, and 4 each represent views from residences. Views from KOP 1 are generally open and panoramic but include existing buildings/structures, residences, and trees that partially obstruct views toward the Project sites. Other features also visible from this location include light poles, wood pole distribution lines, paved roads and road signage. The wind turbines of the El Cabo Project will also be visible from this KOP, albeit at a distance of approximately 21 miles. Based on the viewing distance, approximately 12.8 miles, and partially obstructed views of the Project features, the contrast from KOP 1 is expected to be weak, with Project features subordinate to the features of the existing landscape resulting in a low impact on these views.

Views from KOP 3 are open and panoramic and include few existing built features. Distant views of clustered residential/ranching facilities are visible, in addition to wood pole distribution lines, fence lines, and paved roads. The wind turbines of the El Cabo Project will also be visible from this KOP from a distance of approximately 3.2 miles. Views of the Project features would be mostly unobstructed and from a close distance of approximately 1.3 miles. Based on the nearby visibility of the El Cabo turbines, the contrast expected from this point would be moderate. The Project features would appear as co-dominant features within the existing landscape, resulting in a moderate impact on these views.

The views from KOP 4 are also open and panoramic and include clustered built features associated with rural residences. From this location, views of the Project features would be mostly unobstructed and from

associated with the Project is expected to be moderate, with Project features that would appear as co-dominant features within the existing landscape, which would result in moderate impacts on these views.

#### **4.3.3 Recreation**

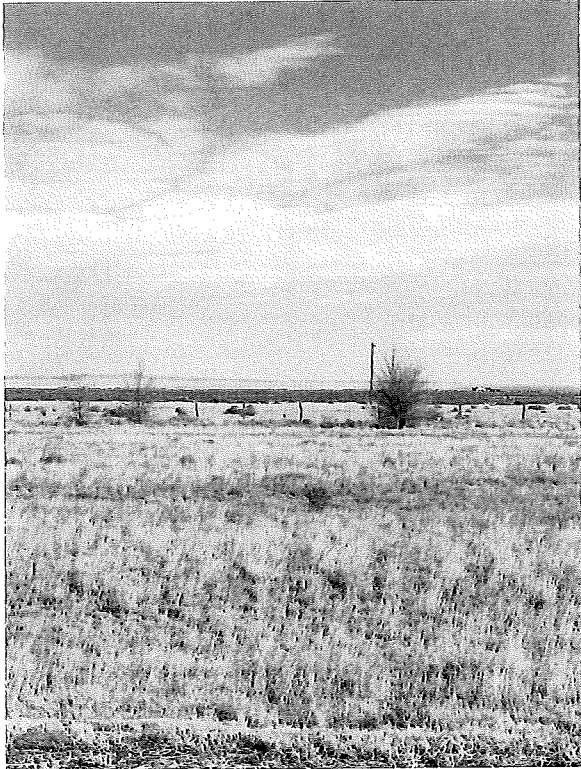
Views from recreational users in this area are primarily expected to be associated with those traveling the Salt Missions Trail Scenic Byway (aligned with KOP 1/State Route 41) and Route 66 National Scenic Byway (aligned with KOP 2/I-40). Recreational users are more likely to be noticing and appreciating the visual resources surrounding them and are more likely to have an increased sensitivity to potential visual changes. Levels of impact would diminish over distance and during daylight hours and would not generally attract the attention of recreational viewers located 12 miles or more from the Project sites. The red blinking lights on top of the towers could attract attention at greater distances and would likely attract attention to a greater degree during nighttime hours. Overall, the visual impacts to viewers using these two recreational travel routes would be the same as those described for KOP 1/State Route 41 and KOP 2/I-40 described in Section 4.3.2, which would result in low and moderate impacts, respectively.

### **5.0 Compliance with Torrance County Zoning Ordinance**

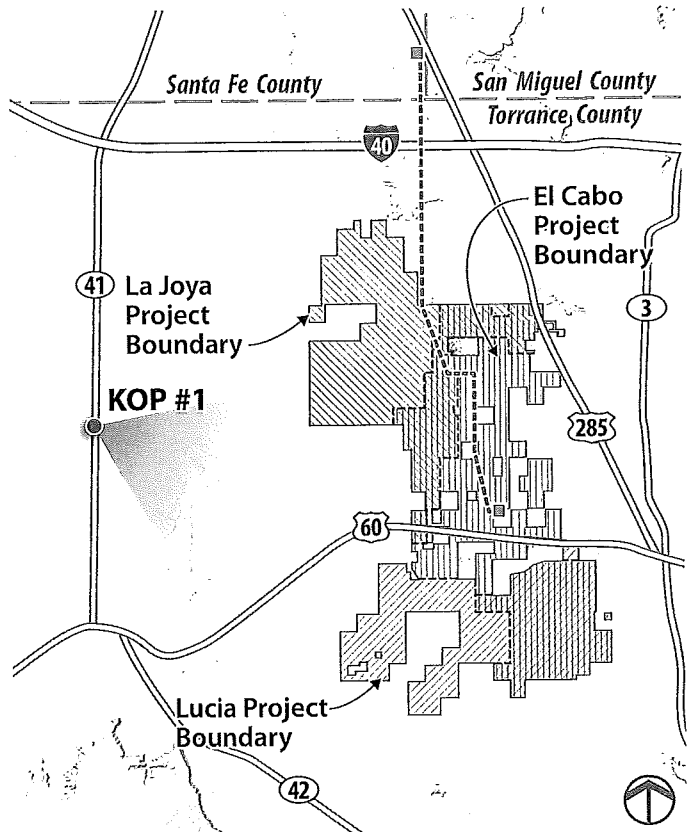
The Torrance County Zoning Ordinance discourages construction of turbines “at any location that would substantially detract from or block the view of the major portion of a recognized scenic vista, as viewed from any public road right-of-way or publicly accessible parkland or open space within the County.” Based on coordination with the Torrance County Planning Department, the views from the Salt Missions Trail Scenic Byway are considered to be a recognized scenic vista for the county. As mentioned in Section 4.3.2 (aligned with KOP 1/State Route 41), the contrast from this viewing alignment is expected to be weak, with Project features that would be subordinate to the features of the existing landscape, which would result in low impacts. The wind turbine facilities of the Project are, therefore, not expected to substantially detract from or block views of recognized scenic vistas, and the Project would comply with the Torrance County Zoning Ordinance.

**Attachment A**  
**Visual Simulations**

---



**Existing Condition** View looking east

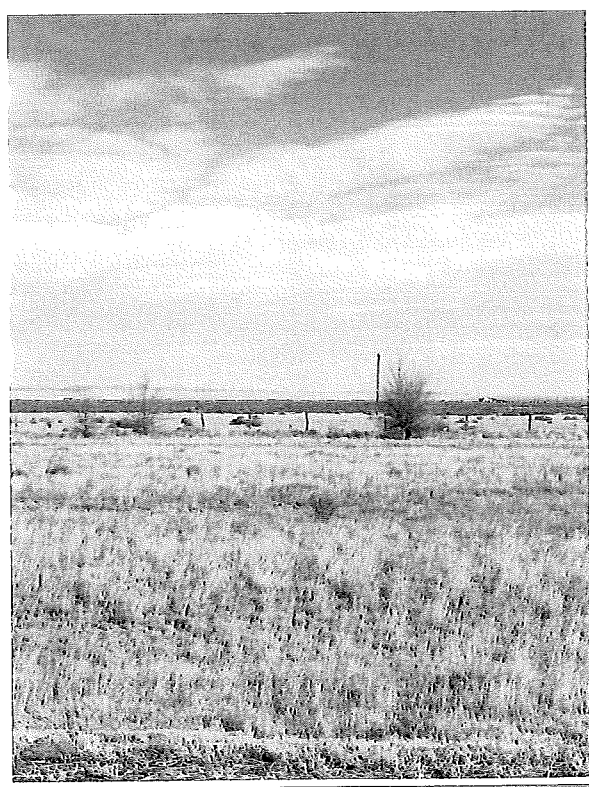
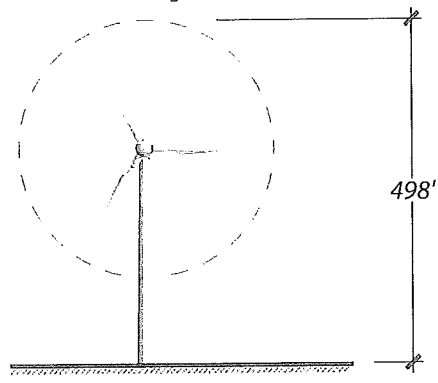


**Viewing Location** © 2017 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Photo Date and Time: December 21, 2016, 2:43 p.m.

Focal Length: 50mm (The original photographs were taken at 50mm, then stitched together to create this panorama, resulting in an approximately 72-degree field of view)

Typical Turbine Structure Diagram:



**Simulated Condition** View of La Joya, Lucia quarter of photo; L

# La Joya and Lucia Energy Project

Simulation from KOP #1

January 2017

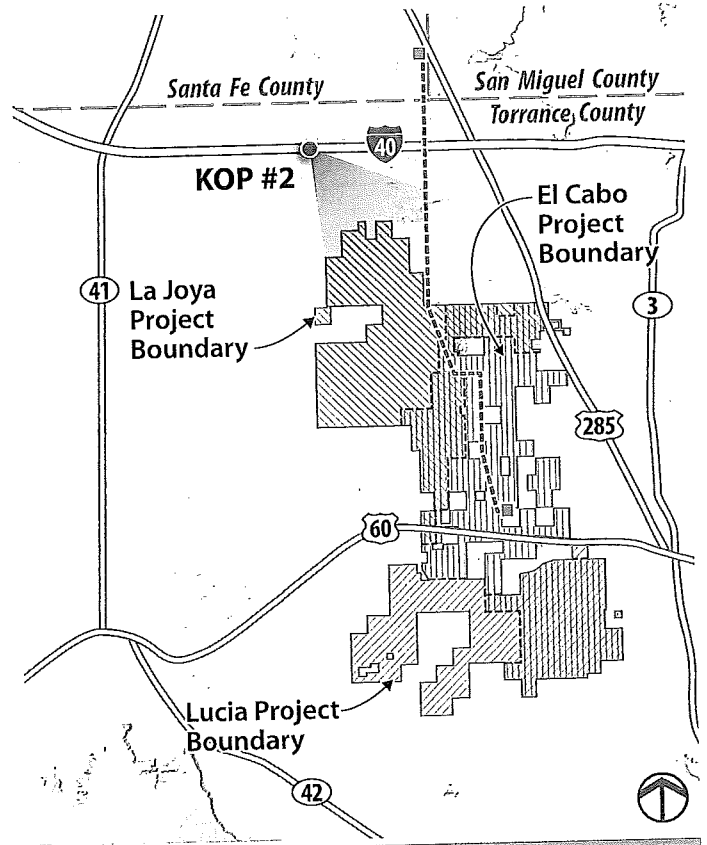
This simulation and structure diagram are for illustrative purposes only





**Existing Condition**

View looking so



**Viewing Location**

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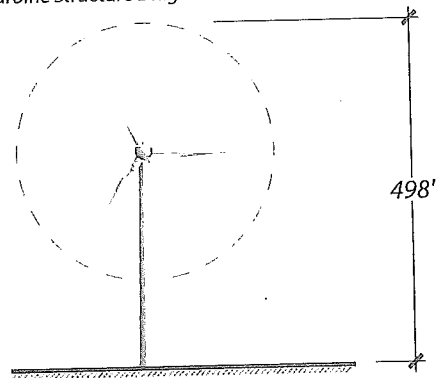
**Simulated Condition**

View of La Joya and third of photo; othe

Photo Date and Time: December 20, 2016, 3:24 p.m.

Focal Length: 50mm (The original photographs were taken at 50mm, then stitched together to create this panorama, resulting in an approximately 60-degree field of view)

Typical Turbine Structure Diagram:

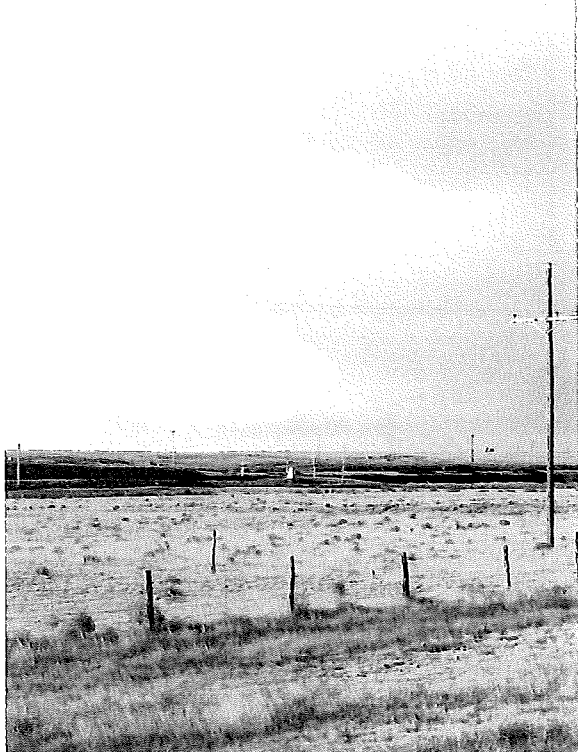


## La Joya and Lucia Energy Project

Simulation from KOP #2

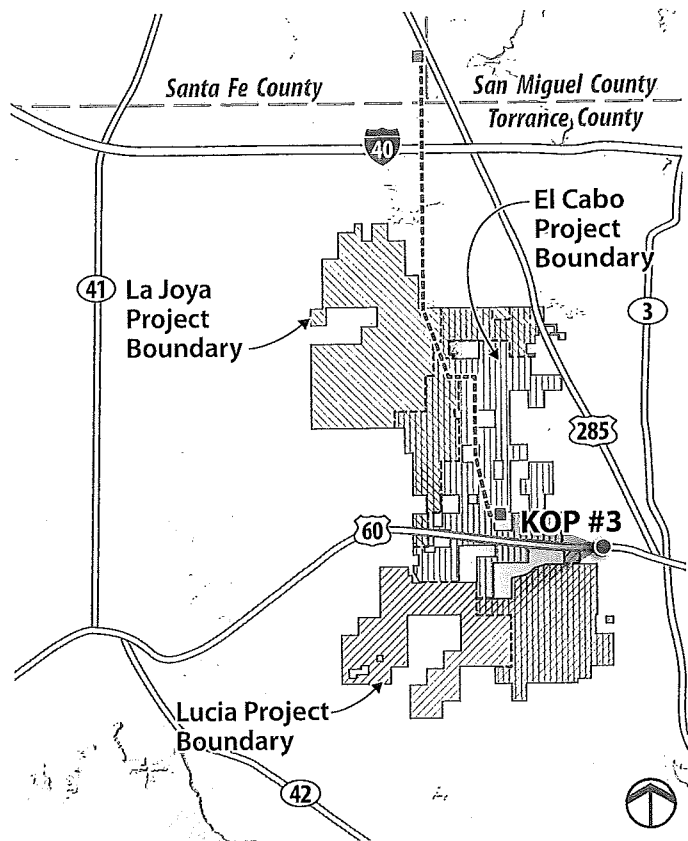
January 2017

This simulation and structure diagram are for illustrative purposes or



**Existing Condition**

View looking w



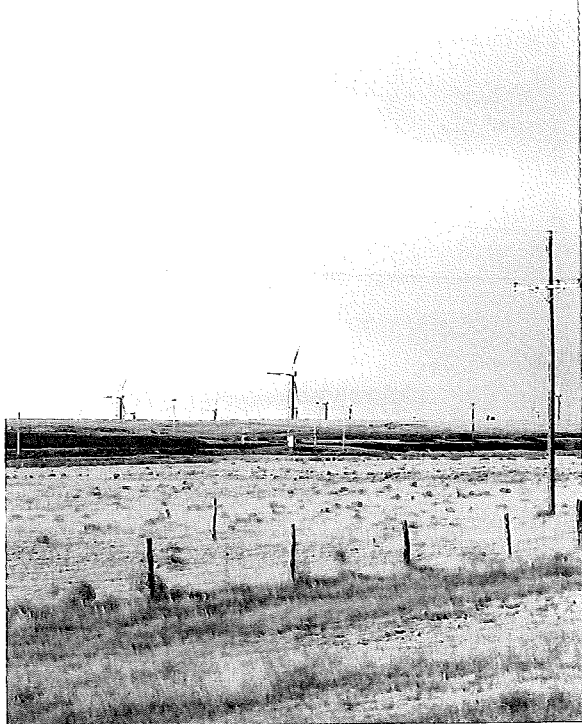
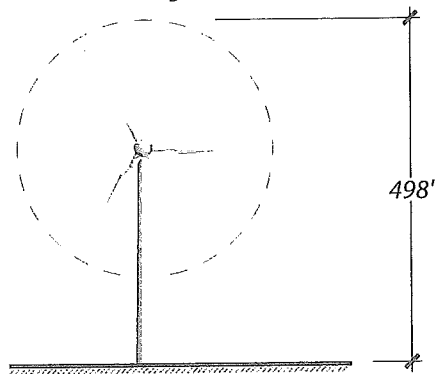
**Viewing Location**

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Photo Date and Time: December 21, 2016, 8:36 a.m.

Focal Length: 50mm (The original photographs were taken at 50mm, then stitched together to create this panorama, resulting in an approximately 53-degree field of view)

Typical Turbine Structure Diagram:



**Simulated Condition**

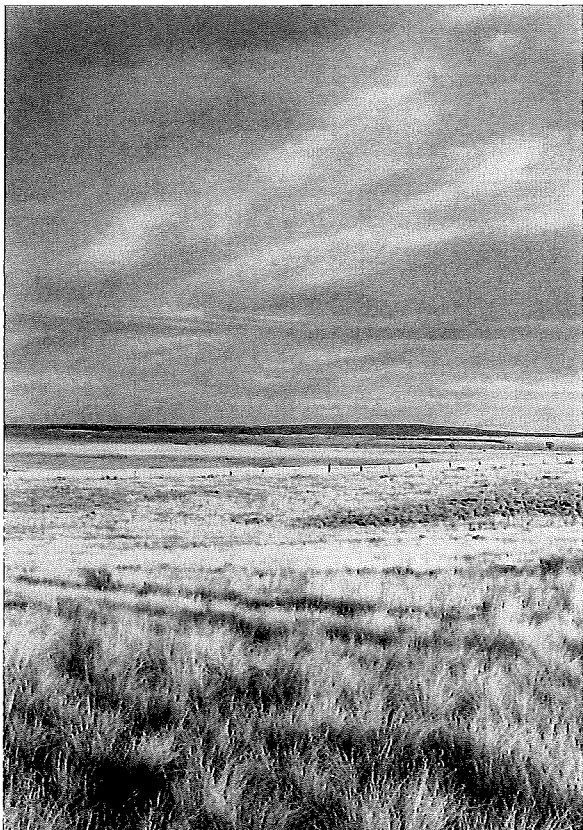
View of Lucia and p  
turbines visible in r

## La Joya and Lucia Energy Project

Simulation from KOP #3

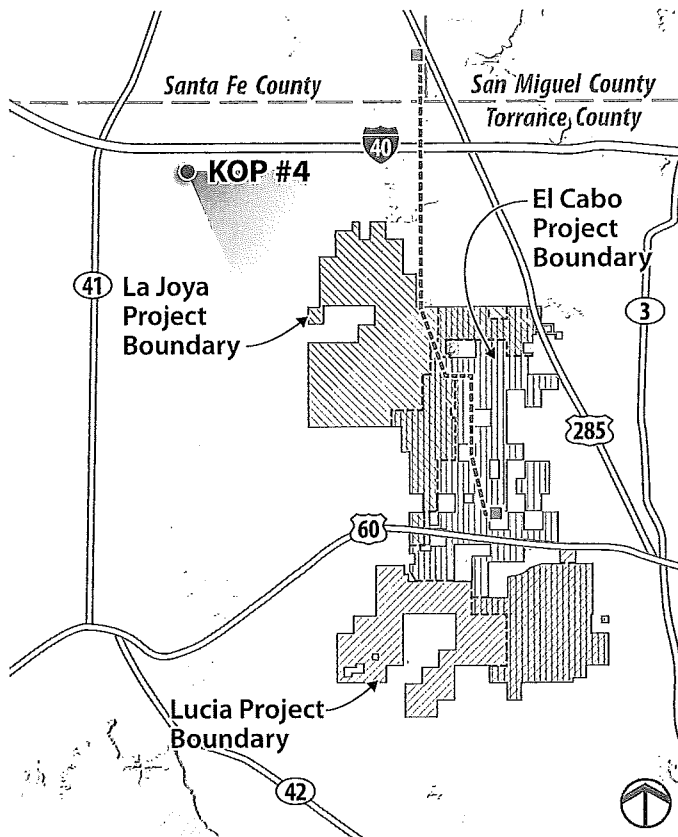
January 2017

This simulation and structure diagram are for illustrative purposes only.



**Existing Condition**

View looking so



**Viewing Location**

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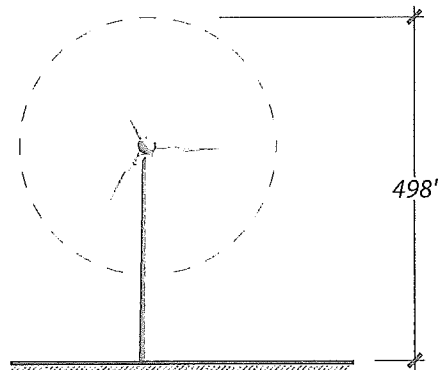
**Simulated Condition**

View of La Joya pro  
hidden behind rolli

Photo Date and Time: December 21, 2016, 4:14 p.m.

Focal Length: 50mm (The original photographs were taken at 50mm, then stitched together to create this panorama, resulting in an approximately 65-degree field of view)

Typical Turbine Structure Diagram:

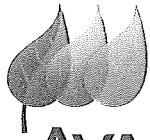


## La Joya and Lucia Energy Project

Simulation from KOP #4

January 2017

This simulation and structure diagram are for illustrative purposes or



# AVANGRID RENEWABLES

# fact

Avangrid Renewables is at the forefront of transforming the way the world produces and uses energy. Strongly positioned to develop, build, and operate the clean energy infrastructure of the future, Avangrid Renewables is already generating power from nearly 60 renewable energy projects in the United States and is helping lead America's transition to a renewable energy future.



**Avangrid Renewables, LLC** is a subsidiary of AVANGRID, Inc. (NYSE: AGR) and part of the Iberdrola Group. AVANGRID, Inc. is a diversified energy and utility company with \$30 billion in assets and operations in 25 states. Iberdrola, S. A. is an energy pioneer with the largest renewable asset base of any company in the world – more than 14,000 megawatts (MW) of renewable energy spread across a dozen countries. A company with a 150-year history, Iberdrola S.A. employs more than 28,000 people in nearly 40 countries and has placed the environment and sustainable development at the center of its global strategy. Avangrid Renewables is headquartered in Portland, Oregon, and has more than \$10 billion of operating assets in 19 U.S. states. Avangrid Renewables recently changed its name from Iberdrola Renewables, LLC, and is in the process of implementing a rebranding effort.

## Avangrid Renewables in the U.S.

Avangrid Renewables is the second-largest provider of clean, renewable wind power in the U.S. with more than 6,000 MW of owned and controlled wind and solar power facilities. We also build economic engines as each year we pay more than \$50 million in tax revenue to local communities across 19 states and millions more in royalties to farmers and ranchers.

We produce an economic windfall for numerous rural communities while providing clean, affordable power to our customers.

The company also operates 636 MW of natural gas-fired generation and a state-of-the-art 24-7 National Control Center, which acts as the nerve center of the company's generation portfolio, making it one of the few companies capable of providing structured energy solutions and allowing large industrial and commercial customers to manage risks and uncertainty in the natural gas and power industries.

## Leading the Clean Energy Economy

Avangrid Renewables is helping lead the transformation to a competitive, clean energy future. With every new, innovative, and customized project, Avangrid Renewables renews its industry-leading commitment to responsibly building the global clean energy economy. It isn't just about delivering clean electricity to power our customers' lives; it's about delivering the world a better energy future.

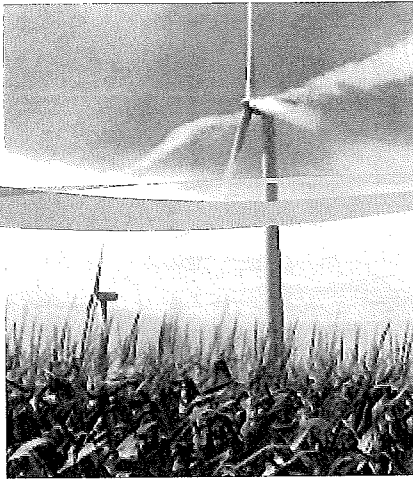
Learn more: [www.AvangridRen.com](http://www.AvangridRen.com)

[Facebook.com/AvangridRen](https://www.facebook.com/AvangridRen)

Twitter: [@AvangridRen](https://twitter.com/AvangridRen)



# Wind Energy Development



## Permitting

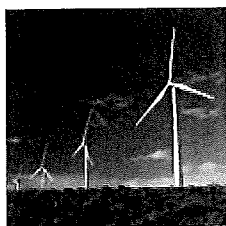
Iberdrola Renewables works with local, state, and federal government agencies to obtain the required permits for each project to make sure we comply with all requirements and regulations.

## Connecting to the Power Grid

Electricity generated at a commercial wind project must be moved onto the local power grid. A key component of project viability is a transmission study that determines how best to make that connection. In most cases, we work with the owners of the transmission facilities or system operators to perform engineering studies. We will then form agreements with the grid owners that allow the project to connect and transmit power to the grid.

## Capital

With project costs in the tens of millions of dollars, financing the development and construction of wind energy projects is a challenge for many developers. Having the financial strength of one of the largest electrical companies in the world provides Iberdrola Renewables financing advantages that other developers lack. Our financial strength allows us to competitively price our energy products and stand behind our projects for the long term.



## Constructing the Wind Facility

Iberdrola Renewables has in-house expertise to oversee and manage project construction. Construction involves activities such as roadwork, underground cabling, foundation pouring, and tower erection. After construction, surrounding property that may have been disturbed during construction is restored to its pre-construction land use.

## Leadership in Wind Energy

Iberdrola Renewables is a subsidiary of AVANGRID (NYSE: AGR) and the U.S. renewable energy division of parent company Iberdrola S.A., an energy pioneer with the largest renewable asset base of any company in the world – more than 14,000 megawatts (MW) of renewable energy spread across a dozen countries. Headquartered in Portland, Oregon, Iberdrola Renewables has more than 750 employees at the end of 2015, and more than \$10 billion of operating assets totaling more than 6,000 MW of owned and controlled wind and solar generation in the U.S.

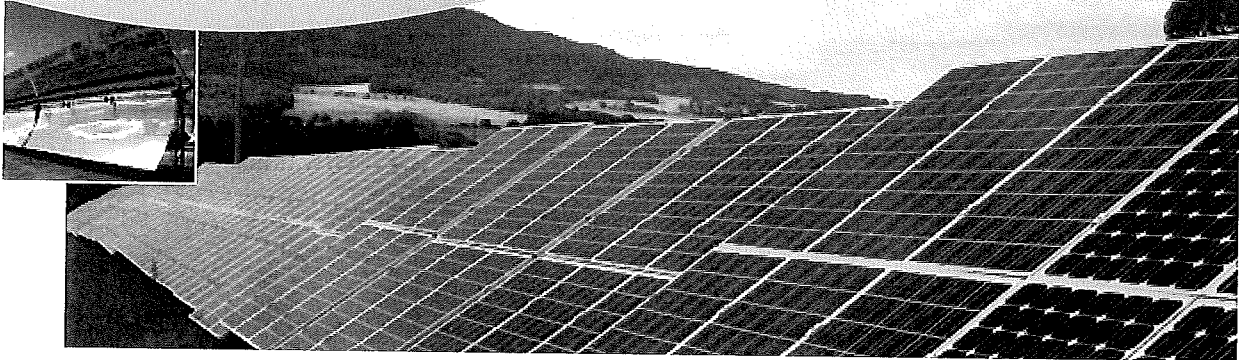
[www.iberdrolaren.com](http://www.iberdrolaren.com)



**IBERDROLA<sup>®</sup>**  
**RENEWABLES**

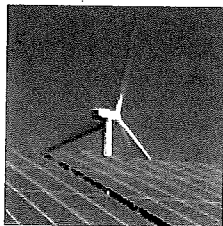
[www.iberdrolaren.com](http://www.iberdrolaren.com)

# Solar Energy Development



## Who we are

Iberdrola Renewables, LLC's, expertise as one of the nation's leading wind power project developers has uniquely prepared the company to develop and deliver a variety of solar technology solutions. By developing utility-scale photovoltaic ("PV") projects and solar thermal projects, Iberdrola Renewables, LLC, leverages its success working with landowners, government agencies, permitting authorities and the general public to competitively deliver solar energy projects to the grid. Iberdrola Renewables, LLC, is headquartered in Portland, Ore., with more than 850 employees at the end of 2010. It is part of the Iberdrola global group, the world's leading provider of wind power with more than 12,700 MW of renewable energy in operation around the world.



## What we do

Iberdrola Renewables LLC's, commitment to renewable energy features a growing solar business. The company's development portfolio includes federal, state and private lands for utility scale solar thermal and PV projects, and features 50 megawatts ("MW") of PV that began construction in 2010. The company has developed a vertically integrated capability to reliably and cost-effectively develop renewable energy projects ideally suited to meet its customer's needs.

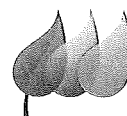
This capability includes the following:

## Development and Operations

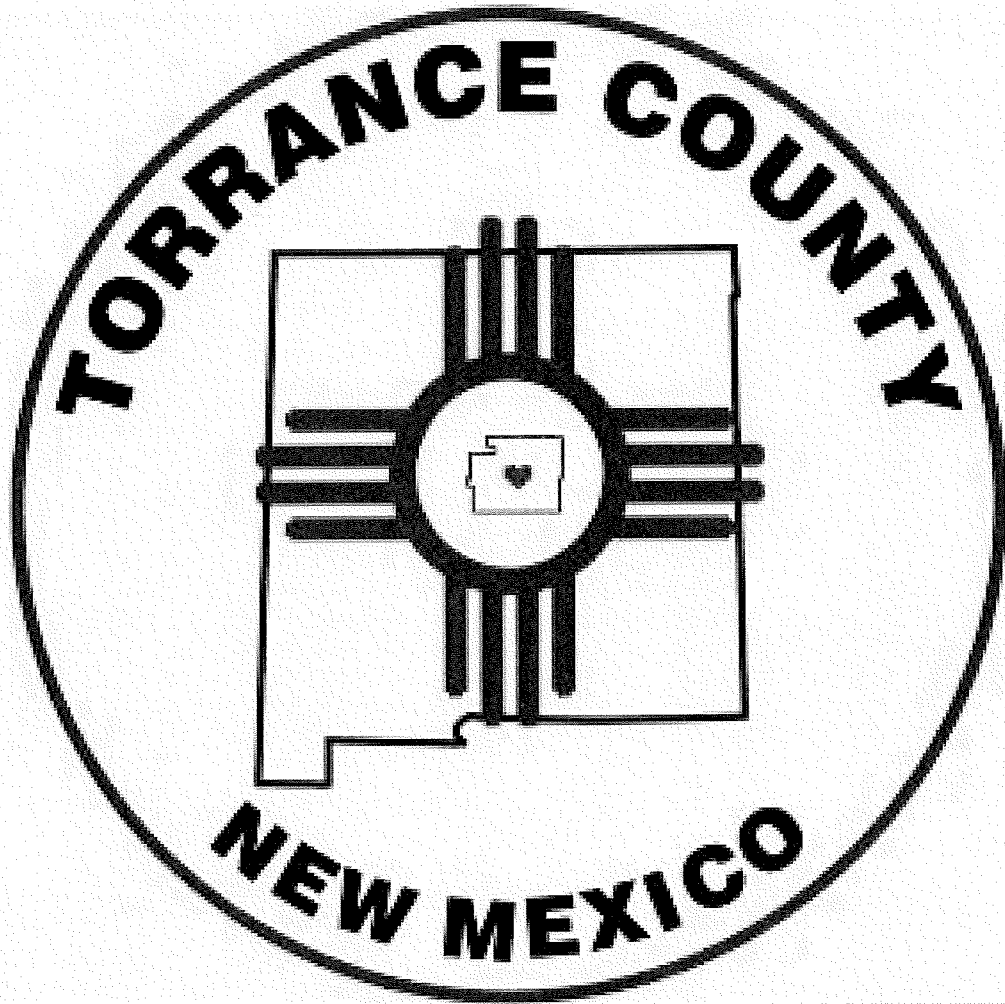
Iberdrola Renewables, LLC, is the second-largest owner and operator of wind projects in the US, and has a strong development team that collectively has over 120 years of development, environmental permitting, community relations, and federal, state and local agency coordination experience. Iberdrola Renewables, LLC, employs experienced, highly trained, safety conscious operations and maintenance personnel who currently oversee over 4,700 MW of installed wind power capacity in the US. The company also operates a high-tech 24-hour National Control Center with remote operational capability that monitors everything from weather to wildlife activity all over the country.

## Forecasting

Iberdrola Renewables, LLC, deploys the latest technology and complex modeling techniques to forecast energy potential. Our highly experienced meteorological and forecasting team help determine the appropriate layout of the project, projected power output and the commercial viability of each potential site.



**IBERDROLA<sup>®</sup>**  
**RENEWABLES**

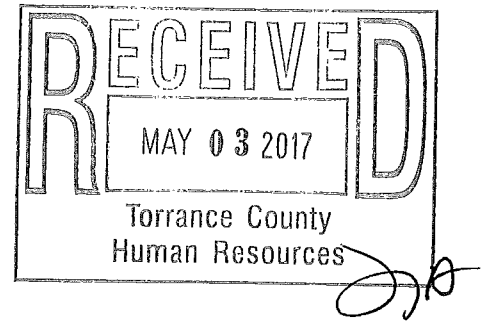


*Agenda Item*  
*No. 2*



Torrance County Commission  
Estancia, NM  
Torrance County

May 3, 2017



RE: Torrance County Investment Committee

Chairman Sanchez and Distinguished Commissioners;

My name is David Tixier, I am a private citizen and business man in Torrance County. I am interested in serving on the investment committee organized by the County Commissioners and County Manager.

Torrance County is a thriving county located in Central NM full of history and culture. Torrance County has been a great place for me to raise my family and establish several businesses over the past 35 years.

Torrance County is currently the home to two wind projects that have engaged in project participation agreements with the county, resulting in payments in lieu of taxes (PILT) agreements as part of the Industrial Revenue Bond process, totaling more than \$1 million to the County and School districts.

I am interested in working with the County officials and staff in identifying areas within our county for growth as determined through the comprehensive planning adopted by our citizens and county officials.

It is very important to invest current and future PILT funding for immediate needs of health and safety, education and workforce, jobs and infrastructure and the continuation of economic development efforts that grow our economy and provide for future growth.

I would appreciate your support in my appointment to this very important investment committee.

Thank you

David Tixier

May 1, 2017

Leo Chavez  
No. 11 Rancho Seco Rd/PO Box 97  
Torreon, NM 87061

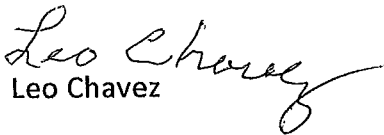
Torrance County Government  
Torrance County Commissioners and County Manager  
Estancia, NM 87016

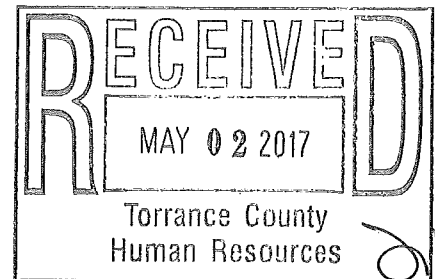
Dear Torrance County Commissioners and County Manager:

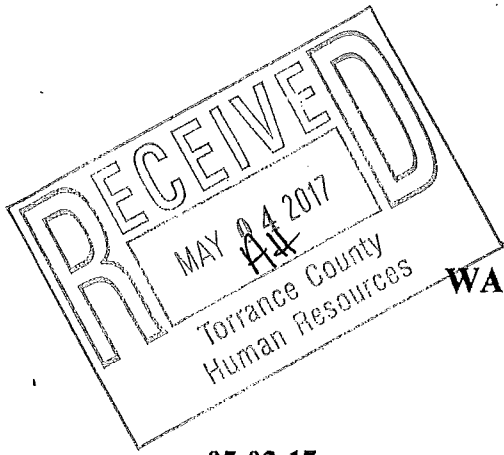
Thank you for your consideration to assist as a committee member on the Torrance County Investment Committee. As a lifelong resident of Torrance County, I am happy to accept the membership and the opportunity to assist as a committee member.

Please contact me at (505)384-2990 or by mail at the address listed above. I look forward to working with you.

Sincerely,

  
Leo Chavez





**MDWCA  
MANZANO DOMESTIC  
WATER COMSUMER ASSOCIATION**

**05-03-17**

**Javier Sanchez  
Torrance County Commissioner – District 3**

**I, Orlando S. Lopez, agree and would like to serve on the Financial Investment  
Committee for Torrance County.**

**Sincerely,**

A handwritten signature in cursive script that reads "Orlando S. Lopez".

**Orlando S. Lopez  
President - Manzano MDWCA**

May 4, 2017



To The Torrance County Commission:

I am Johnny Romero and this is my letter of intent to serve on the Finance Committee for investing in Torrance County surplus funds, of the public tax payers.

I feel with the years I have lived in Torrance County, and our family history, I can bring good advice as to what this county needs to service its communities and shareholders.

As a self-employed individual I have experienced firsthand, how difficult it is to make a living in this county and state.

Thank you for your time and consideration to serve on this committee.

Sincerely,

Johnny Romero

Contact phone: (505) 384-4380, (505) 359-0419



*Agenda Item*

*No. 3*

PO Box 48  
205 9<sup>th</sup> Street  
Estancia, NM 87016  
(505) 544-4700 Main Line (505) 384-5294 Fax  
[www.torrancecountynm.org](http://www.torrancecountynm.org)



County Commission  
Commissioner James "Jim" Frost, District 1  
Commissioner Julia DuCharme, District 2  
Commissioner Javier E. Sanchez, District 3  
County Manager  
Belinda Garland  
Deputy County Manager  
Annette Ortiz

**REQUEST TO BE PLACED ON THE TORRANCE COUNTY  
COMMISSION AGENDA**

This form must be returned to the County Manager's Office ONLY!

Deadline for inclusion of an item is WEDNESDAY, NOON prior to the subsequent meeting.  
All fields must be filled out for consideration.

Name: JOHN RYAN SUNZIA SOUTHWEST TRANSMISSION  
First Last Department / Company / Organization Name

Today's Date: 4-27-17 Mailing Address: 710 LAGUNA, ALB., NM 87104  
(Departments/employees of Torrance County need not include their address)

Telephone number/Extension: 505-238-3733 Fax Number: \_\_\_\_\_  
Would you like this Agenda Faxed to you? Yes  No

Email Address: JOHNCHRISRYAN@YAHOO.COM

Is this request for the next Commission meeting?  YES  NO If no, date of Commission Meeting: MAY 10, 2017

Brief explanation of business to be discussed:  
Update and presentation on the Sunzia Southwest Transmission project.

Is this a Resolution, Contract, Agreement, Grant Application, Other? RESOLUTION

Has this been reviewed by Grant Committee?  YES  NO If yes, corresponding paperwork must be attached.

Has this been reviewed by the County Attorney? YES  NO

If this is a contract, MOU, or Joint Powers Agreement there must be a signature line for the County Attorney on the original contract.

Has this been reviewed by the Finance Dept?  YES  NO Comptroller Initials: \_\_\_\_\_

- No Impact
- Change in current fund
- Raise Budget (allow 45 days after Commission approval)
- Change in funds (allow 45 days after Commission approval)
- Reduction
- Transfer funds (allow 45 days after Commission approval)

Other: SUNZIA SOUTHWEST TRANSMISSION PROJECT UPDATE AND RESOLUTION IN SUPPORT.

**\_\_\_\_\_ COUNTY, NEW MEXICO  
RESOLUTION NO. \_\_\_\_\_**

**WHEREAS**, the Bureau of Land Management (BLM) issued a Record of Decision in January 2015 on the SunZia Southwest Transmission Project (SunZia) to construct two high voltage 500 kV transmission lines which will provide new electric transmission capacity for electrical energy resources, particularly solar and wind renewable energy resources, that can be developed in \_\_\_\_\_ County and other counties in New Mexico; and,

**WHEREAS**, \_\_\_\_\_ County and other counties in New Mexico have abundant solar and wind energy resources that could be developed for western power markets if necessary electric transmission capacity like that proposed by SunZia became available; and,

**WHEREAS**, New Mexico's best undeveloped solar and wind energy resources are located primarily in southern and central counties in New Mexico where available transmission capacity is limited-to-nonexistent; and,

**WHEREAS**, SunZia will provide from 3,000 to 4,500 megawatts of new available electric transmission capacity that is an absolute precondition to development of these stranded renewable energy resources; and,

**WHEREAS**, \_\_\_\_\_ County has followed the environmental studies conducted by the BLM on SunZia since 2010, and find no negative impacts to \_\_\_\_\_ County with final route of the project as set forth in the Record of Decision; and,

**WHEREAS**, SunZia obtained its construction and operating permit from the State of Arizona in February 2016 and will soon apply for a Location Control Permit in New Mexico with the Public Regulation Commission (PRC); and,

**WHEREAS**, statements from local governing bodies such as the \_\_\_\_\_ County Commission are important to the consideration and deliberations undertaken by the PRC in approving and issuing the Location Control Permit.

**NOW THEREFORE BE IT RESOLVED** that the \_\_\_\_\_ County Commission fully supports the construction and operation of the SunZia Southwest Transmission Project to provide capacity for local renewable energy projects as well as those in throughout New Mexico that will be able to access SunZia's transmission facilities within the six counties it traverses, as well as from other counties in the state over the existing interconnected electric power grid; and

**BE IT FURTHER RESOLVED** that the \_\_\_\_\_ County Commission urges the New Mexico Public Regulation Commission to expedite and issue the Location Control Permit for the SunZia Southwest Transmission Project following receipt and review of the permit application by SunZia.

**PASSED, APPROVED AND ADOPTED THIS** \_\_\_\_\_ day of \_\_\_\_\_, 2017.





RESOLUTION NO. 2010-40

A RESOLUTION SUPPORTING THE  
SUNZIA SOUTHWEST TRANSMISSION PROJECT

**WHEREAS**, the SunZia Southwest Transmission Project (SunZia) proposes to construct up to two high voltage 500 kV electrical transmission lines and related interconnecting substations within an area lying between central Arizona and central New Mexico, which will provide new delivery capacity for existing and developing renewable energy resources, primarily wind, solar and geothermal projects in New Mexico; and

**WHEREAS**, New Mexico is rich in these renewable energy resources, and state and local communities stand to benefit greatly from the creation of new jobs, economic development, and resulting revenues from taxes and the necessary provision of local governmental services; and

**WHEREAS**, the existence of SunZia creates an opportunity for the development and construction of future wind and solar generation projects and related jobs that would otherwise not occur without transmission lines; and

**WHEREAS**, renewable energy projects are good for the environment and help to minimize our dependence upon foreign oil, reduce air pollution and diversify energy generation sources;

**NOW THEREFORE, BE IT RESOLVED** that this County Commission encourages the development of renewable energy generation and transmission projects in the state of New Mexico, and when possible specifically within Torrance County; and

**BE IT FURTHER RESOLVED** that this County Commission supports the construction and operation of the SunZia project and additional transmission infrastructure to provide capacity for New Mexico's renewable energy projects; and

**BE IT FURTHER RESOLVED** that this County Commission encourages Senator Bingaman, Senator Udall, Congressman Heinrich, Congressman Lujan and Congressman Teague to take necessary actions to facilitate the implementation of national policies and federal legislation that favor the development of regional renewable energy generation and transmission projects.

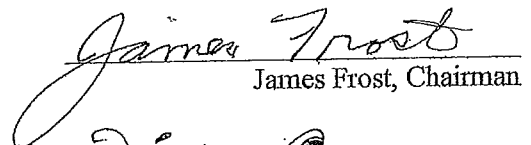
**DONE**, this 13<sup>th</sup> day of September 2010.

Attest:

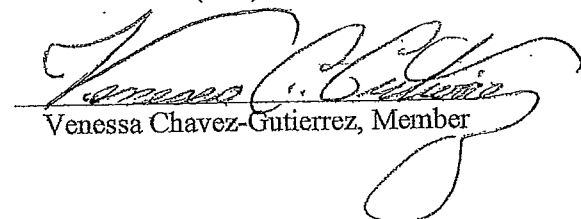
  
County Clerk



**TORRANCE COUNTY COMMISSION**

  
James Frost, Chairman

  
Paul M. (Tito) Chavez, Member

  
Venessa Chavez-Gutierrez, Member

**TORRANCE COUNTY PLANNING & ZONING BOARD**

**MINUTES**

Commission Chambers Administrative Offices 205 9th Street Estancia New Mexico  
87016

**REGULAR MEETING**

**April 5, 2017**

**ATTENDANCE**

In attendance were: Chairman Ron Graham, Vice Chair Max Cabber, Board members Jose Torres, Gail Langell, County Attorney Dennis Wallin, Planning & Zoning Director Steve Guetschow.

**CALL TO ORDER**

Chairman Graham called the meeting to order at 9:30 a.m. and the Pledge of Allegiance was recited.

**APPROVAL OF AGENDA**

Mr. Graham presented the meeting agenda. Mr. Cabber made a motion to approve, Mrs. Langell seconded. All in favor. Motion carried.

**APPROVAL OF MINUTES**

Mr. Graham presented the minutes of the March 1, 2017 Planning & Zoning Board Meeting. Mrs. Sharon Hanna has an objection and is called forward and sworn. She states she was misquoted in the minutes regarding her income which should read [a good portion of her income comes from a ranch she leases from someone else]. After Board discussion with Staff and County Attorney Mr. Cabber motioned to approve the minutes with the condition that the minutes be corrected with Mrs. Hanna testimony in the section about her income. Mrs. Langell seconded. All in favor. Motion carried.

- 1. Special Use Change in Zoning for a Wind Powered Generating Facility, La Joya & Lucia Project.**  
Applicant: Pacific Wind LLC  
Agent: Mark Stacy  
Sites: **La Joya project private lands:** Ansley Ranch within or portions of Sections 8 through 10, 14 through 17, 19 through 27, and 30 through 36, T.8N., R.11E. NMPM. The Wrye Ranch within or portions of Sections 2 through 6, T.6N., R.11E., 2, 11, 12, 14, 16, 21 through 27, 31 through 36 T.7N., R.11E., 12 and 36, T.7N., R.11 ½ E., and 6 & 7 T.7N., R.12 E. NMPM. The Double Arrow Ranch all of Sections 3, 4, 8, & 9 T.7N., R.11E. NMPM.. **Lucia project private lands:** Harral Ranch within portions of Sections 21 and 22, T.4N., R.11E., NMPM. The Luna Ranch Sections 22, 23, 26, 27, 33, 34, and 35, T.4N., R.12E., NMPM.. **State Land leases** affecting both projects include lands within or portions of the following sections,

townships, and ranges: Sections 1, 12, 13, & 24, T.7N., R.11.5E., NMPM, Sections 2, 16, 17, 18, 19 & 32 T.7N., R.12E., NMPM, Sections 1, 12, 13, & 24, T.8N., R.11E. NMPM, Sections 1, 12, 13, 24, 25, & 36 T.9N., R.11E., NMPM. Section 6, T.9N., R.12E., NMPM. Sections 16, 32, & 36 T.6N., R.12E., NMPM. Section 32, T.6N., R.13E., NMPM. Sections 2, 6, 18, & 28 through 33, T.5N., R.12E., NMPM. Sections 23 through 26, 35, & 36 T.5N., R.11E., NMPM. Sections 4, 16, & 18 T.5N., R.13E., NMPM. Sections 1 through 3, 9 through 16, 21 through 23, T.4N., R.11E., NMPM. Sections 1 through 3, 10 through 16, 20, 21, 28 through 32, T.4N., R.12E., NMPM.

Zone: Agriculture – (A) 40 Acre Minimum

Chairman Graham presented the action item. Mark Stacy introduced Matt Hutchinson to the board and staff. Mr. Stacy explained the documentation submitted for their FAA application and the additional lands leased from the Double Arrow Ranch (La Jova project) the Luna and Harral (99 Cattle Co.) ranches (Lucia project) were added to the project area map and submitted to Staff to amend their application. He described the history of the El Cabo project and the million dollar investment in capital improvements. He stated there would be 17 full time jobs created by the project after construction completion and although they would try he couldn't guarantee they would be filled by local workers. Mr. Stacy described the transmission line (under construction) from the wind farm will be interconnected to the BB line by Clines Corners and if the projects reached the 100 megawatts demand then a new line would be required, but for now the PNM strategy will work. Mr. Stacy said Kirtland Airforce Base was contacted and provided with all necessary information from this project and mentioned that a "no hazard" determination had been received from Cannon AFB and FAA approval granted for the El Cabo project. It will be 6 months before they have approval from the FAA on the current project areas and he assured the Board they would be in full compliance with all environmental, air, and cultural concerns described in the zoning regulations. Chairman Graham asked for comments in favor or in opposition to this action item. Hearing none, he asked staff for comment. Mr. Guetschow stated the FAA documentation received had been added to the file and the amended project area map submitted this morning by Mr. Stacy conforms to the amendment map he sketched and included in the meeting package. He affirmed Mr. Stacy's comment that the cultural, archeological, and environmental reports take time due to the large area of land involved. Mr. Graham asked the Board for a motion. Mr. Cabber motioned to recommend this application for approval. Mr. Torres seconded. All in favor, motion carried. Mr. Wallin reminded the public that there will be a notice in the local newspaper for the public hearing on this application. Mr. Guetschow stated that the ad will appear in both the Independent and Telegraph and he will report the Board's recommendation to the Commission at their next meeting.

**2. Conditional Use of land and Commercial Kennel Permit**

Applicant: Deborah Vigil  
 Agent: self  
 Site: Lot 114, Section 24 El Rancho Grande Subdivision being 20 Sierra Vista Rd.  
 Zone: Pre-platted Lands (PL).

Mr. Graham introduced the action item and Ms. Debra Vigil came forward to be sworn. Ms. Vigil provided a brief description of her application stating the facility will be used to train service dogs for veterans, hold competitions from basic obedience to weight pulling, and obtain dogs from shelters to train and provide to individuals in need. Mr. Graham asked for comments in favor of the application. Serina Cisneros was sworn and stated she is the neighbor to the north of the subject property. She is very familiar with the applicant's dogs and supports the application. Jeremy Tremko is sworn and stated he is a veteran and local businessman who has been working with Ms. Vigil for about 3 months. He described how Ms. Vigil provided training to him and his dog to strengthen their bonding process. Jessica Crandall came forward and was sworn. She is a twenty year resident in the county has known the applicant for many years and described her as a hard worker. Alexis Crandall was sworn and stated that she worked with the applicant training her own dogs and believed that this will bring great benefit to the Veterans programs as well as to the County. Mr. Graham asked if there were any comments in opposition to the action item. Hearing none he asked for Staff comments. Mr. Guetschow stated that Code Enforcement Officer Daniel DeCosta and Animal Services Director Cindy Sullivan conducted a facility inspection and deferred to them for comment. Mr. Wallin asked which provision in the zoning code applied for issuance of a conditional use permit for a kennel facility and if the provision was for a home occupation. Mr. Guetschow stated that before the animal control ordinance the Commission used to approve kennels under a conditional use permit in zone districts where animal numbers were restricted under a home occupation provision. Mr. Wallin asked if this met all the requirements. Mr. Guetschow stated the building where the kennel is located appears to be less than the 800 square feet referring to the photographs and the training area is on a 5 acres parcel. He explains the intent of PL zone districts and restrictions which apply. Ms. Sullivan has had conversations with Ms. Vigil concerning the kennel and said that the animal control ordinance is difficult to interpret in regard to kennel sanitation. The dirt floors cannot be sanitized although the ordinance does not have specific requirements at this time. She expressed her concern about the Veterinarian inspection done on February 24, 2017 whether the report is in regard to current number of animals or for the maximum number of animals proposed for the facility. The report stated that the current kennels are clean, dry, and the dogs are provided with adequate food and water for the animals currently housed. The ordinance states that a person is allowed to have 5 animals [without a kennel permit] and Ms. Vigil currently houses 4 females and 2 males. Ms. Sullivan suggested that Ms. Vigil start with the residential kennel permit and apply for a commercial kennel permit after she completes work on the new kennel with floors capable of being sanitized. Mr. Graham asked if anyone else had comments in favor or opposition of this application. Mr. Guetschow stated that Ms. Vigil needs to explain in more detail regarding the proposed competitions and the preparations they'll make in holding these events. Ms. Vigil questions how the residential kennel permit will work with the competitions and stated the facility will not board dogs unless their clients cannot travel or do not have the time to bring the dog to training. Ms. Vigil explained that training depends on the dog; basic obedience takes about 6 weeks and a service dog may take longer depending on client needs. She has plans to improve the kennels with cement floors and she bought 10 kennels [cages]. Once she gets boarding and training approval she will be able to put money aside to complete the project. The animals to be boarded will be kept in the area of the house dedicated to the kennel and are out of the elements with proper heating, cooling, and sanitation. Mr. Graham brought the matter to the board for

questions and comment. **Mr. Cabber** asked how many people will attend the events and how often they will be held. **Ms. Vigil** replied about ten to twenty people per event and the events last 2 to 3 days depending on the type of competition. **Mr. Cabber** asked about her current plans for the concrete floors and being able to sanitize the existing facility. **Ms. Vigil** replied she did not have the money for improvements at this time but she will complete them as soon as she gets the money but could not provide a precise date for when this will be done. **Mr. Torres** asked how she is planning on getting her parcel cleaned for the competitions. **Ms. Vigil** replied that she is looking for somebody with a tractor to turn over the field so she can start the training and competition areas. **Mr. Torres** commented that he is in favor of what the applicant currently has in her property, but he does not approve [of the conditions] for a commercial kennel. **Mr. Torres** asked if the property had dog runs. **Ms. Vigil** described the location of the dog pens on her property. She states that the board and train dogs will be with her [in the house] most of the time. **Mr. Torres** asked if **Ms. Vigil** was the owner of this property. **Ms. Vigil** replied that her mother bought this property for her. **Mr. Graham** commented that she is not ready for an operation of these dimensions and his vote would be no for a commercial kennel. **Ms. Vigil** said that everything is clean. **Mr. Graham** stated that until the sanitation issue is resolved the vote will be no for commercial. **Mr. Guetschow** asked **Ms. Sullivan** to come forward to describe different methods of kennel preparation for sanitation purposes. **Ms. Sullivan** stated that metal works for walls and commented that commercial kennel numbers is more than 10 dogs, residential kennel numbers are 6 to 10 dogs and she is concerned about a mass breeding operation. **Mr. Guetschow** referred the board to sections of the animal control ordinance contained in the meeting package and read the provision describing what constitutes a commercial kennel and related requirements. He then read the provisions for Residential kennels. **Mr. Graham** asked if there were more questions or comments. **Jeremy Tremko** informed the Board that he has a degree in architectural design and building code and that the state code allows having dirt floors with straw as long as is cycled in and out and wood is allowed as long as it has an oil based stain because it can be sanitized. Comment from the audience says that is for horse facilities. **Mrs. Langell** asked if the hanging extension cord shown in the photos is permanent. **Ms. Vigil** answered that it was just a quick fix because it fell from the ceiling but it will be put back up to the ceiling. **Mr. Graham** repeats his comment concerning her readiness for a commercial kennel and recommends that she follow the suggestions from **Ms. Sullivan**. **Mr. Torres** recommended that she takes her time to do this right. **Raymond Whitham** came forward to be sworn and stated that the barn kennels are for their personal dogs. The board and train kennels are in the house where the area can be sanitized. **Mrs. Langell** asked if the dogs stayed inside the small kennels [cages] all day and **Mr. Whitham** replied that his mom helps with the dogs and they do get adequate exercise. He added that board and trains will spend most of the time training in the city. **Mr. Cabber** asked if **Ms. Vigil** had a residential permit [in place] and if she was applying for a residential permit [for her own dogs]. He questioned if she needed to come before the Board for a residential kennel permit. **Mr. Guetschow** responded that a residential kennel permit is issued administratively. **Mr. Torres** asked if this item could be tabled until the facility is up to standards. **Mr. Guetschow** asked **Ms. Sullivan** if the oil base paint is acceptable for sealing wood surfaces for cleaning or if other surface cladding could be used. **Ms. Sullivan** stated that they will require the wood kennels to be sanitizable and questioned why all the dogs were inside the wood kennels at the time of the inspection. **Ms. Vigil** replied they didn't want the dog barking during the inspection. **Mr. Guetschow**

suggested the Board consider Mr. Torres's suggestion to table the application until all conditions are met. **(Changed CD)** Ms. Jesse from the audience stated rubberized mats used for her horses can be sanitized and there was more discussion on that aspect. **Ms. Vigil** commented that she is saving money for a carport to use for kennels with a concrete floor. **Mr. Wallin** stated that she is not ready for a commercial kennel approval and asked if Staff had measured the areas of the kennel in regard to the limitations set forth in the home business provisions of the ordinance. He suggested staff revisit the site to obtain those measurements and then reminded the public that the Planning and Zoning Board has two choices being denial or approval of the application and explained that the Board is trying to help Ms. Vigil by tabling the application until all information is gathered. **Mr. Tremko** stated that he will provide architectural drawings for the next meeting. In addition he will also donate the concrete and make sure all work meets state regulations. **Mr. Guetschow** stated he will go to the property to get the measurements that are needed for this application. **Mr. Graham** asked for a motion. **Mr. Cabber** motioned to table this item until staff get all the measurements necessary then application will be reviewed on the Planning and Zoning meeting in May. [Both Mr. Torres & Mrs. Langell second; Torres concedes to her] **Mrs. Langell** seconded. All in favor, motion carried.

Discussion Items:

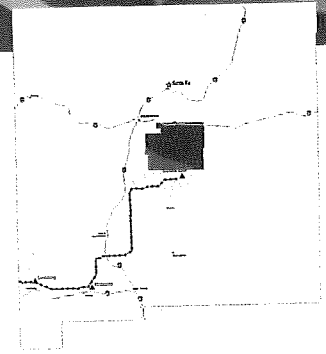
**Mr. Guetschow** reminded the board about the Special Use public hearing for the Affordable Solar project will be coming before the Commission on April 12 meeting and Town of Estancia made a due pass recommendation for the application.

There were no discussion items or issues that require Executive Session and having no more business to address **Chairman Graham** entertained a motion to adjourn. All in favor, meeting adjourned at 11:00 am.

APPROVED:

\_\_\_\_\_  
Ron Graham, Chairman of the Board

\_\_\_\_\_  
Steve Guetschow, Planning & Zoning Director













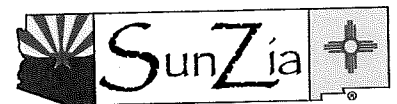
# Torrance County

SunZia will enable delivery of Torrance County's renewable resources. Renewable energy projects enabled by SunZia could request interconnection to SunZia at any point. The University of Arizona and New Mexico State University identified positive economic impacts within Torrance County created by SunZia. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Torrance County.

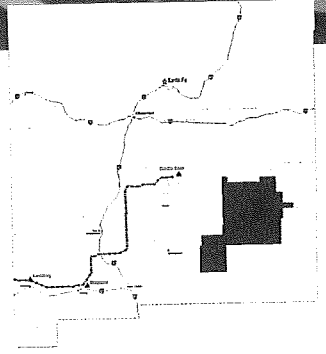


## ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,260	900+	400+	415+
	 Wages & Salaries	\$90.7 million	\$65.3 million	\$29.9 million	\$32.3 million
	 Local Tax Revenues	\$0.9 million	\$0.7 million	\$0.3 million	\$0.3 million
<b>DURING OPERATION</b>	 Jobs	11	27	8	23
	 Annual Wages & Salaries	\$0.8 million	\$1.6 million	\$0.5 million	\$1.6 million
	 Local Property Taxes <sup>2</sup>	\$17.2 million	\$28.1 million	\$9.3 million	\$8.4 million













## Chaves County



SunZia will enable delivery of Chaves County's renewable resources. Renewable energy projects enabled by SunZia could request interconnection to SunZia at any point. The University of Arizona and New Mexico State University identified positive economic impacts within Chaves County created by SunZia. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Chaves County.

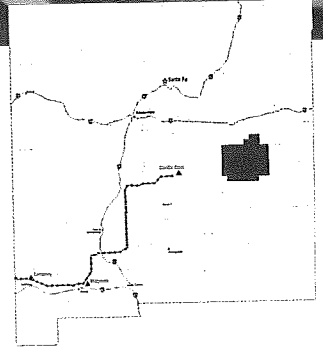


### ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,480	1,130+	555+	545+
	 Wages & Salaries	\$94.3 million	\$67.1 million	\$29 million	\$32 million
	 Local Tax Revenues	\$1.1 million	\$0.9 million	\$0.4 million	\$0.4 million
<b>DURING OPERATION</b>	 Jobs	13	31	9	27
	 Annual Wages & Salaries	\$0.8 million	\$1.8 million	\$0.6 million	\$1.8 million
	 Local Property Taxes <sup>2</sup>	\$22.1 million	\$36.1 million	\$11.9 million	\$10.8 million

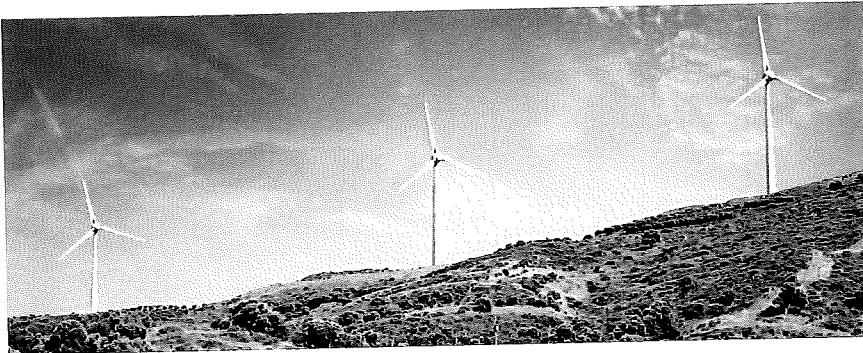
















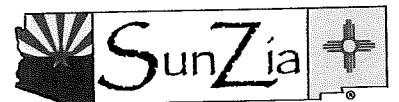
# De Baca County

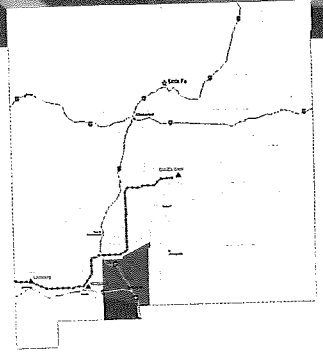
SunZia will enable delivery of De Baca County's renewable resources. Renewable energy projects enabled by SunZia could request interconnection to SunZia at any point. The University of Arizona and New Mexico State University identified positive economic impacts within De Baca County created by SunZia. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in De Baca County.



## ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,165	700+	260+	305+
	 Wages & Salaries	\$84.8 million	\$54.4 million	\$22 million	\$26.1 million
	 Local Tax Revenues	\$0.9 million	\$0.6 million	\$0.2 million	\$0.3 million
<b>DURING OPERATION</b>	 Jobs	11	27	7	22
	 Annual Wages & Salaries	\$0.8 million	\$1.6 million	\$0.5 million	\$1.6 million
	 Local Property Taxes <sup>2</sup>	\$20.2 million	\$33 million	\$10.9 million	\$9.9 million















# Doña Ana County

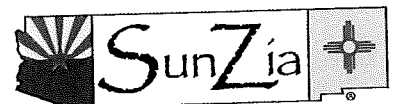
The University of Arizona and New Mexico State University identified positive economic impacts within Doña Ana County created by SunZia, including:

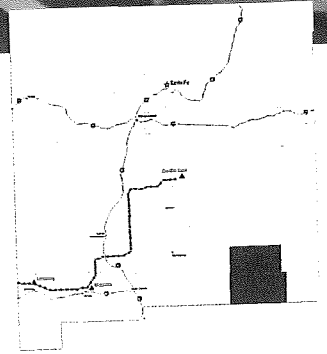
- Nearly 40 permanent jobs during operation
- Over \$2 million per year in wages and salaries during operation

Since 2007, one out of 18 jobs in New Mexico no longer exists and Doña Ana County's unemployment rate was 8.2 percent in 2010. Within Doña Ana County, SunZia will create job opportunities through a proposed maintenance base, and through SunZia's ability to foster development of local renewable energy projects. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Doña Ana County.

## ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,540	1,160+	550	550+
	 Wages & Salaries	\$97.4 million	\$70.3 million	\$31.4 million	\$34.1 million
	 Local Tax Revenues	\$1.2 million	\$0.9 million	\$0.4 million	\$0.4 million
<b>DURING OPERATION</b>	 Jobs	14	32	9	28
	 Annual Wages & Salaries	\$0.9 million	\$1.8 million	\$0.6 million	\$1.8 million
	 Local Property Taxes <sup>2</sup>	\$22.1 million	\$36.1 million	\$11.9 million	\$10.8 million















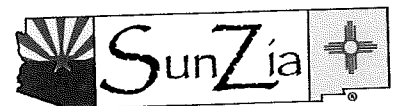
# Eddy County

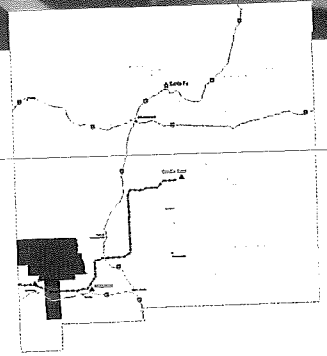
SunZia will enable delivery of Eddy County's renewable resources. Renewable energy projects enabled by SunZia could request interconnection to SunZia at any point. The University of Arizona and New Mexico State University identified positive economic impacts within Eddy County created by SunZia. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Eddy County.



## ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,245	860+	305+	345+
	 Wages & Salaries	\$89.2 million	\$62.3 million	\$24.1 million	\$28 million
	 Local Tax Revenues	\$0.8 million	\$0.6 million	\$0.2 million	\$0.3 million
<b>DURING OPERATION</b>	 Jobs	12	29	8	25
	 Annual Wages & Salaries	\$0.8 million	\$1.7 million	\$0.6 million	\$1.7 million
	 Local Property Taxes <sup>2</sup>	\$12.2 million	\$28.4 million	\$9.4 million	\$8.5 million















# SunZia in Grant County

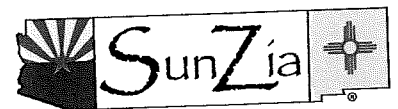
The University of Arizona and New Mexico State University identified positive economic impacts within Grant County created by SunZia, including:

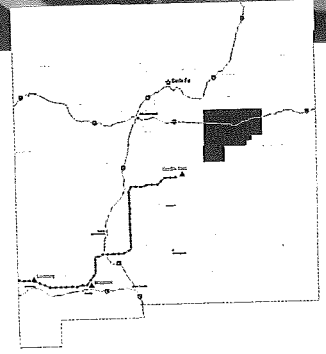
- 110 jobs<sup>1</sup> during construction
- \$8.5 million in estimated wages and salaries (including benefits) during construction
- Nearly \$1 million in local tax revenues during construction
- Over \$1.4 million in local property tax revenues<sup>2</sup>

Since 2007, one out of 18 jobs in New Mexico no longer exists and Grant County's unemployment rate was 10.9 percent in 2010. Within Grant County, SunZia will create job opportunities through construction of two transmission lines, and through SunZia's ability to foster development of local renewable energy projects. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Grant County.

## ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,255+	770+	280+	330+
	 Wages & Salaries	\$88.4 million	\$57.7 million	\$22.8 million	\$27 million
	 Local Tax Revenues	\$1.0 million	\$0.7 million	\$0.3 million	\$0.3 million
<b>DURING OPERATION</b>	 Jobs	12	29	8	25
	 Annual Wages & Salaries	\$0.8 million	\$1.7 million	\$0.6 million	\$1.7 million
	 Local Property Taxes <sup>2</sup>	\$15.7 million	\$25.7 million	\$8.5 million	\$7.7 million















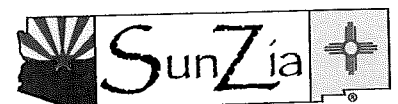
# Guadalupe County

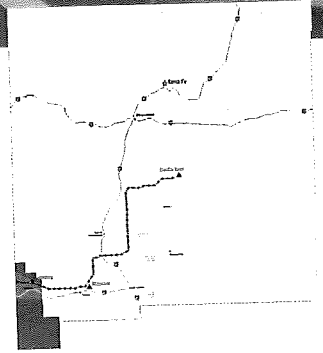
SunZia will enable delivery of Guadalupe County's renewable resources. Renewable energy projects enabled by SunZia could request interconnection to SunZia at any point. The University of Arizona and New Mexico State University identified positive economic impacts within Guadalupe County created by SunZia. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Guadalupe County.



## ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,180	785+	285+	325+
	 Wages & Salaries	\$86 million	\$58.4 million	\$23.2 million	\$27.1 million
	 Local Tax Revenues	\$1.0 million	\$0.7 million	\$0.3 million	\$0.3 million
<b>DURING OPERATION</b>	 Jobs	11	28	8	23
	 Annual Wages & Salaries	\$0.8 million	\$1.6 million	\$0.6 million	\$1.6 million
	 Local Property Taxes <sup>2</sup>	\$24.8 million	\$40.6 million	\$13.4 million	\$12.2 million















## SunZia in Hidalgo County

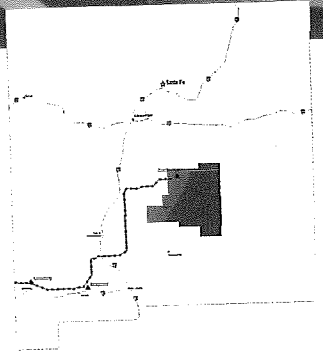
The University of Arizona and New Mexico State University identified positive economic impacts within Hidalgo County created by SunZia, including:

- 345 jobs<sup>1</sup> during construction
- Over \$30 million in estimated wages and salaries (including benefits) during construction
- Over \$2 million in local tax revenues during construction
- Nearly \$5 million in local property tax revenues<sup>2</sup>

Since 2007, one out of 18 jobs in New Mexico no longer exists and Hidalgo County's unemployment rate was 7.9 percent in 2010. Within Hidalgo County, SunZia will create job opportunities through construction of two transmission lines and a proposed substation, and through SunZia's ability to foster development of local renewable energy projects. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Hidalgo County.

### ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,190+	715+	265+	315+
	 Wages & Salaries	\$98.5 million	\$63.2 million	\$25.6 million	\$26.1 million
	 Local Tax Revenues	\$0.8 million	\$0.5 million	\$0.2 million	\$0.2 million
<b>DURING OPERATION</b>	 Jobs	11	27	7	22
	 Annual Wages & Salaries	\$0.8 million	\$1.6 million	\$0.5 million	\$1.6 million
	 Local Property Taxes <sup>2</sup>	\$18.4 million	\$30.1 million	\$9.9 million	\$9 million













# SunZia in Lincoln County

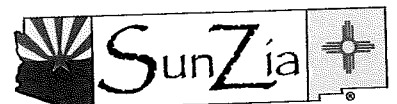
The University of Arizona and New Mexico State University identified positive economic impacts within Lincoln County created by SunZia, including:

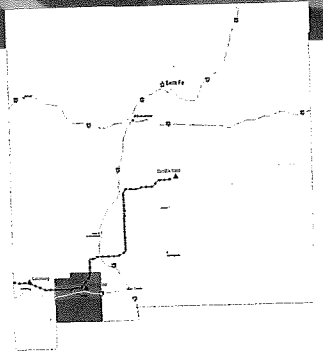
- Over 250 jobs<sup>1</sup> during construction
- Over \$15 million in estimated wages and salaries (including benefits) during construction
- Nearly \$3 million in local tax revenues during construction
- Over \$5 million in local property tax revenues<sup>2</sup>

Since 2007, one out of 18 jobs in New Mexico no longer exists and Lincoln County's unemployment rate was 6.8 percent in 2010. Within Lincoln County, SunZia will create job opportunities through construction of two transmission lines and a substation, and through SunZia's ability to foster development of local renewable energy projects. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Lincoln County.

## ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,345+	950	335+	380+
	 Wages & Salaries	\$91.1 million	\$63 million	\$24.4 million	\$28.6 million
	 Local Tax Revenues	\$1.1 million	\$0.8 million	\$0.3 million	\$0.3 million
<b>DURING OPERATION</b>	 Jobs	14	32	9	28
	 Annual Wages & Salaries	\$0.8 million	\$1.8 million	\$0.6 million	\$1.8 million
	 Local Property Taxes <sup>2</sup>	\$19.9 million	\$32.5 million	\$10.7 million	\$9.8 million





## SunZia in Luna County

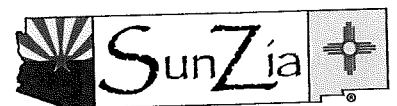
The University of Arizona and New Mexico State University identified positive economic impacts within Lincoln County created by SunZia, including:

- Over 530 jobs<sup>1</sup> during construction
- Over \$40 million in estimated wages and salaries (including benefits) during construction
- Over \$5 million in local tax revenues during construction
- Nearly \$9 million in local property tax revenues<sup>2</sup>

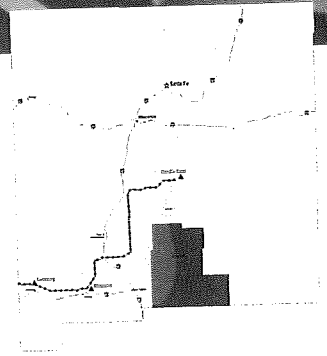
Since 2007, one out of 18 jobs in New Mexico no longer exists and Luna County's unemployment rate was 18.7 percent in 2010. Within Luna County, SunZia will create job opportunities through construction of two transmission lines and a proposed substation, and through SunZia's ability to foster development of local renewable energy projects. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Luna County.

### ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

		Solar PV 100MW	Solar Thermal 160MW	Wind 100MW	Geothermal 50MW
<b>DURING CONSTRUCTION</b>	Jobs <sup>1</sup>	1,310+	870+	400+	420+
	Wages & Salaries	\$91 million	\$61.6 million	\$28.6 million	\$31.4 million
	Local Tax Revenues	\$1.1 million	\$0.8 million	\$0.4 million	\$0.4 million
<b>DURING OPERATION</b>	Jobs	11	28	8	23
	Annual Wages & Salaries	\$0.8 million	\$1.6 million	\$0.5 million	\$1.6 million
	Local Property Taxes <sup>2</sup>	\$17.6 million	\$28.7 million	\$9.5 million	\$8.6 million

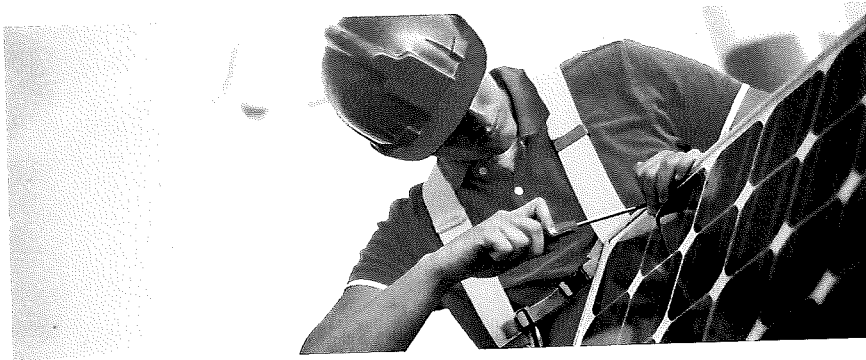
















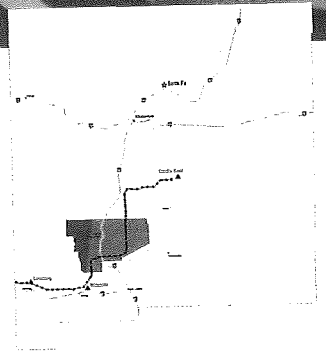
## Otero County

SunZia will enable delivery of Otero County's renewable resources. Renewable energy projects enabled by SunZia could request interconnection to SunZia at any point. The University of Arizona and New Mexico State University identified positive economic impacts within Otero County created by SunZia. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Otero County.



### ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,380	1,015+	480+	480+
	 Wages & Salaries	\$92.1 million	\$65.3 million	\$29.1 million	\$32 million
	 Local Tax Revenues	\$1.0 million	\$0.8 million	\$0.4 million	\$0.4 million
<b>DURING OPERATION</b>	 Jobs	12	29	8	25
	 Annual Wages & Salaries	\$0.8 million	\$1.7 million	\$0.6 million	\$1.7 million
	 Local Property Taxes <sup>2</sup>	\$22 million	\$34.3 million	\$11.3 million	\$10.3 million













# SunZia in Sierra County

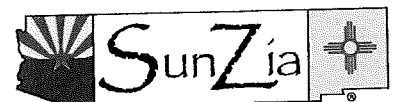
The University of Arizona and New Mexico State University identified positive economic impacts within Sierra County created by SunZia, including:

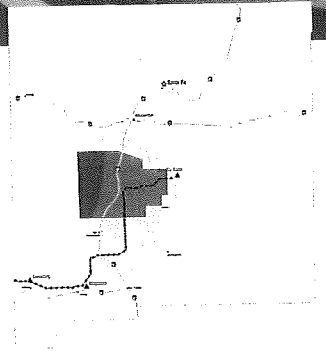
- Over 650 jobs<sup>1</sup> during construction
- Over \$50 million in estimated wages and salaries (including benefits) during construction
- Nearly \$4 million in local tax revenues during construction
- Nearly \$10 million in local property tax revenues<sup>2</sup>

Since 2007, one out of 18 jobs in New Mexico no longer exists and Sierra County's unemployment rate was 6.8 percent in 2010. Within Sierra County, SunZia will create job opportunities through construction of two transmission lines, and through SunZia's ability to foster development of local renewable energy projects. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Sierra County.

## ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

		 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,255	840+	305+	350
	 Wages & Salaries	\$87 million	\$58.6 million	\$23.3 million	\$27.4 million
	 Local Tax Revenues	\$0.7 million	\$0.5 million	\$0.2 million	\$0.2 million
<b>DURING OPERATION</b>	 Jobs	12	29	8	25
	 Annual Wages & Salaries	\$0.8 million	\$1.7 million	\$0.6 million	\$1.7 million
	 Local Property Taxes <sup>2</sup>	\$18.4 million	\$30.1 million	\$9.9 million	\$9 million















## SunZia in Socorro County

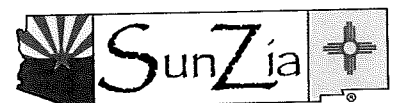
The University of Arizona and New Mexico State University identified positive economic impacts within Socorro County created by SunZia, including:

- Over 760 jobs<sup>1</sup> during construction
- Nearly \$60 million in estimated wages and salaries (including benefits) during construction
- Over \$5.5 million in local tax revenues during construction
- Over \$15 million in local property tax revenues<sup>2</sup>

Since 2007, one out of 18 jobs in New Mexico no longer exists and Socorro County's unemployment rate was 6.1 percent in 2010. Within Socorro County, SunZia will create job opportunities through construction of two transmission lines, and through SunZia's ability to foster development of local renewable energy projects. The following table presents the estimated economic contributions associated with four types of potential renewable projects<sup>3</sup> in Socorro County.

### ECONOMIC CONTRIBUTIONS<sup>3</sup> AT A GLANCE

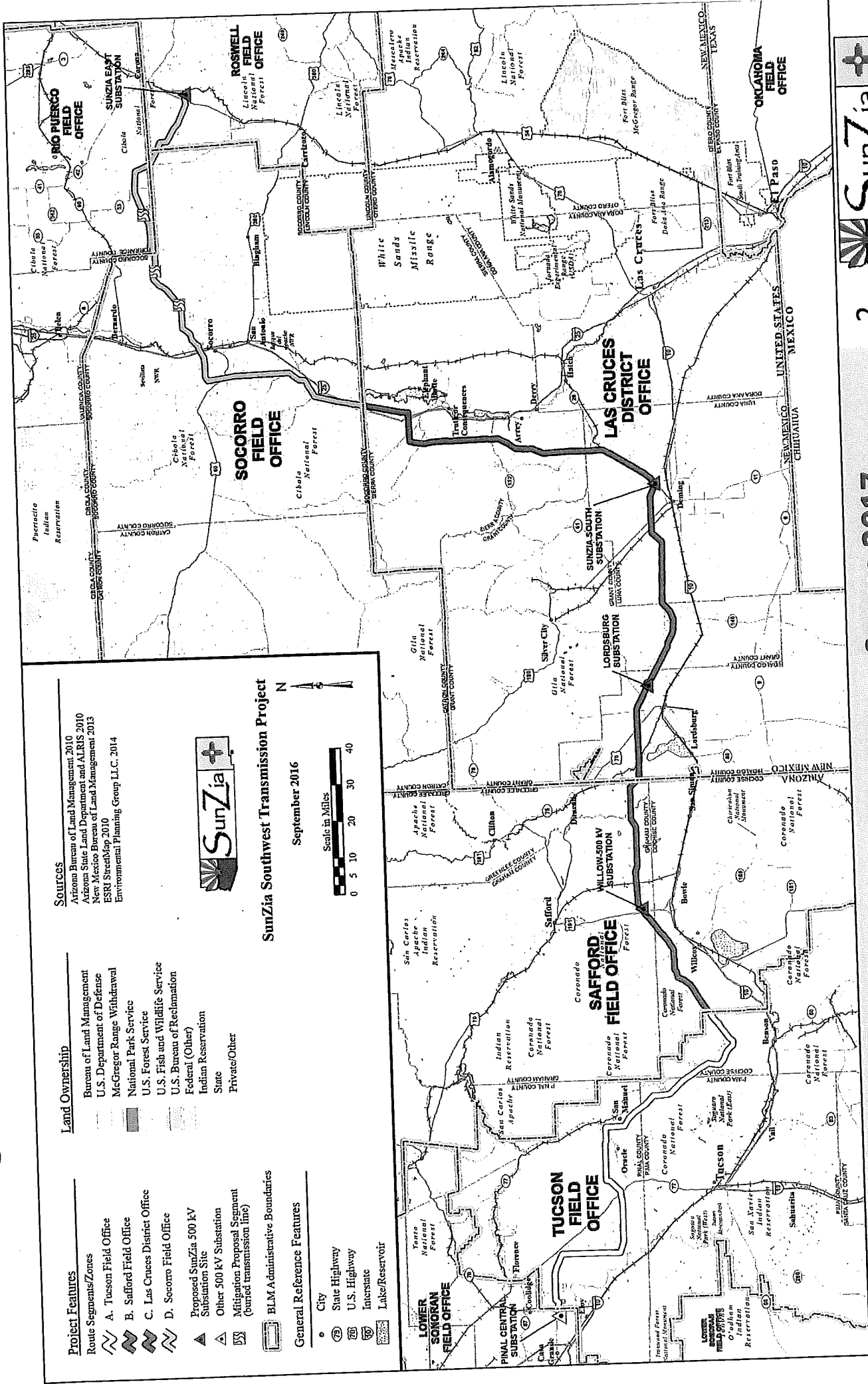
	 Solar PV 100MW	 Solar Thermal 160MW	 Wind 100MW	 Geothermal 50MW	
<b>DURING CONSTRUCTION</b>	 Jobs <sup>1</sup>	1,335+	955+	440+	450+
	 Wages & Salaries	\$92.2 million	\$66 million	\$30.6 million	\$33.1 million
	 Local Tax Revenues	\$1.0 million	\$0.8 million	\$0.4 million	\$0.4 million
<b>DURING OPERATION</b>	 Jobs	12	30	8	25
	 Annual Wages & Salaries	\$0.8 million	\$1.7 million	\$0.6 million	\$1.7 million
	 Local Property Taxes <sup>2</sup>	\$24.3 million	\$39.7 million	\$13.1 million	\$11.9 million



# Project Summary

- ✦ 515 mile transmission project in New Mexico and Arizona
- ✦ Two 500 KV AC lines providing 3,000 MW of transfer capacity to AZ and CA
- ✦ Brings high-quality renewable energy to western markets
- ✦ Pattern Energy was selected as the anchor customer for the first 500 kV transmission line
- ✦ Obtained Declaratory Order from FERC in May 2011 for negotiated rate authority
- ✦ WECC granted SunZia an Accepted Rating of 3,000 MW for two 500kV AC lines in March 2011; rating was re-confirmed in January 2015
- ✦ Executed ROW Grant Agreement with BLM September 2016
- ✦ Plan of Development in being prepared; NTP from BLM expected December 2017
- ✦ Construction Start 1Q 2018
- ✦ Commercial operation by 4Q 2020

# SunZia Transmission Line Route



### Project Features

- Route Segments/Zones
- A. Tucson Field Office
- B. Safford Field Office
- C. Las Cruces District Office
- D. Socorro Field Office
- Proposed SunZia 500 kV Substation Site
- Other 500 kV Substation
- Mitigation Proposal Segment (buried transmission line)

### Land Ownership

- Bureau of Land Management
- U.S. Department of Defense
- McGregor Range Withdrawal
- National Park Service
- U.S. Forest Service
- U.S. Fish and Wildlife Service
- U.S. Bureau of Reclamation
- Federal (Other)
- Indian Reservation
- State
- Private/Other

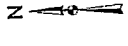
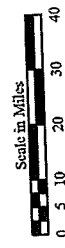
### SOURCES

Arizona Bureau of Land Management, 2010  
 Arizona State Land Department and AIRIS 2010  
 New Mexico Bureau of Land Management, 2013  
 ESRI StreetMap 2010  
 Environmental Planning Group LLC, 2014



## SunZia Southwest Transmission Project

September 2016



### General Reference Features

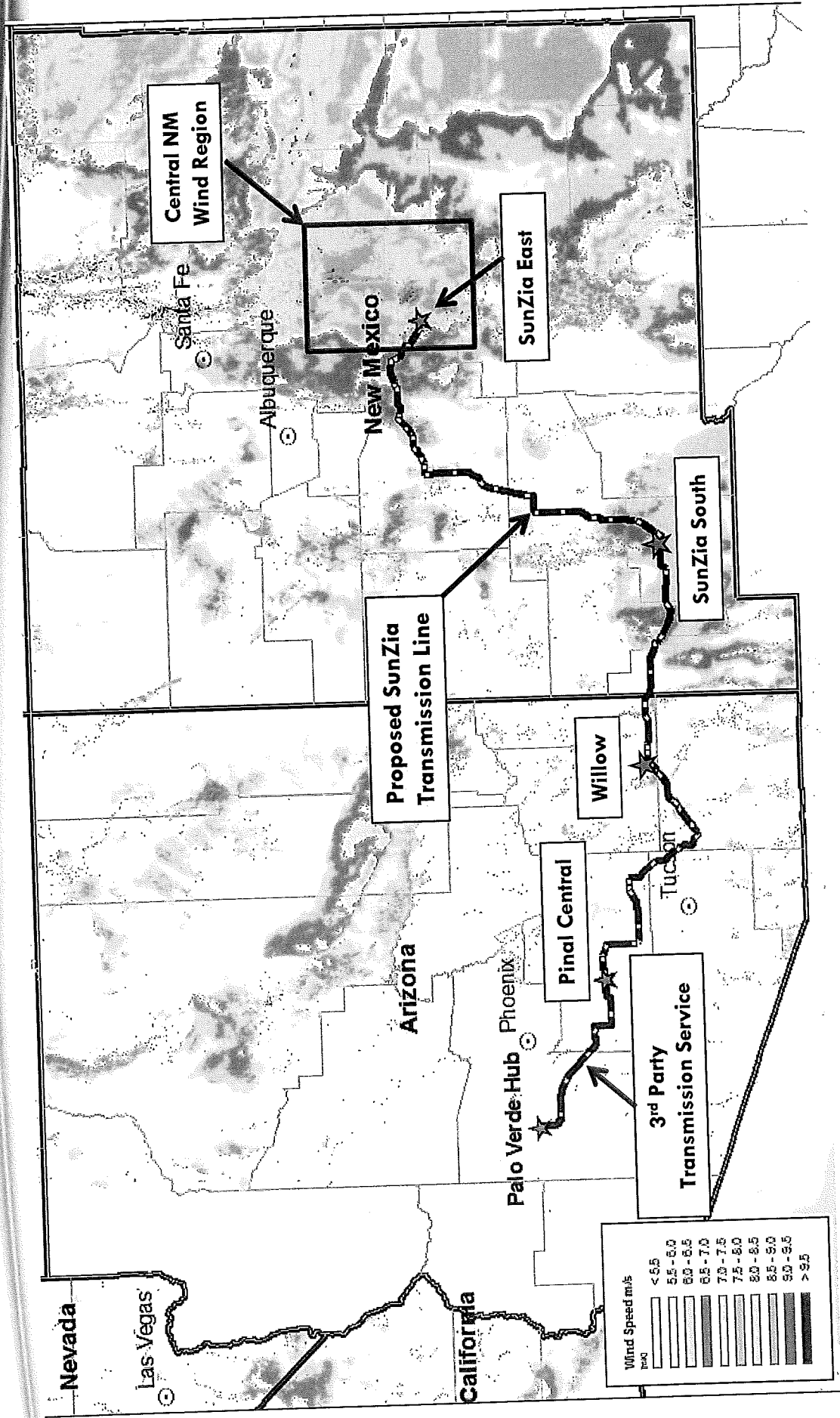
- City
- State Highway
- U.S. Highway
- Interstate
- Lake/Reservoir







# SunZia Target Market and Delivery Options



# Project Owners

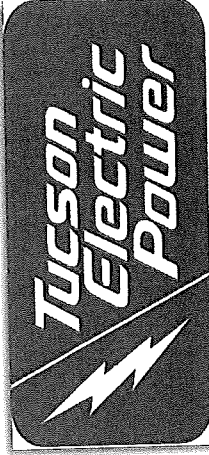
Shell WindEnergy



Shell Wind Energy

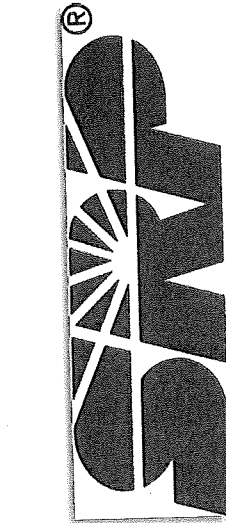
**SOUTH WESTERN**  
Power Group  
A MMR Group Company

SouthWestern Power/  
MMR Group

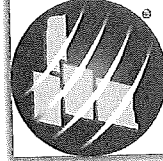


A UniSource Energy Company


Tucson Electric Power



Salt River Project



**TRI-STATE**  
Generation and Transmission  
Association, Inc.

A Touchstone Energy Cooperative 

Tri-State G&T



# SouthWestern Power Group

- **Independent developer of utility-scale generation and transmission in the Desert Southwest**
- **Project Manager/Developer of SunZia**
- **Based in Phoenix, staff of ten: 175 years of experience, in business for 17 yrs**
- **Major References:**
  - » 2,400 MW CCGT Panda Gila River power plant (in operation)
  - » 1,000 MW CCGT Bowie Power Station (permitted)
  - » 600 MW Lignite CFB Rockdale Power Plant (in operation)
  - » 200 MW (DC) Solar PV power project (in operation)
- **Owned by MMR Group of Baton Rouge, LA**

# MMR Group

---

- ✦ **Construction services firm based in Baton Rouge, LA**
- ✦ **22 offices in USA, Canada & overseas**
- ✦ **In business +25 years; owned by senior management**
- ✦ **Approximately 5,000 employees**
- ✦ **One of the largest electrical contractors in the US**
- ✦ **Industrial markets only: power, oil & gas, process, etc.**
- ✦ **Built over 40,000 MWs of generation**

# Project Concept to Operation: 15 Years

Concept emerges in regional planning	Starting 2006
Sponsors sign MOA	April 2008
Submit BLM SF-299 ROW Application	Sept 2008
Initiate Scoping	May 2009
Draft EIS	May 2012
Final EIS	June 2013
Record of Decision	Jan 2015
AZ CEC Permit	Feb 2016
NM Location Control Permit	Q2 –Q3 2017
Final Design & Engineering, Plan of Development, and NTP	Q4 2017
Financial Close	Q1 2018
Engineering, Procurement & Construction	2018-2020
Commercial Operation	Q4 2020



# **New Mexico Transmission Line**

## **Location Approval**

- ✦ The Location Approval Process applies to transmission lines providing electric service within or outside of New Mexico.
- ✦ Location Approval is obtained by filing an application with the PRC.
- ✦ SunZia plans Application filing in February - March 2017 time frame.
- ✦ The PRC may deny or approve the application within 6 months.
- ✦ The PRC may not act unless notice and public meeting(s) are held.
- ✦ The PRC may approve without a meeting if no protests are filed within 60 days of the notice date. (NMSA 1978 § 62-9-3).

# **SunZia Southwest Transmission Project**

## **Plan of Development**



# Final Plan of Development Outline

1. Introduction
  2. Project Management
  3. Project Components
  4. Project Construction
  5. Operation and Maintenance
  6. Mitigation of Environmental Concerns
- Appendix A - Construction Considerations
- Appendix B - Biological Considerations
- Appendix C - Cultural and Paleontological Considerations
- Appendix D - Other Special Resource Considerations and Mitigation Measures
- Appendix E - Stormwater Pollution and Prevention Plan
- Appendix F - Right-of-Way Preparation, Reclamation, and Monitoring Framework Plan

# POD Implementation Plan

## Project Initiation

- Project Kick-off Meeting – September 29, 2016
- Initial Engineering – October 2016 to January 2017

## Resource Surveys

- Cultural Resources Class III – October 2016 to March 2017
- Biological Resources – October 2016 to February 2017
- Paleontological Resources – November 2016 to January 2017
- Jurisdictional Delineation – October 2016 to February 2017
- BLM and Agencies Review Resource Survey Reports – February to August 2017

## Plan Of Development

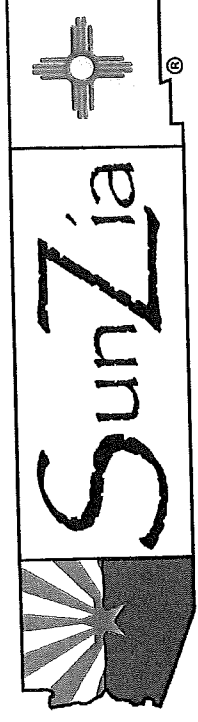
- Update Preliminary POD, Prepare Draft POD (Volume I) – April to June 2017
- Prepare Draft POD (Volume II) – April to August 2017
- BLM Review Draft POD – May to August 2017
- BLM Review Draft Final POD – September to October 2017
- BLM Approve Final POD – December 6, 2017

**Notice to Proceed: December 29, 2017**



# Resource Surveys

- Cultural Resources – Class III Pedestrian Survey
- Biological Resources – ESA/Sensitive Species, Eagle Nests, Native Plants, Noxious Weeds
- Paleontological Resources – Pedestrian Survey of Fossil Localities
- Jurisdictional Delineations – Clean Water Act, Section 404 (ACOE)



[www.sunzia.net](http://www.sunzia.net)



# Supplemental Information



# Underground Locations

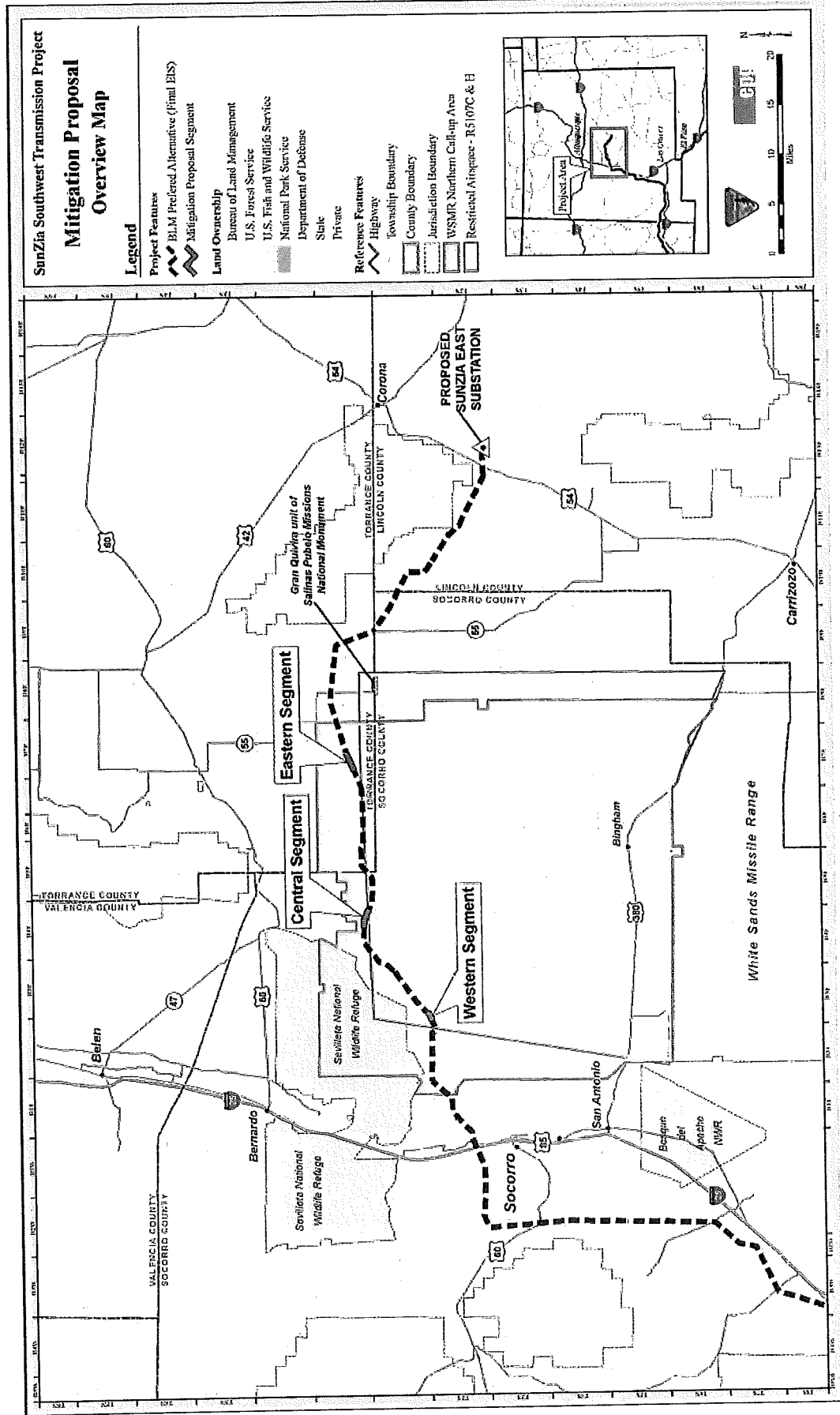


Figure I-1 Overview Map



# BLM Cooperating Agencies in EIS

1. Arizona State Land Department
2. Arizona Game and Fish Department
3. Arizona Department of Transportation
4. Department of the Army, Fort Huachuca
5. Department of Defense, Energy Siting Clearinghouse
6. Department of the Army, Fort Bliss Army Installation Base
7. Department of the Army, White Sands Missile Range
8. U.S. Air Force, Holloman Air Force Base
9. U.S. Fish & Wildlife Service
10. U.S. Army Corps of Engineers
11. Bureau of Indian Affairs
12. National Park Service
13. New Mexico State Land Office
14. New Mexico Spaceport Authority

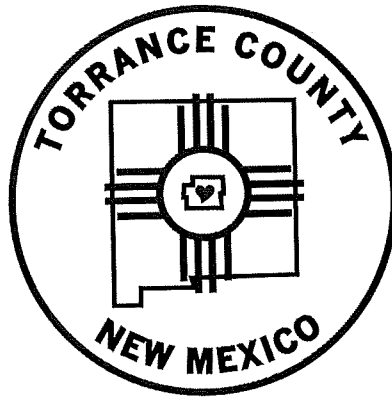


*Agenda Item  
No. 4*

Torrance County  
State of New Mexico

Request for Proposals

## **Audit Services for Torrance County**



**RFP No. 2017-03**  
**Commodity Code: 91804**

Sealed Proposals Submitted to:  
Torrance County Finance & Purchasing Office  
Torrance County Administrative Building  
205 9<sup>th</sup> Street, P.O. Box 48  
Estancia, NM 87016  
ATTN: Leslie Olivas, Purchasing Director

Date Proposals Submitted by:  
Tuesday, May2, 2017  
3:00 P.M.

Proposals must be submitted in a sealed envelope that is clearly marked

**“RFP No. 2017-03 – Audit Services”**



The Board of Commissioners of Torrance County, State of New Mexico is accepting competitive sealed proposals from Independent Public Accountants to perform audits for the fiscal years ended June 30, 2017, 2018, and 2019. Five (5) copies of the proposals should be submitted no later Tuesday, May 2, 2017 at 3:00 p.m. at the Torrance County Finance & Purchasing Office located at 205 9<sup>th</sup> Street, P.O. Box 48, Estancia, NM 87016.

Proposals will be reviewed and ranked by an Evaluation Review Committee. A Recommendation will then be made to the Torrance County Commission for award to the firm whose proposal is determined to be the most advantageous to the County based on the specific evaluation criteria. All firms must be on the New Mexico State Auditor's approved Independent Public Accountants list in order to be considered.

#### A. CONTRACT PERIOD AND RENEWAL OPTIONS

The term of this contract will be for a period of one year from the date the agreement is fully executed. At the end of that time for a period of two years, the County shall have the yearly option of renewing the existing contract by mutual consent, the approval of the Board of County Commissioners, and the approval of the Office of the State Auditor.

#### B. SCOPE OF WORK

The County desires to enter into a contractual relationship with an approved Independent Public Accounting firm to provide audit services including, but not limited to:

1. Financial Statement Audit;
2. Financial Statement Preparation;
3. Federal Single Audit; and

#### C. SEQUENCE OF EVENTS

The Purchasing Director will make every effort to adhere to the following schedule:

ACTION	DATE(S)
1. Issue of RFP	04/13/2017
2. Submission of Proposal	05/02/2017
3. Proposal Evaluation	05/04/2017
4. Contract Award	05/10/2017
5. Protest Deadline	05/31/2017

#### D. EXPLANATION OF EVENTS

The following paragraphs describe the activities listed in the Sequence of Events show in Section C.

1. Issue of RFP  
This RFP is being issued by Torrance County and the Purchasing Department.

2. Submission of Proposal

**All proposals shall be received for review and evaluation by the Purchasing Director or designee no later than 3:00 p.m. on May 2, 2017.** Proposals received after this deadline will not be accepted. The date and time will be recorded on each proposal. Proposals shall be addressed and delivered to the Purchasing Director at the address listed on the cover of this RFP. Proposals shall be sealed and labeled on the outside of the package to clearly indicate that they are in response to "RFP 2017-03 – Audit Services." Proposals submitted by facsimile or via email will not be accepted.

3. Proposal Evaluation

The evaluation of proposals will be performed by an evaluation committee appointed by the Purchasing Director. This process will take place during the dates indicated in the Sequence of Events.

4. Contract Award

After review of the Evaluation Committee's findings, the Purchasing Director will present a recommendation for award of the contract to the Board of County Commissioners on the date indicated in the Sequence of Events. This date is subject to change at the discretion of the Purchasing Director.

This contract shall be awarded to the offeror whose proposal is most advantageous, taking into consideration the evaluation factors set forth in the RFP. The most advantageous proposal may or may not have received the most points.

5. Protest Deadline

Any protest by an offeror shall be timely and in conformance with the New Mexico Procurement Code (13-1-28 through 13-1-199 NMSA 1978). The protest period for responsive offerors shall begin on the day following the execution of the contract and will end at the close of business on **May 31, 2017**. Protests shall be written and shall include the name and address of the protestor and the request for proposals number. It shall also contain a statement of grounds for protest including appropriate supporting exhibits, and it shall specify the ruling requested from the Purchasing Director. The protest shall be delivered to the Purchasing Director as indicated below:

Leslie Olivas, Purchasing Director  
205 9<sup>th</sup> Street, Finance & Purchasing Office  
P.O. Box 48  
Estancia, NM 87016

Protests received after the deadline will not be accepted.

**E. PROPOSAL CONTENT**

Submit the following information as a part of the proposal, as follows:

1. **Capability of Firm.** Submit a statement of resources available to perform audits required, including but not limited to number of firm team members, total audit hours available, a copy of the most recent Peer Review, the most recent Workpaper Review Letter issued by the Office of the State Auditor, and a list of professional references.

2. **Work Requirements and Audit Approach.** Submit an explanation of audit objectives, agency needs, and product to be delivered. Proposals should contain a technical plan and realistic estimate of time to complete major segments of the audit (planning, interim fieldwork, and reporting), plans for using agency staff, and an approach for planning and conducting the work efforts for subsequent years.
3. **Technical Experience.** Submit a statement of governmental audit experience of the on-site manager, team audit experience, and attendance at continuing professional educations seminars or meetings on auditing, accounting, and regulations directly related to state and local government audits.
4. **Audit Fee Proposal.**
5. **Completed Campaign Contribution Disclosure Form.** This form is attached to the RFP.

#### F. EVALUATION

Proposals will be evaluated on the basis of the following criteria. Each proposal may be awarded points up to the amount listed below:

Criteria	Maximum possible points
1. Capability of Firm	30
2. Work Requirements & Audit Approach	15
3. Technical Experience	35
4. Firm Strengths or Weaknesses	10
5. Audit Fees	10

The proposals will be evaluated by a selection committee. A recommendation will then be submitted to the Torrance County Board of Commissioners for award of the contract.

#### G. NOTICE

The Procurement Code (13-1-28 through 13-1-199 NMSA 1978) imposes civil and criminal penalties for its violation. In addition, the New Mexico criminal statues impose felony penalties for illegal bribes, gratuities, and kick-backs.

#### H. QUESTIONS

Questions concerning this Request for Proposals should be directed to Leslie Olivas, Purchasing Director at (505) 544-4730.

## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to NMSA 1978, 13-1-191.1 (2006), any person seeking to enter into a contract with any state agency or local public body **for professional services, a design and build project delivery system, or the design and installation of measures the primary purpose of which is to conserve natural resources** must file this form with that state agency or local public body. This form must be filed even if the contract qualifies as a small purchase or a sole source contract. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

Furthermore, the state agency or local public body shall void an executed contract or cancel a solicitation or proposed award for a proposed contract if: 1) a prospective contractor, a family member of the prospective contractor, or a representative of the prospective contractor gives a campaign contribution or other thing of value to an applicable public official or the applicable public official's employees during the pendency of the procurement process or 2) a prospective contractor fails to submit a fully completed disclosure statement pursuant to the law.

THIS FORM MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.

The following definitions apply:

**"Applicable public official"** means a person elected to an office or a person appointed to complete a term of an elected office, which has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

**"Campaign Contribution"** means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, this is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to either statewide or local office. "Campaign Contribution" included the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or un-reimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

**"Family member"** means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law.

**"Pendency of the procurement process"** means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

**"Person"** means any corporation, partnership, individual, joint venture, association or any other private legal entity.

**"Prospective contractor"** means a person who is subject to the competitive sealed proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

**"Representative of a prospective contractor"** means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

DISCLOSURE OF CONTRIBUTIONS.

Contribution Made By: \_\_\_\_\_  
Relation to Prospective Contractor: \_\_\_\_\_  
Name of Applicable Public Official: \_\_\_\_\_  
Date Contribution(s) Made: \_\_\_\_\_  
Amount(s) of Contribution(s): \_\_\_\_\_  
Nature of Contribution(s): \_\_\_\_\_  
Purpose of Contribution(s): \_\_\_\_\_

(Attach extra pages if necessary)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title (position)

-OR-

**NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE** to an applicable public official by me, a family member or representative.

\_\_\_\_\_  
Type or Printed Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title (Position)

\_\_\_\_\_  
Company Name

County Commission

*Jim Frost  
Commissioner  
District 1*

*Julia DuCharme  
Commissioner  
District 2*

*Javier E. Sanchez  
Commissioner  
District 3*



*PO Box 48 ~ 205 Ninth Street  
Estancia, NM 87016  
(505) 544-4700 Main Line (505) 384-5294 Fax  
[www.torrancecountynm.org](http://www.torrancecountynm.org)*

County Manager  
*Belinda Garland*

Deputy County Manager  
*Annette Ortiz*

County Attorney  
*Dennis Wallin*

**Attachment to Campaign Contribution Disclosure Form**

**Current Torrance County Elected Officials**

Commissioner, District 1 – Jim Frost

Commissioner, District 2 – Julia DuCharme

Commissioner, District 3 – Javier E. Sanchez

Assessor – Betty Cabber

Clerk – Linda Jaramillo

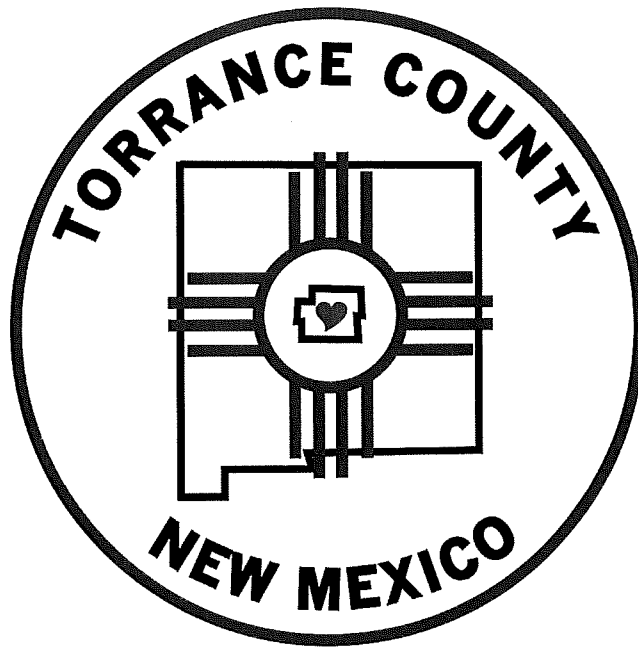
Probate Judge – Jim Summers

Sheriff – Heath White

Treasurer – Tracy L. Sedillo



*Agenda Item  
No. 5*



# UPDATES

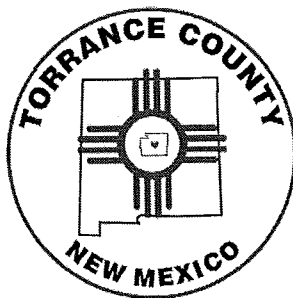
- ✓ Various County Departments
- ✓ Other Boards
- ✓ Forest Service
- ✓ Commission





*Agenda Item*

*No. 6*



State of New Mexico  
County of Torrance  
Resolution # 2017-\_\_

**Authorizing Pre-Payment of Property Taxes**

**WHEREAS**, the Governing Body in and for the County of Torrance, State of New Mexico met in regular session on Wednesday, May 10, 2017; and,

**WHEREAS**, NMSA 1978, Section 7-38-38 sets the due dates of county collected property tax as being due to the County Treasurer in two equal installments due on November 10 of the year in which the tax bill is prepared and on April 10 of the following year; and,

**WHEREAS**, NMSA 1978, Section 7-38-38.2 and Section 7-38-38.3 permits the Board of County Commissioners the authority to provide property owners the option of making pre-payments of property taxes with the adoption of an authorizing resolution; and,

**WHEREAS**, the Torrance County Board of Commissioners and the Torrance County Treasurer agree that the optional pre-payment of property taxes is in the best interest of the County and the County's taxpayers.

**NOW THEREFORE, BE IT HEREBY RESOLVED** that the Board of County Commissioners, Torrance County, State of New Mexico hereby authorizes the pre-payment of property taxes in accordance with NMSA 1978, Section 7-38-38.2 and 7-38-38.3.

**RESOLVED:** In Regular Board Session this 10<sup>th</sup> day of May 2017.

**TORRANCE COUNTY COMMISSION**

\_\_\_\_\_  
**James W. Frost, District 1**

**Attest:**

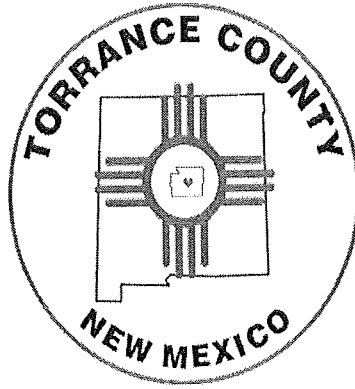
\_\_\_\_\_  
**Julia DuCharme, District 2**

\_\_\_\_\_  
**County Clerk**

\_\_\_\_\_  
**Javier E. Sanchez, District 3**



*Agenda Item  
No. 7*



**TORRANCE COUNTY**

Resolution No. \_\_\_\_\_

**A RESOLUTION**

**AUTHORIZING TORRANCE COUNTY TO SUBMIT AN APPLICATION TO THE DEPARTMENT OF FINANCE AND ADMINISTRATION, LOCAL GOVERNMENT DIVISION TO PARTICIPATE IN THE JUVENILE ADJUDICATION PROGRAM.**

**WHEREAS**, the Legislature enacted Section 34-16-1 NMSA 1978 establishing a juvenile adjudication fund grant program to fund programs providing alternative procedures of adjudication for juveniles charged with traffic offenses and other misdemeanors.; and

**WHEREAS**, the Legislature enacted Section 66-8-116.3 NMSA 1978 as amended, creating the juvenile adjudication fund by assessing fees levied and collected; and

**WHEREAS**, the County/Municipality along with participating agencies is making application to the Department of Finance and Administration, Local Government Division for supplemental program funding.

**NOW, THEREFORE, BE IT HEREBY RESOLVED** that the Governing Body of the County of Torrance, State of New Mexico, hereby authorizes the submission of the FY18 application for the Juvenile Adjudication Fund under the regulations established by the Local Government Division.

**APPROVED AND ADOPTED** by the governing body at its meeting of May 10, 2017.

\_\_\_\_\_  
Commission Chairperson

Attest:

\_\_\_\_\_  
County/Municipality Clerk (SEAL)

**Juvenile Adjudication Fund Grant Program  
Application Cover Sheet  
Local Government Division - DFA**

Date of Application: 10-May-17 Application Number: \_\_\_\_\_  
(DFA use only)

**Contact Person or Program Director:**

Contact Name: Tracey Master  
Name of agency or organization: Torrance County DWI Program  
Address: PO Box 48  
City, State, Zip: Estancia, NM 87016  
Telephone: 505-705-0332  
E-Mail: tmaster@tcnm.us  
Fax: 505-384-5294

**Fiscal Agent:**

Contact Name: Amanda Tenorio  
Name of Fiscal Agent: Torrance County  
Mailing Address: PO Box 48  
City, State, Zip: Estancia, NM 87016  
Telephone: 505-544-4720  
E-Mail: atenorio@tcnm.us  
Fax: 505-384-5294

**Application Information****Program Summary (Please give 2-3 sentence summary of request):**

Torrance County is requesting supplemental funding support the Torrance County Teen Court Program. If awarded, a portion of the funding would enable the county to provide additional services to our teen court participants, in the form of National Safety Council Defensive Driving Course classes, counseling for those who are dealing with substance abuse/mental health issues that impact their behaviors. Funding would also enable Torrance County to provide supervision for some participants to perform community service, as many agencies will not allow unsupervised minors to do so. Lastly, funding is requested to supplement moneys available to pay compensation for the teen court coordinator, as the major source of funding - LDWI - has significantly reduced for FY2018.

Population served: Plan to serve a minimum of 60 at-risk community youth  
Geographic area(s) served: Torrance County and the Moriarty-Edgewood School District

**Budget**

Dollar amount requested: 9,975.00  
Match (cash and/or in-kind): 3,000.00  
Total program budget: 12,975.00

**Authorization**

I authorize the applicant to submit this application for funding from the State of New Mexico. To the best of my knowledge, the information presented in the application is true and correct.

Name of chief official: Javier Sanchez Signature and date: \_\_\_\_\_  
Name of project representative: Tracey Master Signature and date: \_\_\_\_\_



*Agenda Item  
No. 8*



## ***TORRANCE COUNTY***

**RESOLUTION # 2017-**

**Line Item Transfers**

**WHEREAS**, County Departments are requesting line item transfers within their budgeted funds in the FY 2016-17 Budget, and

**WHEREAS**, line item transfers within the same fund require authorization from the Torrance County Commission, and

**WHEREAS**, the attached line item transfers within the same fund are hereby authorized:

(See Schedule A)

**NOW THEREFORE BE IT RESOLVED** by the Torrance County Commission.

**DONE** at Estancia, New Mexico, Torrance County this 10th day of May 2017.

**TORRANCE COUNTY COMMISSION**

\_\_\_\_\_  
**James W. Frost, District 1**

**Attest:**

\_\_\_\_\_  
**Julia DuCharme, District 2**

\_\_\_\_\_  
**County Clerk**

\_\_\_\_\_  
**Javier E. Sanchez, District 3**





















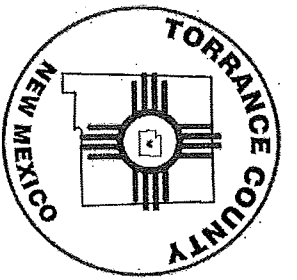












# TORRANCE COUNTY

## Line Item Transfer Form

Requesting Department: \_\_\_\_\_

Treasurer \_\_\_\_\_

My department hereby requests that the following line item transfer(s) be made to the budget:

Line Item Number	Line Item Description	Transfer From:	Transfer To:	Line Item Description	Amount of Transfer
401-30-2205	Mileage/Per Diem			401-30-2201	\$ 250.00
<b>Reason for Transfer:</b>					
Transferring money to tint windows on county vehicle to prevent sun damage to interior.					

Signature *Henry Salinas*

Date *4-17-17*







*Agenda Item  
No. 9*

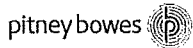




*Agenda Item  
No. 10*



*Agenda Item  
No. 11*



**NJPA State & Local FMV Lease**

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Agreement Number

**Your Business Information**

TORRANCE COUNTY

Full Legal Name of Lessee / DBA Name of Lessee		Tax ID # (FEIN/TIN)	
PO BOX 48	ESTANCIA	NM	87016-0048
Billing Address : Street	City	State	ZIP+4
Lori Archuleta	(505) 544-4701	0015859284	
Billing Contact Name	Billing Contact Phone #	Billing Account #	
205 9TH ST	ESTANCIA	NM	87016
Installation Address (if different from billing address) : Street	City	State	ZIP+4
Lori Archuleta	(505) 544-4701	0012462389	
Installation Contact Name	Installation Contact Phone #	Installation Account #	
	2017-08-01		
PO #	Quote Expiration Date		

**Your Business Needs**

Qty	Item	Business Solution Description
1	DM400C	DM400C Digital Mailing System
1	1FAL	INVIEW 50 DEPT Accounting
1	1FY8	DM400 95 LPM
1	1GW9	10lb Integrated Weighing Feature
1	4CES	US LIVE DM400C BASE - ES2
1	G900	Meter for DM300/DM400/475 Series
1	G9SS	USPS Tracking Services Activation
1	MP9G	Integrated Weighing Platform
1	SBTA	DM400C Digital Meter System
1	SJ40	SoftGuard for DM400
1	STDSL	Standard SLA-Equipment Service Agreement (for DM400C Digital Mailing System)
1	SV5A	DM Series Analytics (50 Accounts)

**Your Payment Plan**

Initial Term: 48 months	Initial Payment Amount:	
Number of Months	Monthly Amount	Billed Quarterly at*
48	\$ 202.20	\$ 606.60

- Tax Exempt Certificate Attached
- Tax Exempt Certificate Not Required
- Purchase Power® transaction fees included
- Purchase Power® transaction fees extra

\*Does not include any applicable sales, use, or property taxes which will be billed separately.

**Your Signature Below**

Non-Appropriations. You warrant that you have funds available to make all payments until the end of your current fiscal period, and shall use your best efforts to obtain funds to make all payments in each subsequent fiscal period through the end of your lease term. If your appropriation request to your legislative body, or funding authority ("Governing Body") for funds to make the payments is denied, you may terminate this lease on the last day of the fiscal period for which funds have been appropriated, upon (i) submission of documentation reasonably satisfactory to us evidencing the Governing Body's denial of an appropriation sufficient to continue this lease for the next succeeding fiscal period, and (ii) satisfaction of all charges and obligations under this lease incurred through the end of the fiscal period for which funds have been appropriated, including the return of the equipment at your expense.

By signing below, you agree to be bound by all the terms and conditions of this Agreement, including the NJPA Contract Number 043012-PIT, effective date July 11, 2012 and the PBGFS NJPA State & Local FMV Lease (including the Pitney Bowes Terms) (Version 8/16) which is available at [www.pb.com/states/njpa](http://www.pb.com/states/njpa) and is incorporated by reference (the "Agreement"). You acknowledge that, except for non-appropriation, you may not cancel this lease for any reason and that all payment obligations are unconditional. This lease will be binding on us after we have completed our credit and documentation approval process and have signed below. This lease requires you either to provide proof of insurance or participate in the ValueMAX@ equipment protection program (see Section L9 of the PBGFS NJPA State & Local FMV Lease) for an additional fee. If software is included in the Order, additional terms apply which are available by clicking on the hyperlink for that software located at [www.pitneybowes.com/us/license-terms-of-use/software-and-subscription-terms-and-conditions.html](http://www.pitneybowes.com/us/license-terms-of-use/software-and-subscription-terms-and-conditions.html). Those additional terms are incorporated by reference.

Not Applicable \_\_\_\_\_  
State/Entity's Contract # \_\_\_\_\_

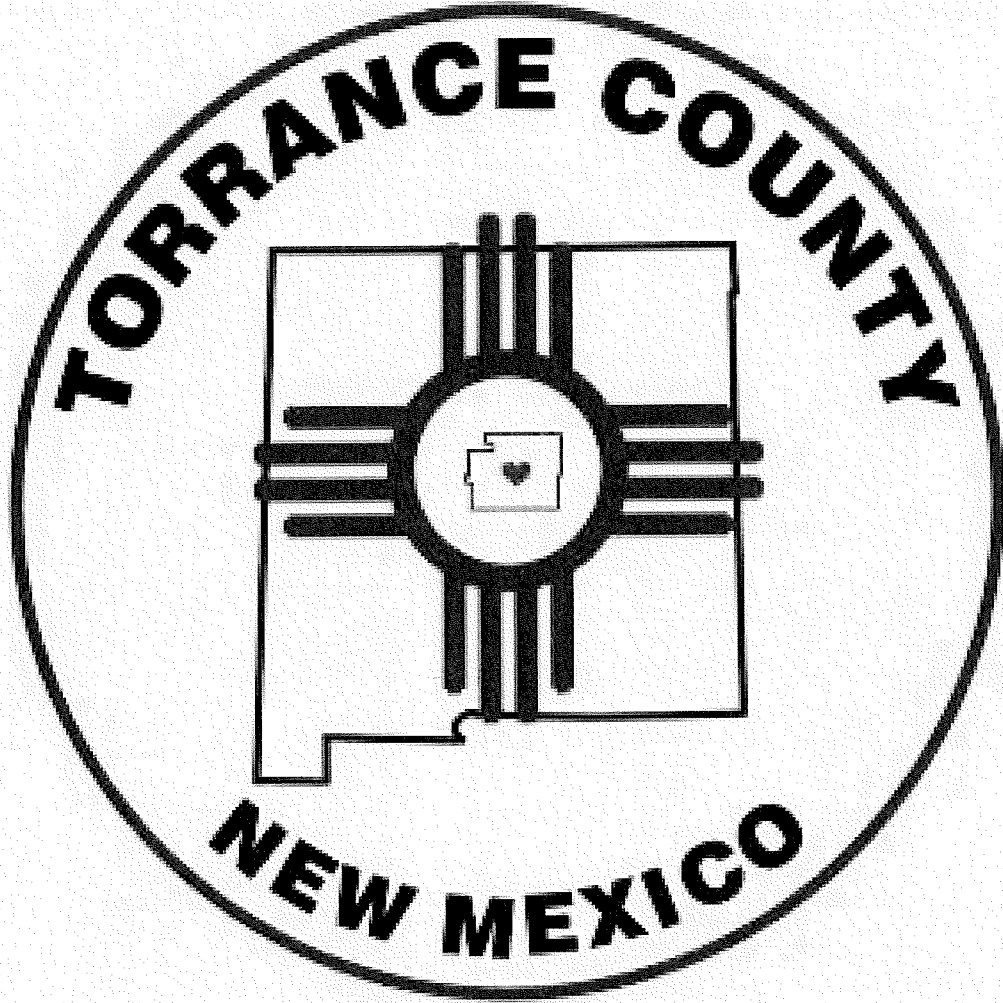
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Lessee Signature  
\_\_\_\_\_  
Print Name  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Date  
\_\_\_\_\_  
Email Address

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Pitney Bowes Signature  
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Print Name  
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Title  
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Date

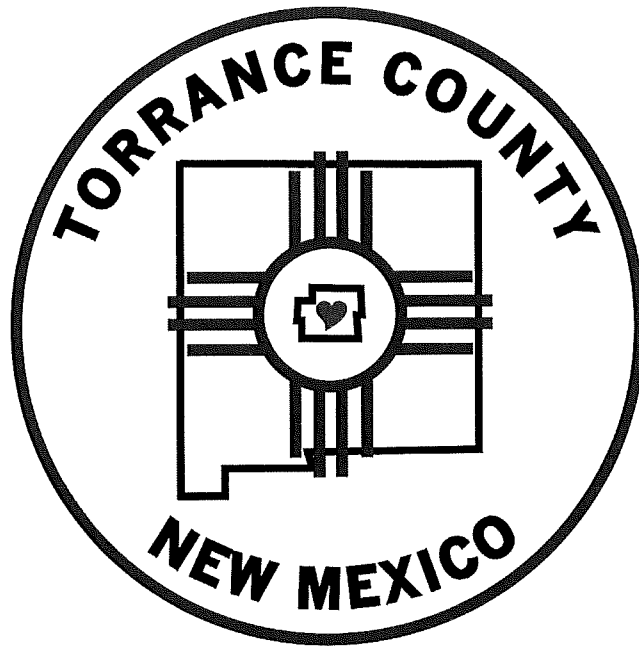
**Sales Information**

Don Phillips don.phillips@pb.com

Account Rep Name Email Address



*Agenda Item  
No. 12*



# COUNTY MANAGER UPDATE