

# **PRESENTATION ON THE TO'HAJIILEE CHAPTER'S NEW SOLAR FARM**

## **Department of Energy's 2010 Tribal Energy Program Review**

### **Denver, Colorado October 27, 2010**



**Delores Apache, President  
Harrison Platero, Secretary  
To'Hajiilee Economic Development, Inc.**

# Why This Site Was Picked

Chapter had already agreed for site to be used for economic development.



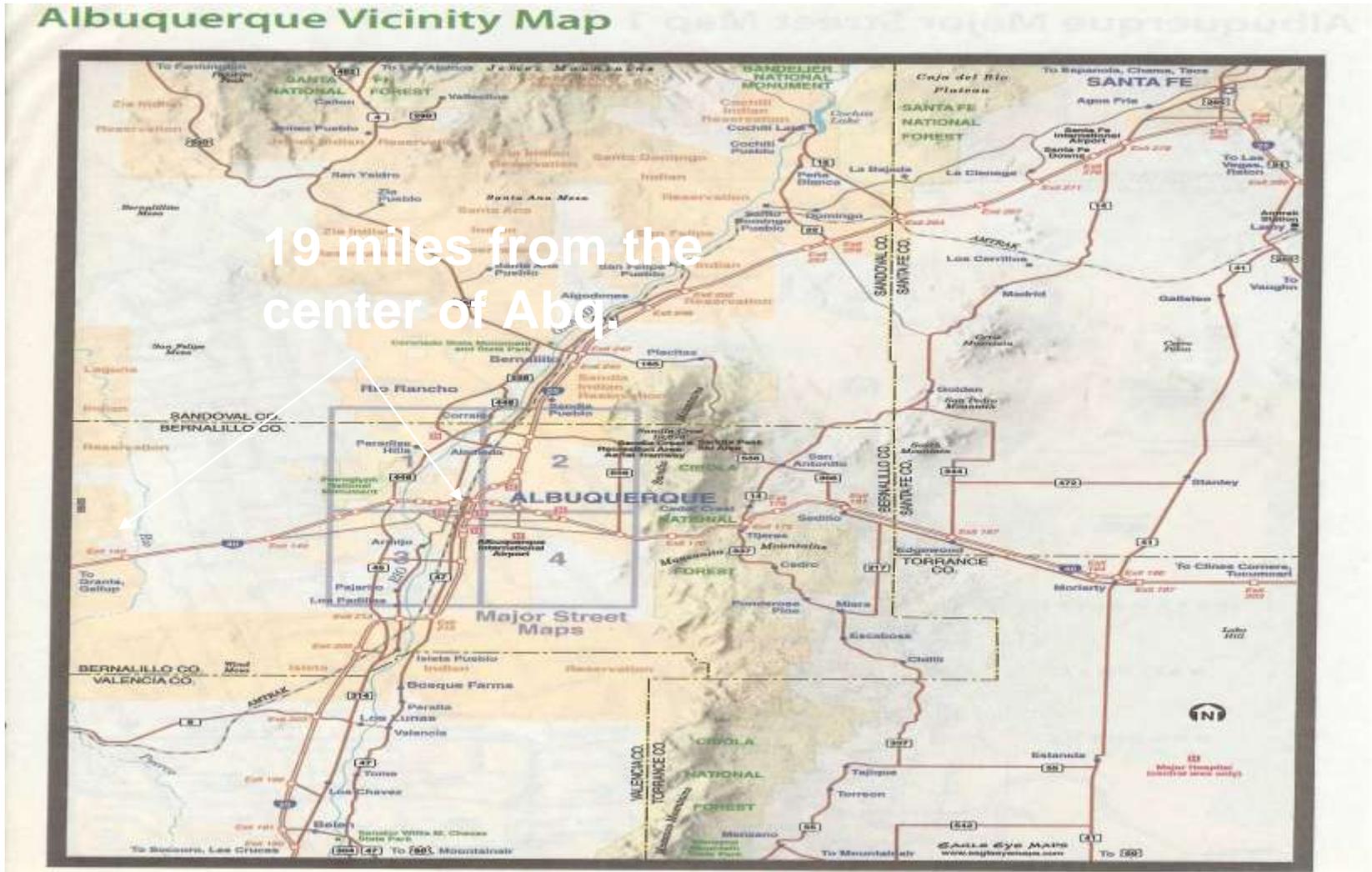


- **Bernalillo County will work with us to get the road paved to trust land.**
- **There is a current 115 kV transmission line going through the Trust land site that has existing capacity.**
- **Site reasonably flat, making land prep expenses reasonable.**
- **Minimal Environmental Assessment issues.**

Goal: To sustain are resource that will help our future our children.



# Distance from Albuquerque



# Brief History

- In early 2008 PNM sought to build solar farms around NM in order to meet state mandates for “green” or renewable energy.
- TEDI participated in the program.
- TEDI was approached by more than a dozen firms looking to put a solar farm on our trust lands.
- Firms from the U.S., Germany, Italy and Spain met with us
- TEDI brought the idea to the Chapter later in 2008.
- The Chapter voted to allow TEDI to use some of the trust lands in the eastern portion of the reservation for a site.
- TEDI continued to work with solar companies thru 2009.
- In summer of 2009 we were awarded a \$250,000 DOE feasibility study grant.

# Steps we have taken so far

1. Needed to determine if transmission line had capacity:
  - A. Worked with WAPA to get initial study done in October of 2009.
  - B. Met with local transmission utility (PNM) to develop working relationship.
  - C. Met with US Senate staffers to inform them of project and get their input on issues affecting them and our project.

# Steps we have taken so far

## Pre-Feasibility Assessment of Renewable Generation Applications, For the Canoncito Band of Navajos (Tóhajiilee)

Prepared for:  
US Department of Energy  
Tribal Energy Program  
And the  
Western Area Power Administration

**Report showed  
existing capacity**

Prepared By:  
James H Charters BA, MS  
And  
Milton F Percival BSEE

# Steps we have taken so far

2. Put together TEDI's development team:
  - A. TEDI Attorney – Gwenellen Janov
  - B. TEDI Energy Attorney – Doug MacCourt
  - C. TEDI Financial Advisor – Rob Burpo
  - D. TEDI Board committed to be very active
    - 1) Monthly Board meetings
    - 2) Quarterly Chapter updates
    - 3) As needed special presentations to Chapter

# Steps we have taken so far

11 Chapter meetings on project

13 conference calls on project

17 board meetings on project

6 site visits with community and solar industry partners

1 site visit to solar panel production facility

3 meeting with BIA on trust land lease

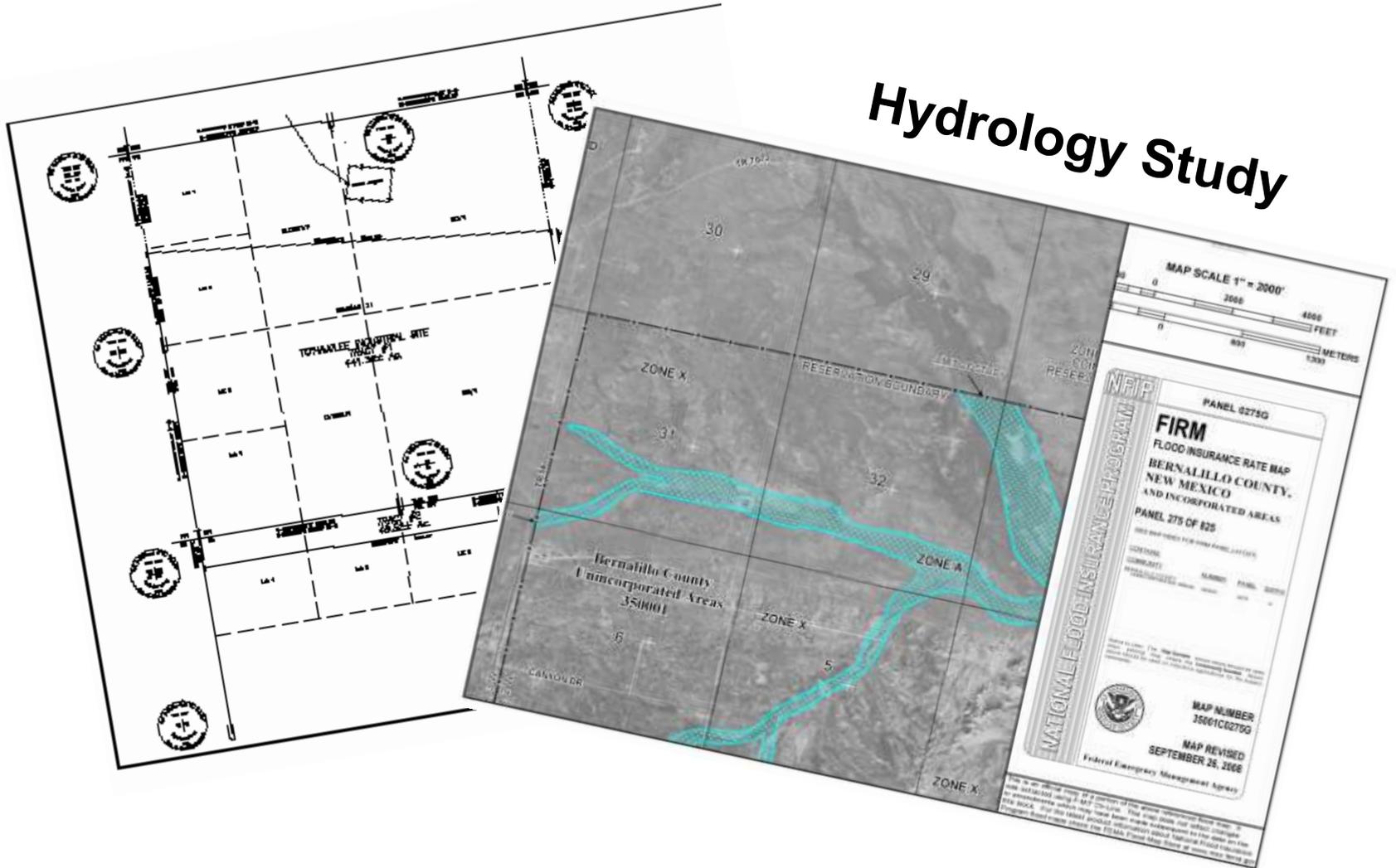
# Steps we have taken so far

## 3. Hired feasibility study consultants:

- A. RCI of Bozeman Montana
- B. Red Valley Survey to prepare surveys for site
- C. SWCA of Albuquerque to do Environmental Assessment
- D. Hired local engineer to do hydrology study
- E. Hired local Chapter member to handle daily project work and attend day meetings when Board members couldn't attend

# Steps we have taken so far

## Hydrology Study



# Steps we have taken so far

4. Entered into an agreement with solar panel provider **SUNPOWER** of San Jose, California:
  - A. Help us with funding for site development.
  - B. Help us with financial modeling based on energy to be generated at site.
  - C. Help us with Power Purchase Agreement discussions and negotiations.
  - D. Help us with site development & construction management.
  - E. Important in approval process with Chapter.

# Steps we have taken so far



## Cañoncito Band of Navajos

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*Raymond K. Rader*  
*Lee H. Rader*  
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*Lee H. Rader*

### RESOLUTION: TOH 10-07-01

RESOLUTION OF THE CAÑONCITO BAND OF NAVAJOS/TO'HAIJILEE CHAPTER APPROVING AND AUTHORIZING APPLICATION BY TO'HAIJILEE ECONOMIC DEVELOPMENT, INC. FOR BUSINESS LEASE ON 489.1 ACRES OF CAÑONCITO BAND LAND LOCATED IN PARTS OF SECTIONS 31 AND 6, IN ACCORDANCE WITH APPLICABLE RULES AND REGULATIONS IN 25 USC AND AS LAND OWNERS, TO DEVELOP AND CONSTRUCT A SOLAR ENERGY PLANT TO PRODUCE RENEWABLE ENERGY ON SAID CBN LANDS

#### WHEREAS:

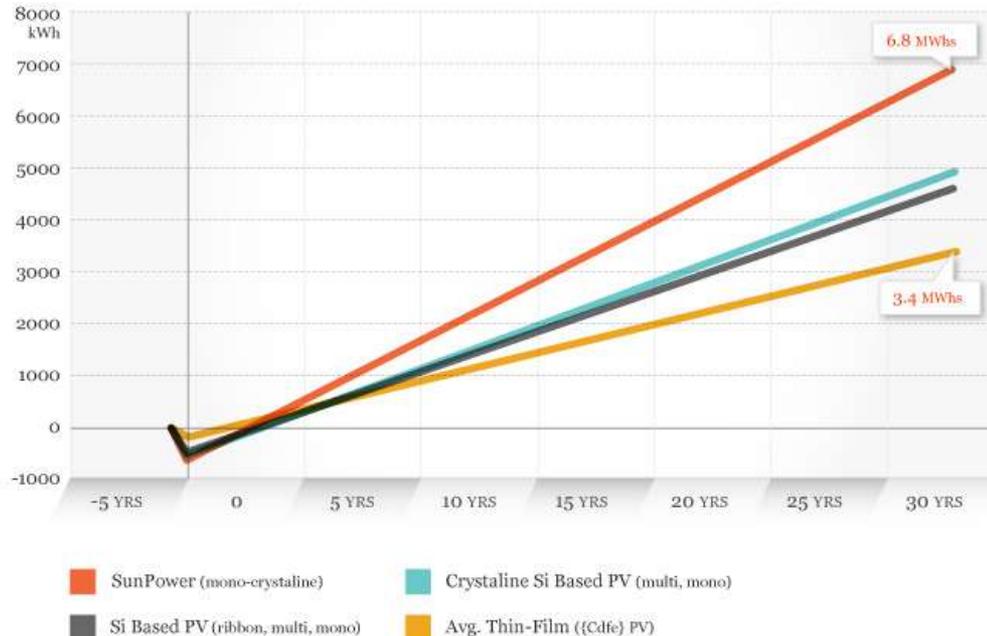
1. The Cañoncito Band of Navajos ("CBN") was granted by the United States Government certain lands in New Mexico to be held in trust for CBN by the Act of August 13, 1949 and with this recognition the CBN/To'Hajilee Chapter government has provided services to the CBN people; and
2. The CBN/To'Hajilee Chapter ("Chapter") government currently provides services to enrolled members of the Cañoncito Band of Navajos; and
3. The Chapter delegated to the To'Hajilee Economic Development, Inc. ("TEDI") the Chapter's responsibility for and performance of economic planning and development and other ventures and activities for the To'Hajilee community and members of the Cañoncito Band of Navajos; and
4. Although TEDI was originally wholly owned by Dine Development Corporation ("Dine"), on September 9, 2009, full ownership was transferred from Dine to the Chapter at no cost to the Chapter, pursuant to CBN Resolution No. TOH-09-09-08-01, dated September 9, 2009, in which the Chapter requested and accepted full ownership of TEDI; and
5. In December 2008, TEDI made a formal request to the Chapter to secure a Business Lease to develop a solar energy project ("the Solar Project") on CBN land located in parts of Sections 31 and 6; and
6. The Chapter approved TEDI's request for a Business Lease at a meeting held on December 18, 2008, but the written resolution approving said request was never signed; and
7. The Chapter wishes to confirm its support of the Solar Project and approval of TEDI's request for a Business Lease for that purpose; and



# Why we picked SunPower

1. TEDI concluded the best partner we had seen over the years.
2. Put it in writing – including financial support.
3. Had most effective power generation system we saw.

SunPower maximizes energy delivery when utilities need it most—during peak demand periods.



# Steps we have taken so far

5. Began negotiations on PPA and financing:
  - A. Meetings with several utilities in local area.
  - B. Preliminary discussions about sales to purchasers.
  - C. Had two in-depth discussions with renewable energy experienced investment banking firm.
  - D. Exploring use of numerous federal tax credit programs to assist in financial viability of project and increased return to Chapter.

# Next Steps

1. Finalize cost modeling to determine rate structure options for PPA.
2. Bring tax attorney on board for study of ownership options for Chapter and investors.
3. Create numerous financing models to determine what will sell best in capital markets and will also generate most net income to Chapter.
4. Meet with possible purchasers of power in our immediate marketplace.

**We (our partners, team & TEDI)  
are very excited about  
To'Hajiilee's  
new solar farm.**

**Thank you DOE for your help!**

