

To: The Federal Communications Commission

From: Tribal Digital Village(SCTCA)

Re: Unlicensed Operation in the Band of 3650-3700 MHz

: ET Docket No. 04-151, ET98-237

I believe the commission is familiar with our network. We have spoken at the WISP showcase in DC, 2003. We have also hosted Chairman Powell and Dr. Pepper at our facilities here at the Tribal Digital Village.

We would like to state that the Tribal Digital Village could benefit greatly from the use of the 3650-3700 MHz area of Spectrum. The power increases for point to point links are specifically addressing problems that will create solutions within our network scheme. It will also allow us to be able to deliver more reliable links over distance to the underserved Tribal Communities of San Diego. As you know, our reservations are very rural, and rather remote, so this technology effectively builds a better bridge over the “Geographical Divide” that our communities face due to reservation assignment locations.

The Tribal Digital Village would like to Disagree with a what seems to be the direction of “Professional Installer” requirements that are being set. This is a very cost prohibitive step in making an unlicensed spectrum available to underserved communities such as Tribes. As you already know, most Tribes are disadvantaged financially, but we are not disadvantaged technically. We feel that the “Professional Installer” Requirement limits the availability of this part of the spectrum to the “little guy.” We urge you to reconsider.

Furthermore, the Tribal Digital Village would like to Agree with the Comments Made by NYC Wireless, on this very issue, in full.

Please review the remaining pages of this PDF Document to get a brief overview of the Tribal Digital Village and view some of the network in it’s current state for reference to our need for this area of the spectrum with associated power allowances.

Respectfully,

Tribal Digital Village(SCTCA)

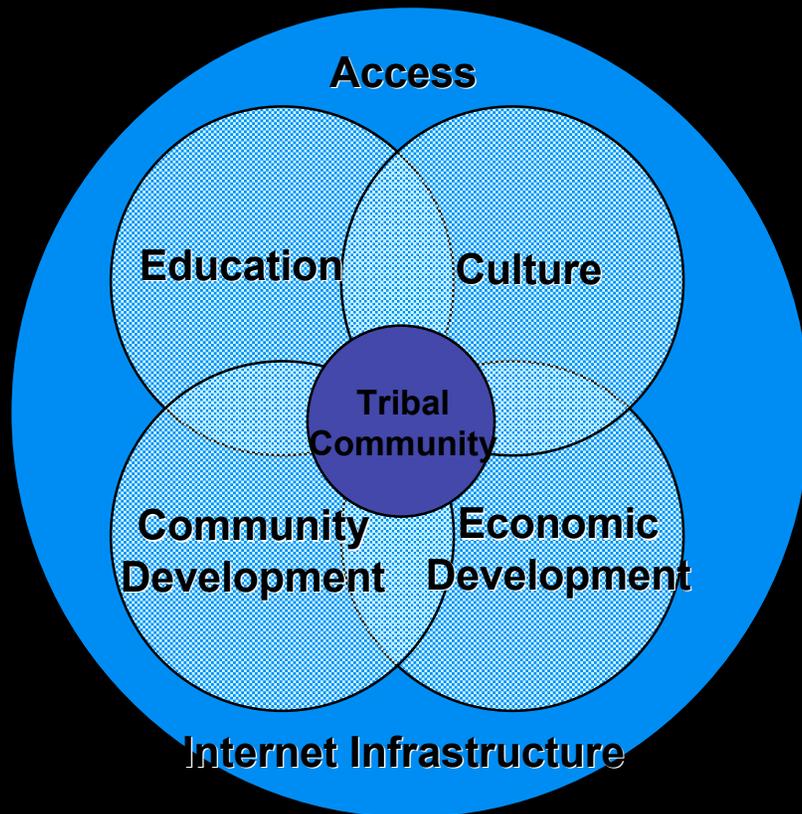


# S.C.T.C.A.

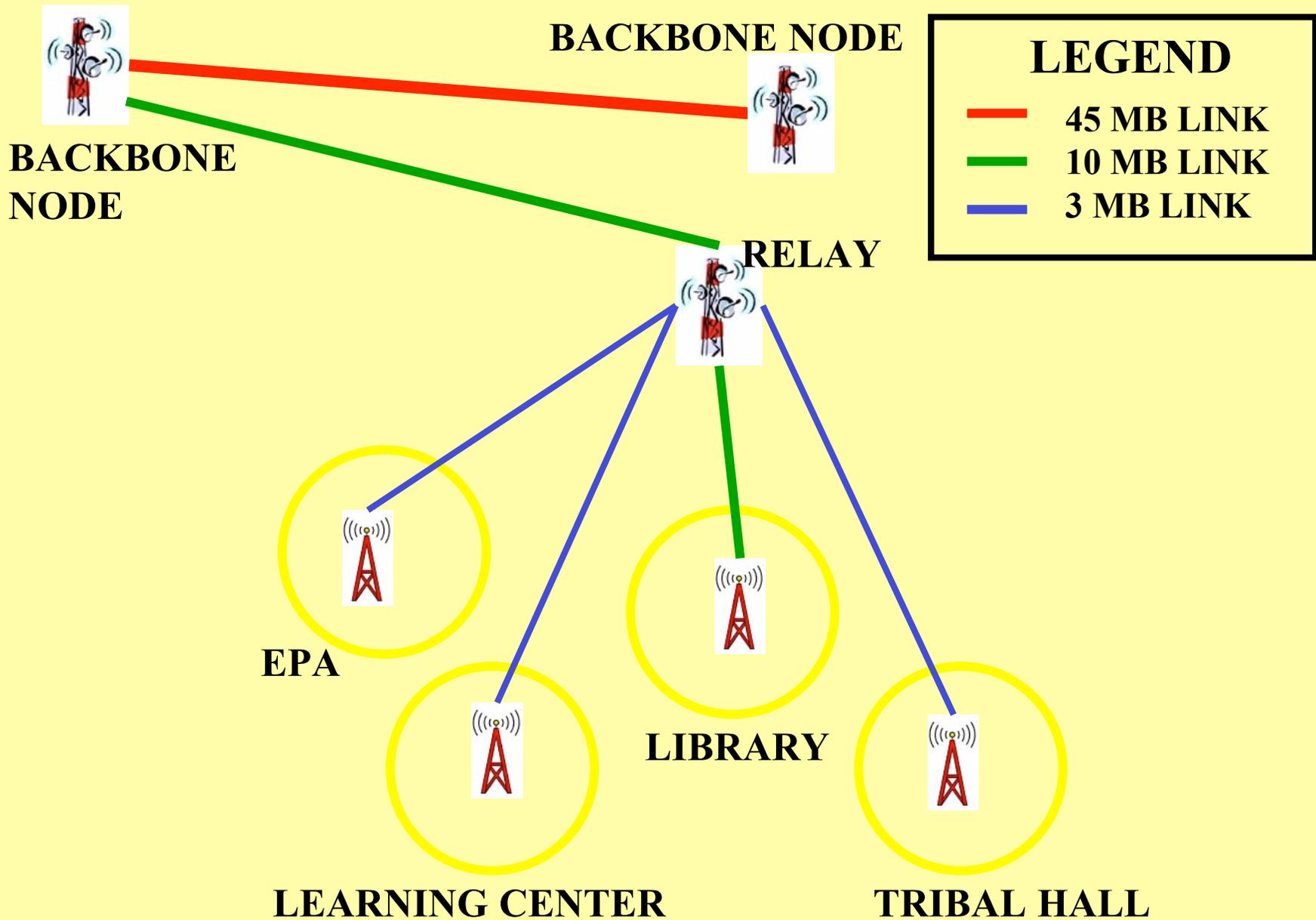
- **SOUTHERN CALIFORNIA TRIBAL CHAIRMEN'S ASSOCIATION**
- **Consortium of the 18 Federally Recognized Tribes in San Diego County, Combined Population 15,000**
- **Each Tribe is a Sovereign Nation**
- **Received a Digital Village Grant from Hewlett Packard in 2001 - 3 YR. / \$5 Million(4m equipment/1m cash)**
- **Created the Tribal Digital Village Program to Digitally Connect and Unite the 18 Tribes of San Diego County Thru Infrastructure, Education, Culture, Community and Economic Development**



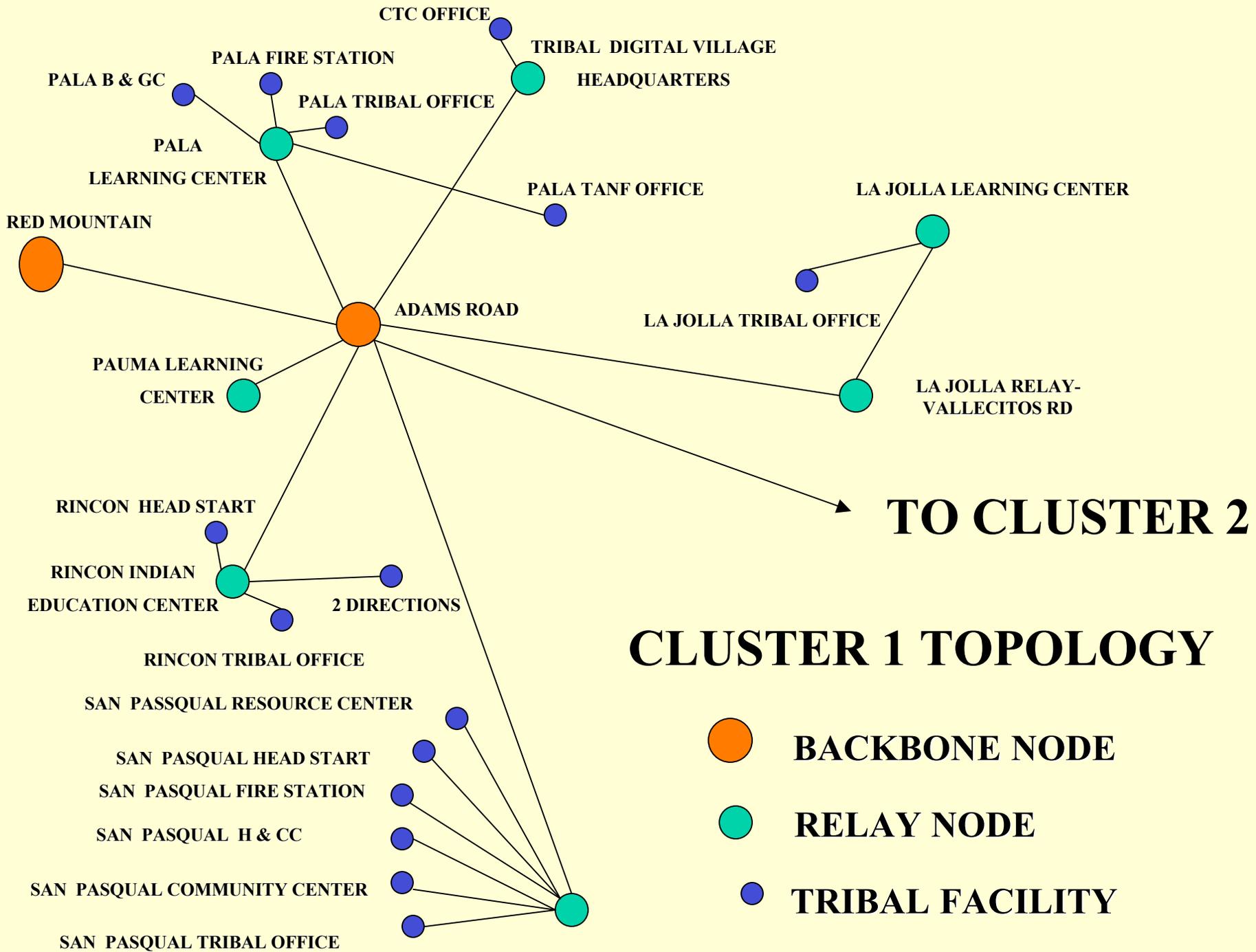
# Tribal Digital Village Project Goals



- **access:** build a high-speed, intertribal wireless network backbone and connect all reservations to the internet.
- **culture:** maintain and express traditions; link urban dwellers to community events at home; digital preservation of culture.
- **education:** distance learning capability; community technology training; youth tutoring/mentoring using technology.
- **community services:** email for residents; interactive online tribal calendars; enhancing tribal government productivity through technology.
- **economic development:** providing job training, development and support of large tribal business and individual small businesses



**EXAMPLE CONFIGURATION**



CTC OFFICE

PALA FIRE STATION

TRIBAL DIGITAL VILLAGE

PALA B & GC

HEADQUARTERS

PALA TRIBAL OFFICE

PALA

PALA TANF OFFICE

LEARNING CENTER

LA JOLLA LEARNING CENTER

RED MOUNTAIN

ADAMS ROAD

LA JOLLA TRIBAL OFFICE

PAUMA LEARNING

LA JOLLA RELAY-  
VALLECITOS RD

CENTER

RINCON HEAD START

**TO CLUSTER 2**

RINCON INDIAN

**CLUSTER 1 TOPOLOGY**

EDUCATION CENTER

2 DIRECTIONS

RINCON TRIBAL OFFICE

SAN PASQUAL RESOURCE CENTER

**BACKBONE NODE**

SAN PASQUAL HEAD START

**RELAY NODE**

SAN PASQUAL FIRE STATION

SAN PASQUAL H & CC

**TRIBAL FACILITY**

SAN PASQUAL COMMUNITY CENTER

SAN PASQUAL TRIBAL OFFICE

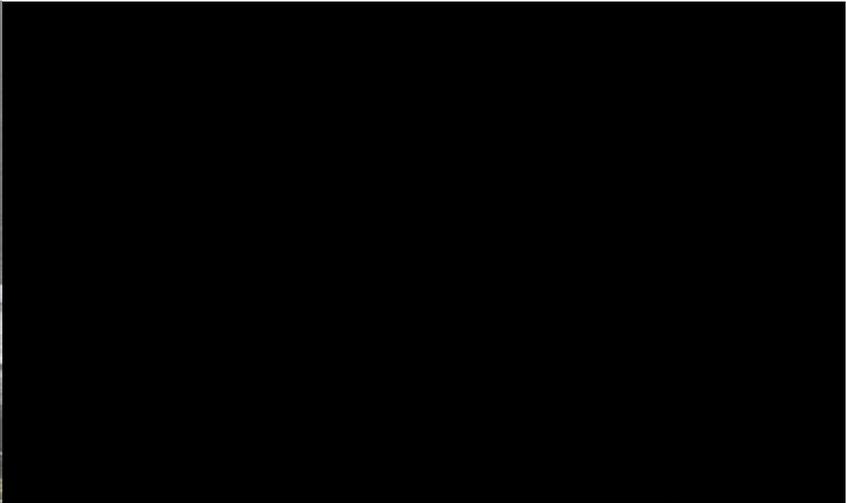






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# **Network Management**

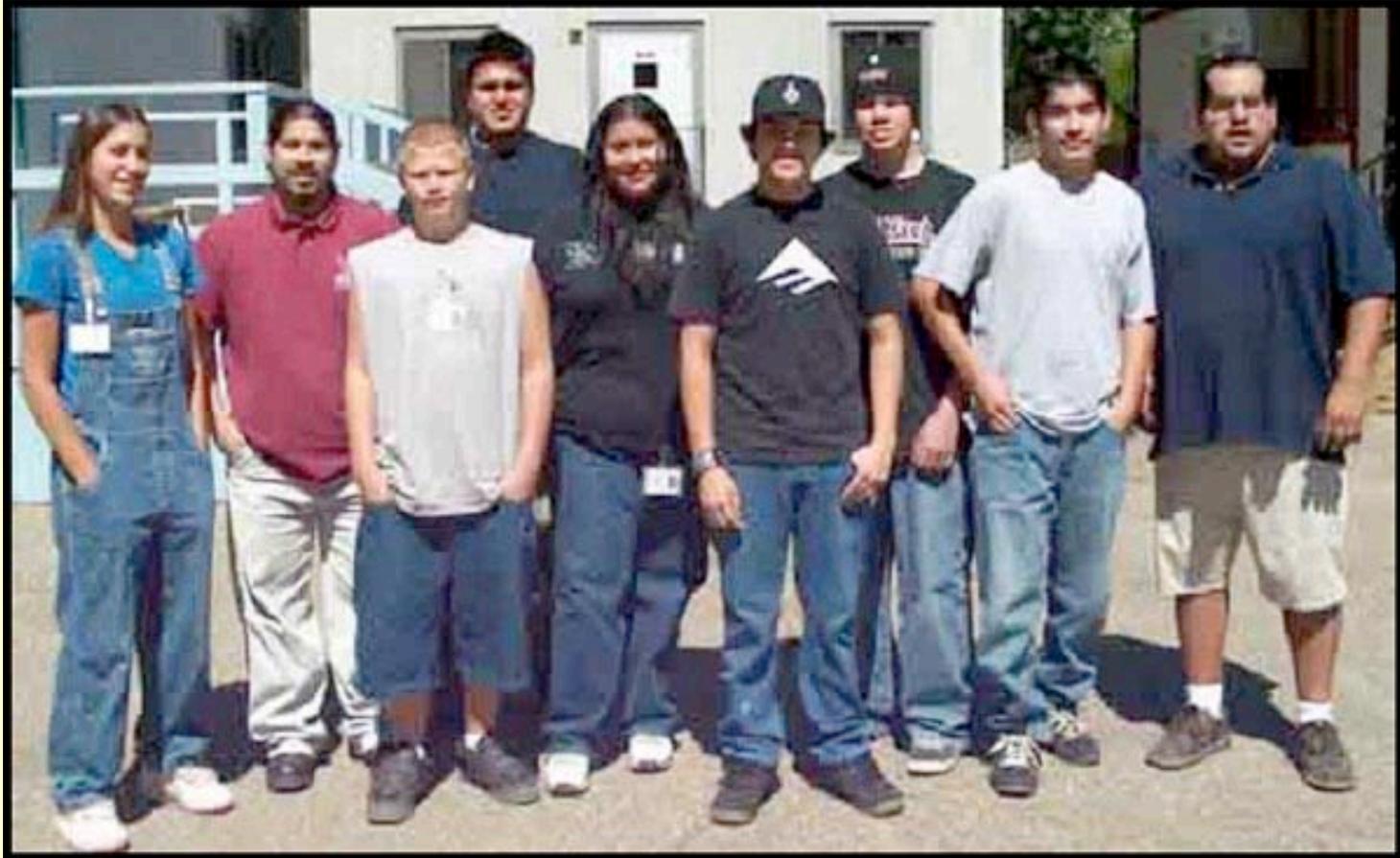
- 1) Physical  
Equipment**
- 2) Routing of  
Bandwidth**
- 3) Traffic  
Monitoring  
Virus Watch**



# **TDV NETWORK OVERVIEW**

- **200+ MILES OF POINT TO POINT & POINT TO MULTI-POINT LINKS**
- **15 BACKBONE AND RELAY SITES**
- **20 NETWORK SERVERS**
- **56 BUILDING CONNECTIONS**
- **1000+ COMPUTERS CONNECTED TO TDV'S NETWORK**
- **1,500+ USERS**
- **45Mbs of Bandwidth (Fiber at the head end with wireless distribution)**

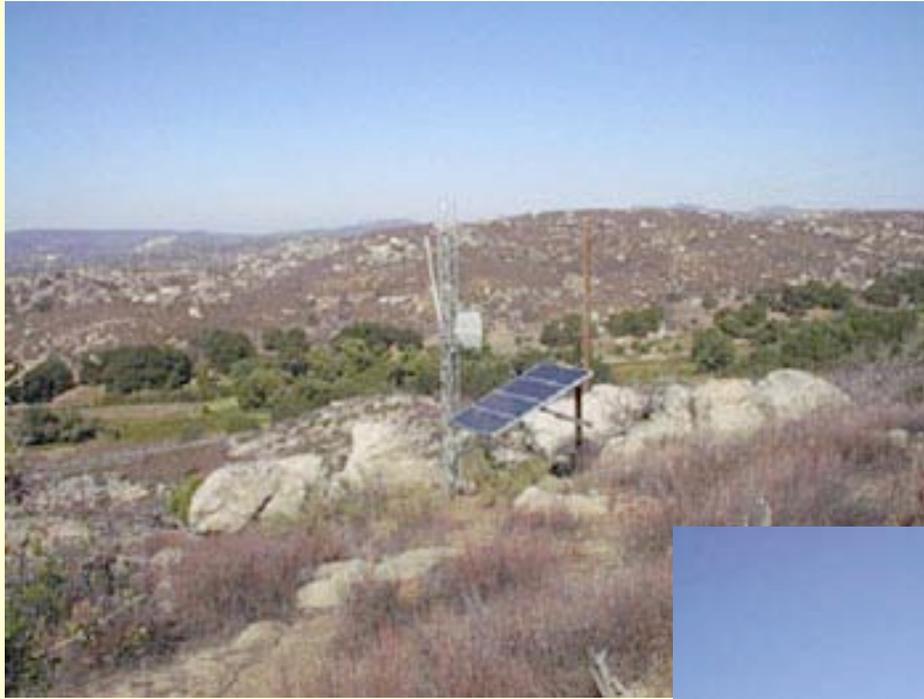
# 2002 Tribal Digital Village Shadow Project



Pictured from left to right: Kelly Bennett, Jason Peralta, Michael Riddlespurger, Ben Linton, Savannah Salgado, Andrew Castillo, James Cuero, Joseph Peralta, and Michael Peralta. Not Pictured Matt Rantanen and Daniel Tsosie



# Intermediate Distribution Towers



**Built 100%  
by Tribal  
Youth.  
Our Future!**

# **THE NETWORK'S SUCCESS**

- **Tribally Owned and Operated**
- **All on Tribal Reservation Land**
- **Investigation, Design, and Implementation Done Completely by Tribal Members**
- **Created Opportunity for Tribal Digital Village Community Members to Gain Exposure to Information Technology and WWWeb Exposure**
- **Provided Opportunities for Tribal Youth to Have Job Training Experience in Previously Non-Existing Career Choices in the Computer Industry**
- **We are growing a Community Web Portal**

# Tying the Network to the Community

**Tribal Digital Village**  
Welcome to the Tribal Community Web Portal Southern California Tribal Chairmen's Association

**RezMail**  
**Calendar**  
**News**  
**Search**  
**Messenger**  
**Discussion**  
**Home**

**TDV Resources**  
About Tribal Digital Village  
Shadow Project  
N.A.E.N. - RezTV  
TDV eCards - Art Contest  
First Voices  
TDV Partners and Affiliates  
Frequently Asked Questions(FAQ's)

**General Info:**  
TDV has brought High Speed Variable Data Digital Printing to San Diego. ...

**News(Native American Issues)**  
**Tribes take to wireless web** As with other rural areas of the US, wiring Native American reservations fo...  
**TDV gets a Wemmy!** Tribal Digital Village has deployed wireless broadband links between 13 of...

**Tribal Resources**  
Resource Program  
S.C.T.C.A.  
T.A.N.F.  
Health  
Higher Education and Local Schools  
Museums  
History  
Culture  
Library  
A.I.R. American Indian Recruitment  
Legal Services  
Summer Youth Academy(2001)

**TDV Community**  
Cahuilla  
Los Coyotes  
Cupeño/Luiseño  
Pala  
Luiseño  
La Jolla  
Pauma  
Rincon  
Kumeyaay  
Barona  
Campo  
Cuyapaipe  
Inaja-Cosmit  
Jamul  
La Posta  
Manzanita  
Mesa Grande  
San Pasqual  
Santa Ysabel  
Sycuan  
Viejas

**Current Events**  
Men & Women's Wellness  
Conference VI  
Holiday

Click here to **Logon:**

more...  
more...

# **THE NETWORK'S SUCCESS (continued)**

- **National & Global Awareness**



**FCC Chairman  
Michael Powell**

## WCAI "WEMMY": Serving Underserved Businesses (Specifically Tribal Operations)



Dwight Lomayesva, Michael Peralta, Ben Linton TDV Infrastructure Team