

# **Colorado River Transmission Planning Committee**

## **Status Update**

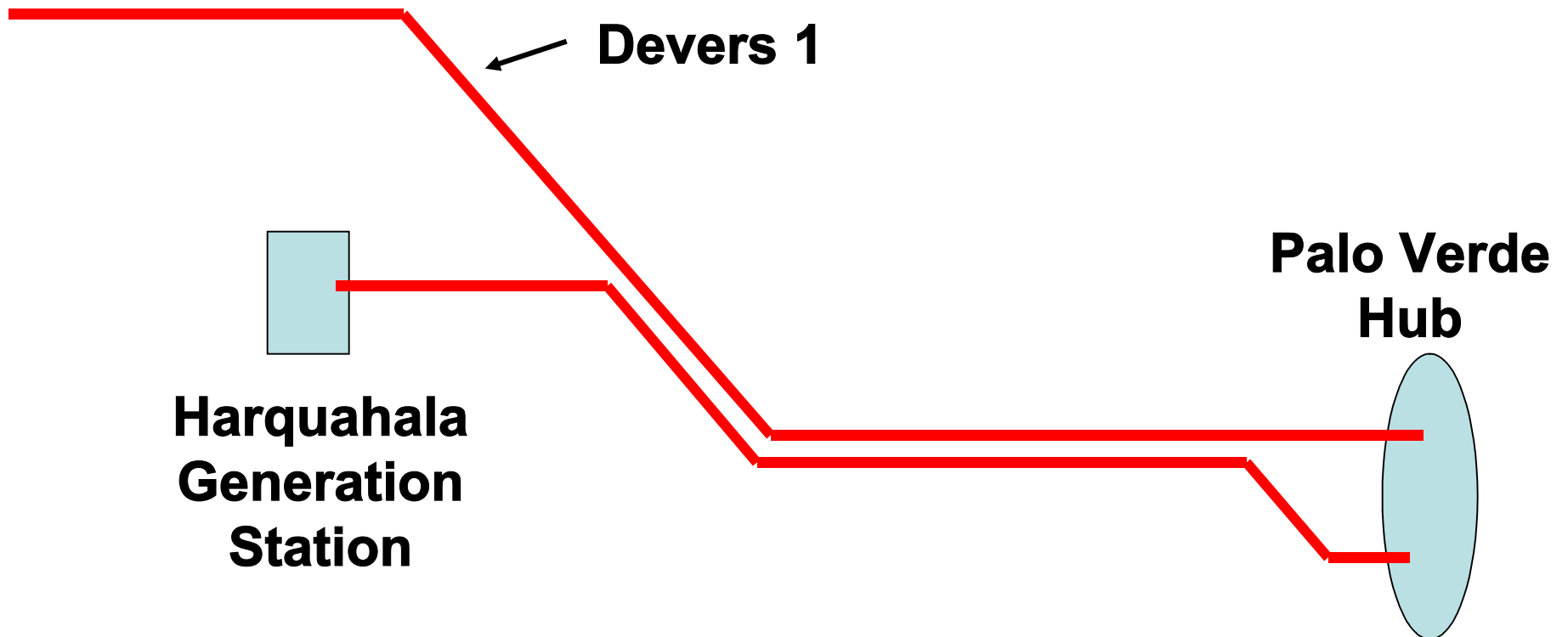
**STEP – October 28, 2005**

# Projects Not On The Agenda

- **Palo Verde - TS-5**
- **Western Customer Study**

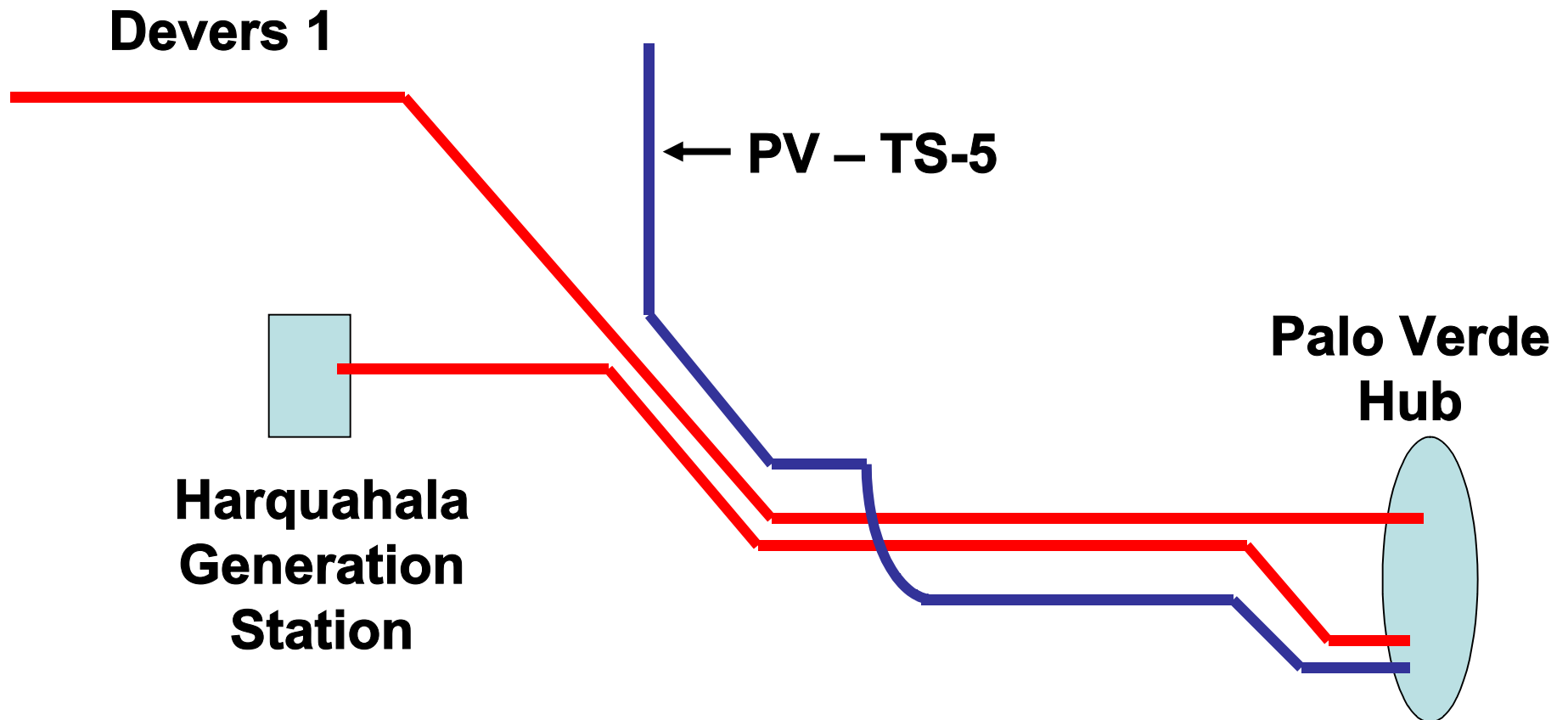
# Palo Verde - TS-5

## Present Line Configuration



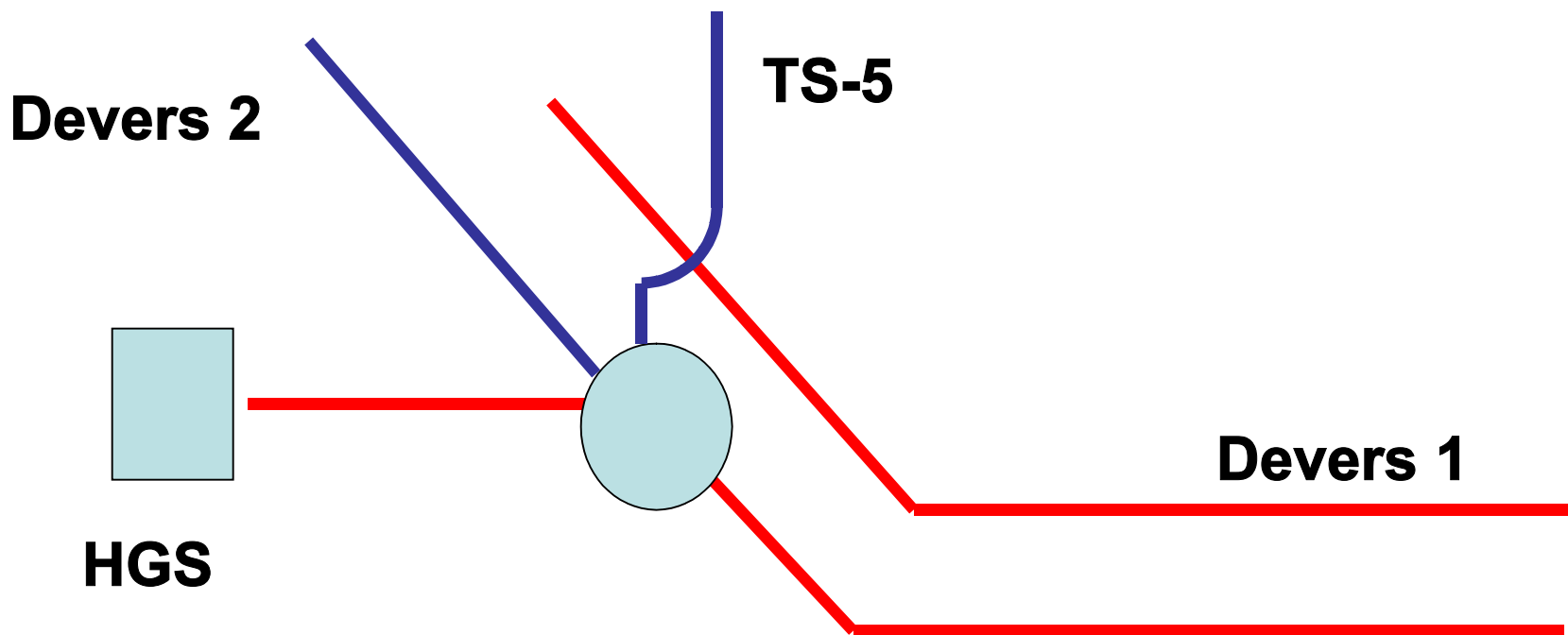
# Palo Verde - TS-5

## Stand Alone Option



# Palo Verde - TS-5

## Harquahala Junction Alternative



# **Palo Verde - TS-5**

## **Existing Harquahala-Palo Verde Circuit Shared By:**

- Harquahala Generating Station
- Devers 2
- TS-5 Participants

# **Palo Verde - TS-5**

- **Existing Circuit Rating – 2700 MW**
- **Interest**
  - **DPV2 – 1500 MW to Devers**
  - **Harquahala – 1070 MW to PV**
  - **TS-5 – 1000 MW Bi-directional**

# **Western Customer Study**

**Purpose is to Address the Needs of  
the Load Serving Entities in the  
Mohave County Region of Arizona**

# Participants' Interest

**S. Nevada**

**MEC - 100**

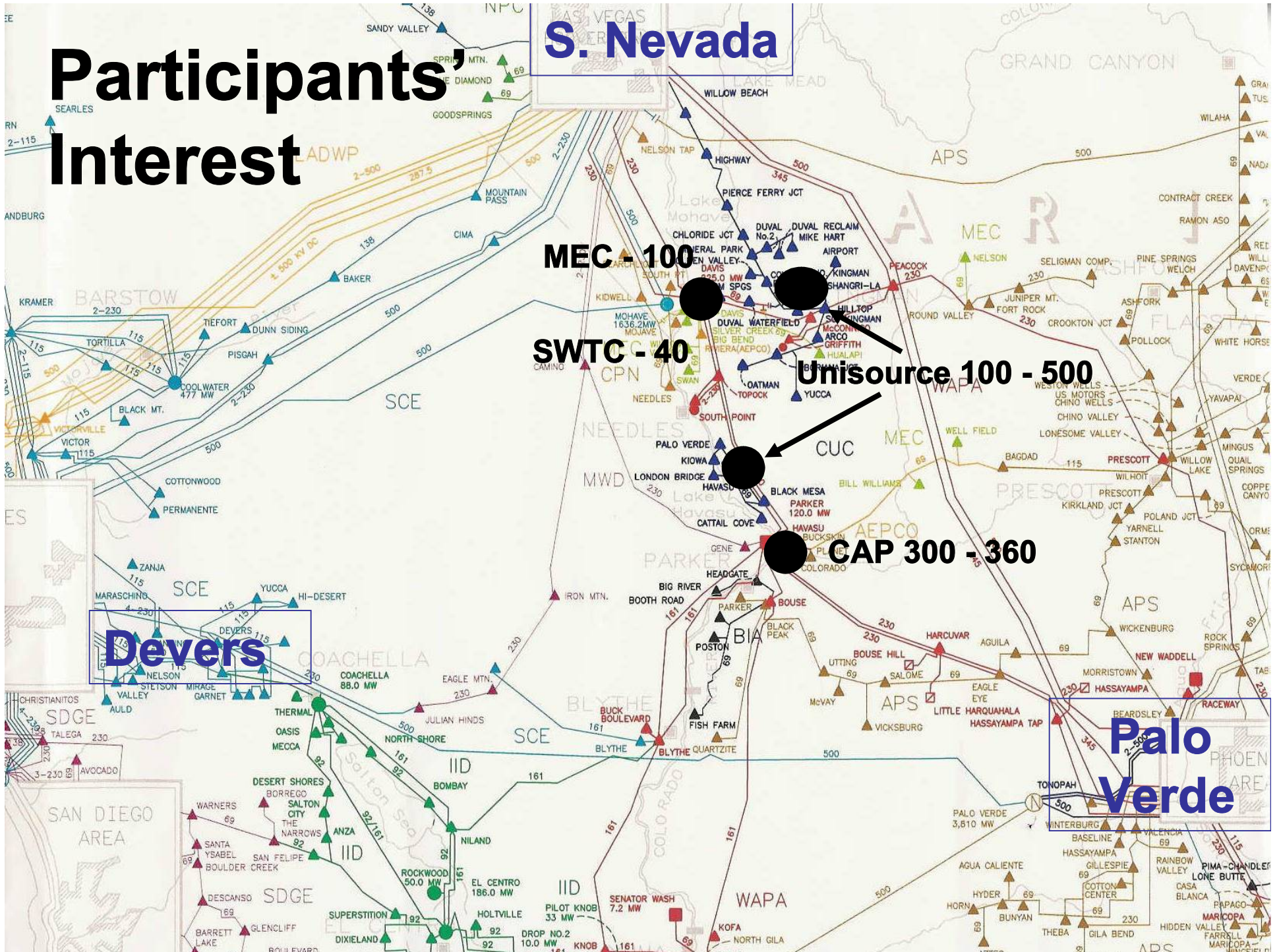
**SWTC - 40**

**Unisource 100 - 500**

**CAP 300 - 360**

**Devers**

**Palo Verde**



# **Western Customer Study**

- **Preliminary Results Presented**
- **3 Modifications Considered**
- **Results Look Promising**
- **Participants Requested Additional Analysis**

# KAB's Commentary

**Bathroom**

**Break !!!!!**





- **Optimist**

- Half Full

- **Pessimist**

- Half Empty

- **Engineer**

- Glass is Twice as Big as it Needs to Be

# Analogy

- **Glass**
  - **EOR Rated Capacity**
- **Water**
  - **Annual Operating Capability**

# ISSUE

**Are We Designing A System We  
Can Rarely Use????**

# **Transmission Planner's Objective**

**Stress the System to Maximize Flow**

**Time Duration – 1 Hour**



# East-of-River Path 49

**7550 – Current Rating**

**+505 – Path 49 Upgrades**

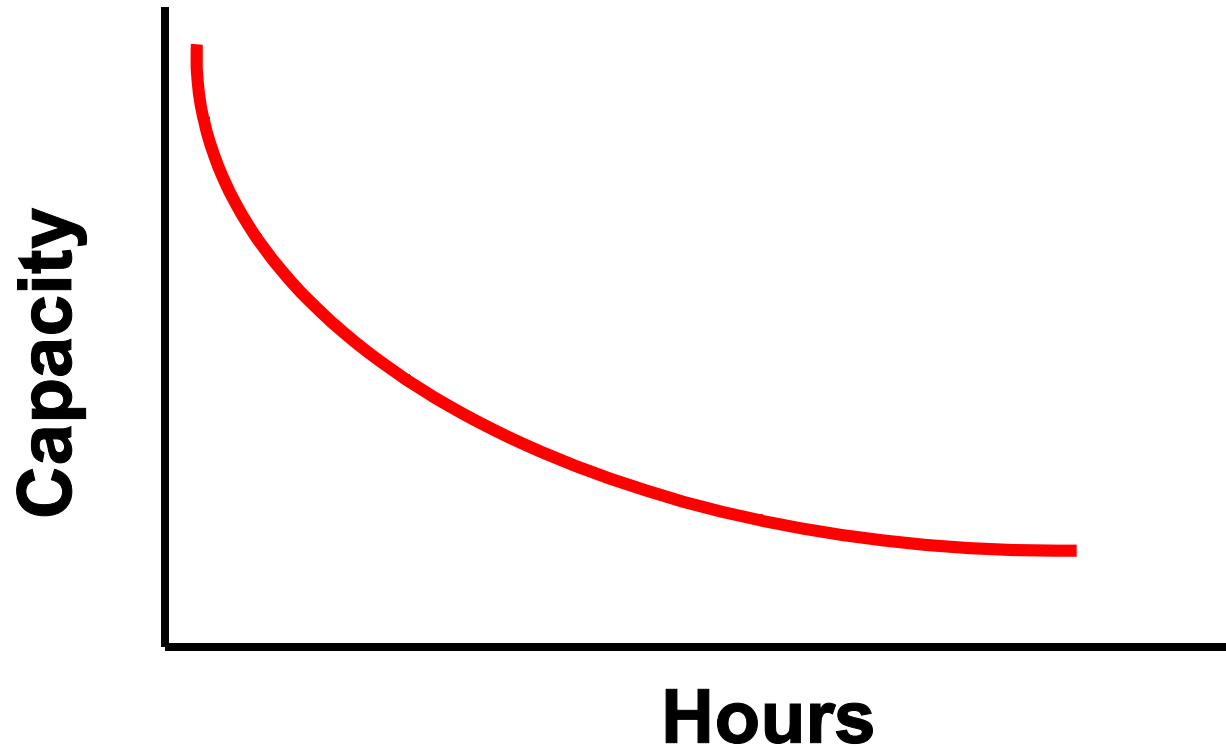
**+1245 – EOR 9000**

**+1200 – Devers 2**

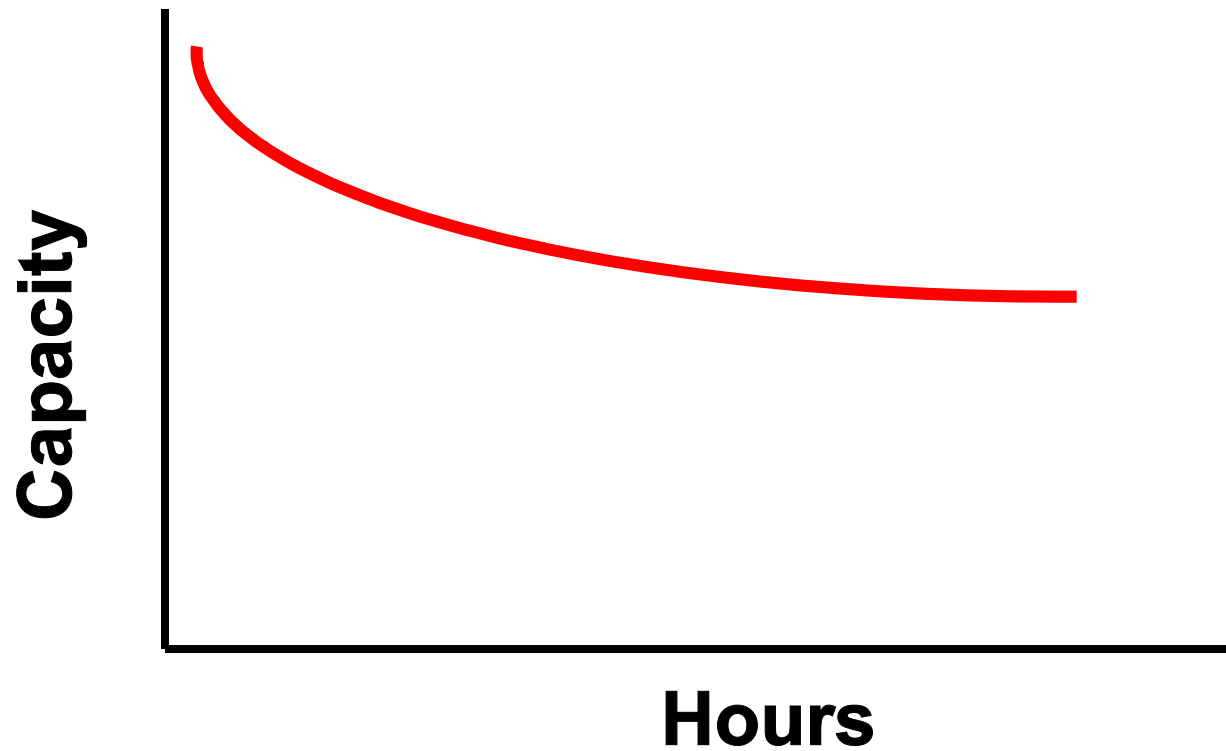
**10500 – Total Potential Rating\***

**\* Not including Hassayampa-Yuma or potential of Moencopi-Eldorado upgrade**

# Practical Annual Utilization



# Practical Annual Utilization



**QUESTION ?????**

**How Realistic Is That  
“One Hour”?????**

# End of KAB's Commentary

**Bathroom**

**Break Over**

