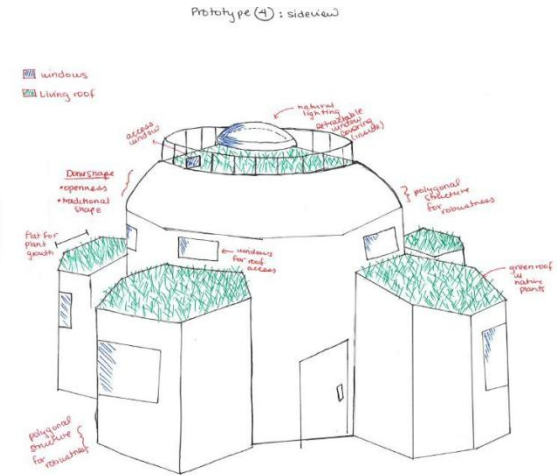
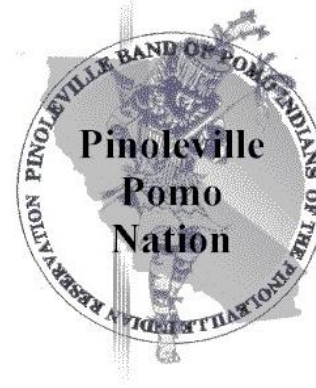


PPN Case Study

- Multi-tribal
- Small pilot projects to test principles, build support, develop capacity
- Integrated approach touching multiple tribal goals: economic/energy self-sufficiency, political sovereignty, cultural integrity
- Co-design process
 - Tribal citizens as experts/designers
 - Centering cultural values
 - Providing educational opportunities



Training the Next Generation

- Youth Workshop



Collecting Data

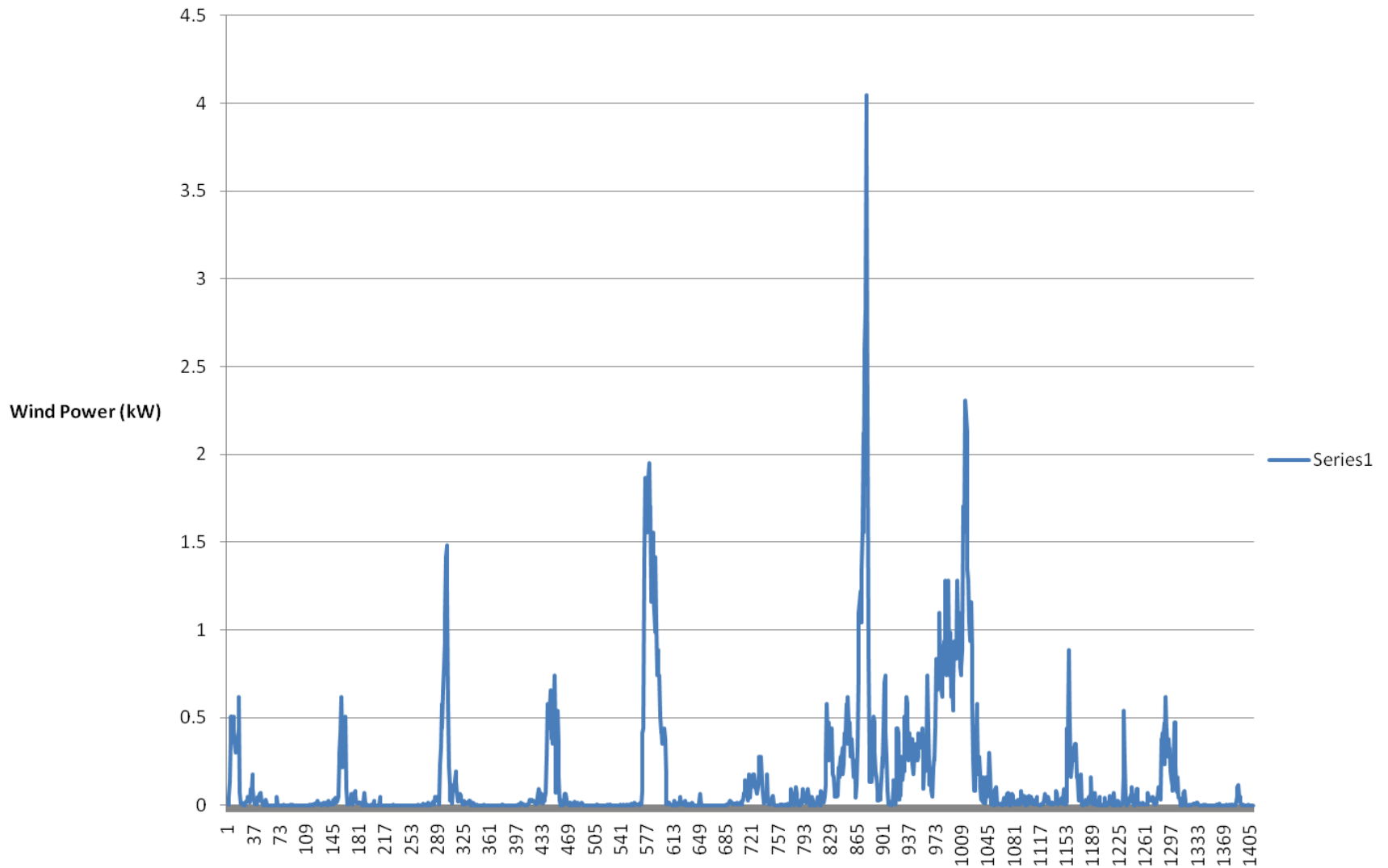


Collecting Data

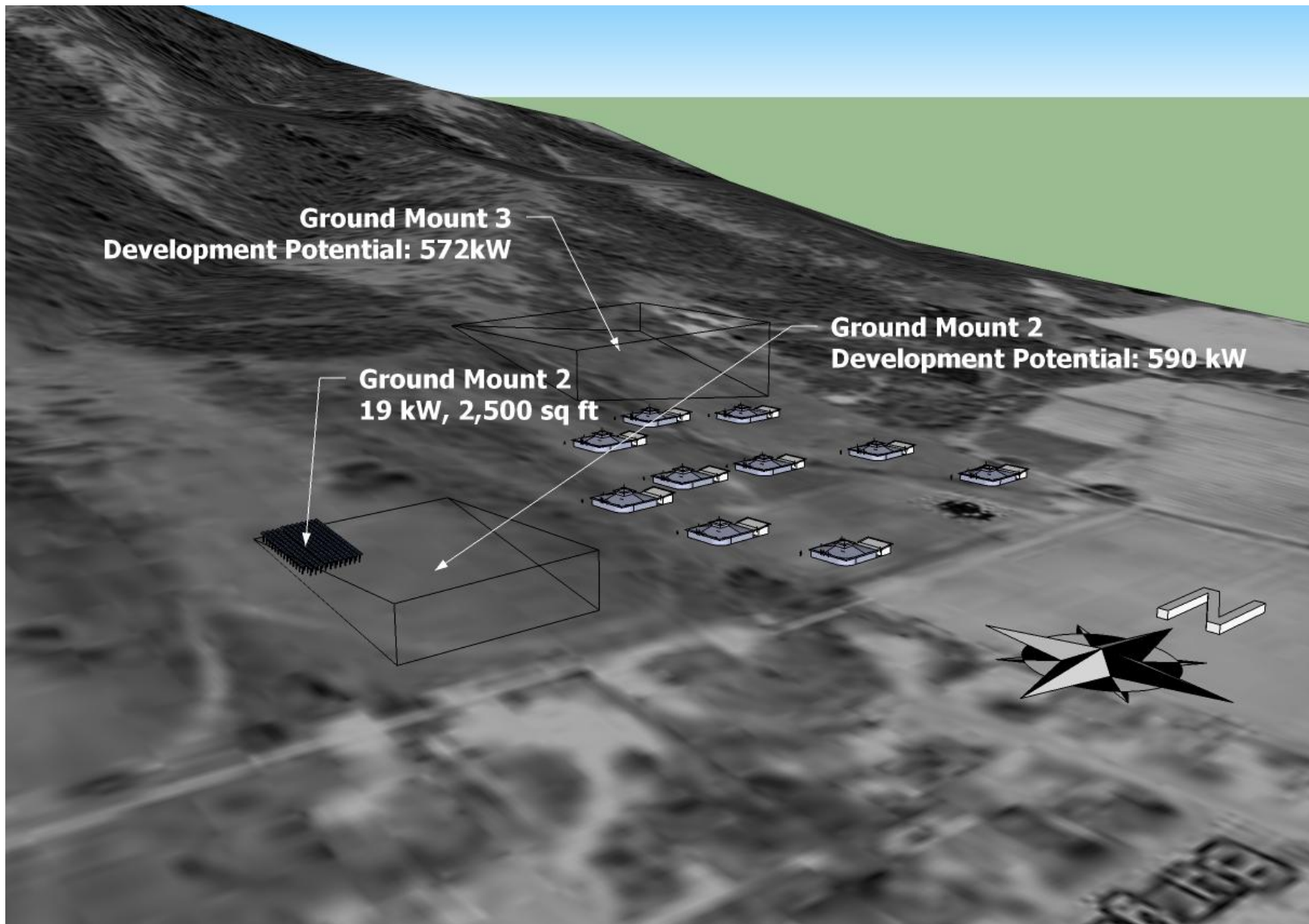


Analyzing Data

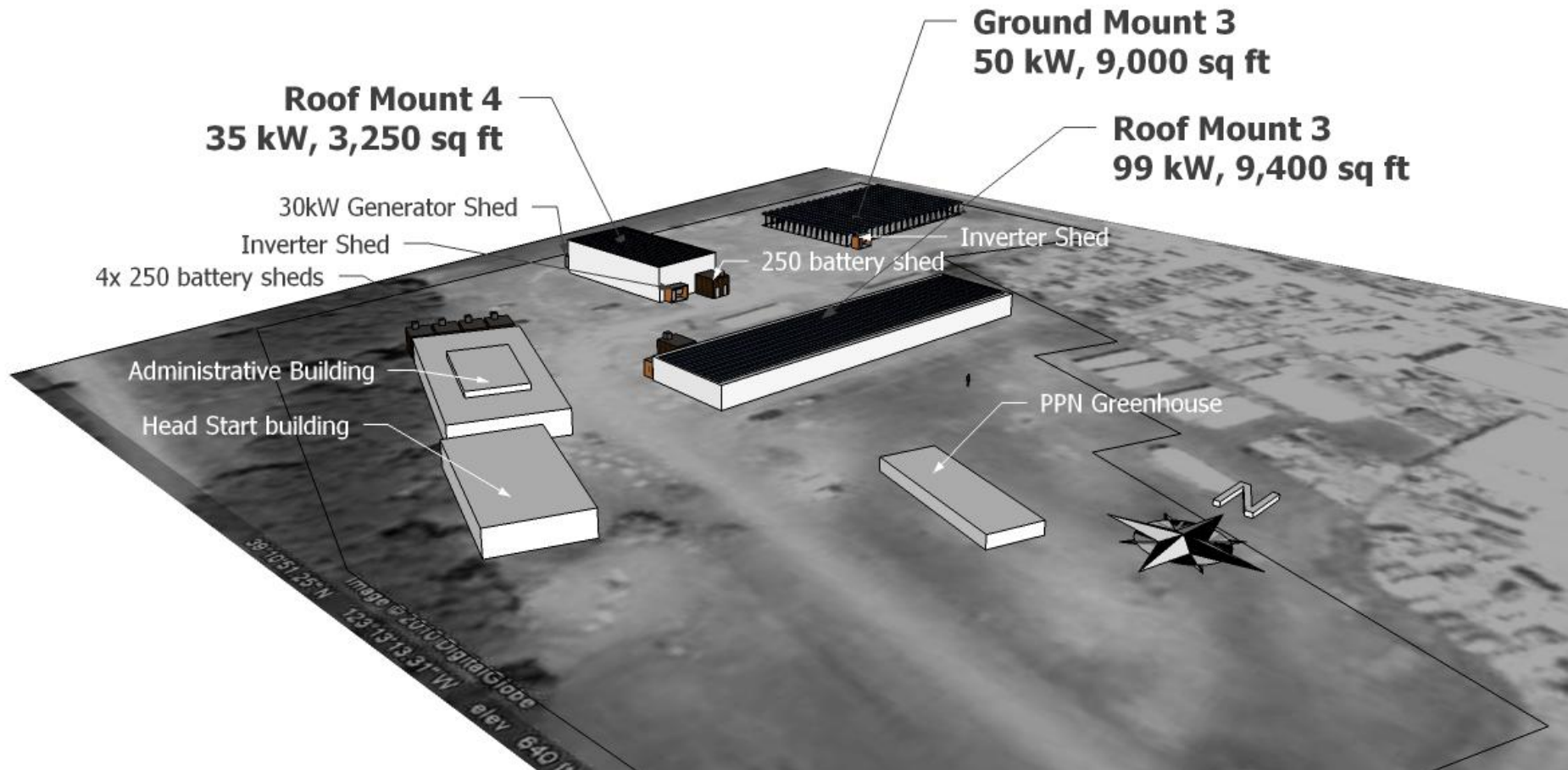
Wind Power Estimate from 09-27-10 to 10-07-10
[20 m (60 ft), 15 ft diameter]



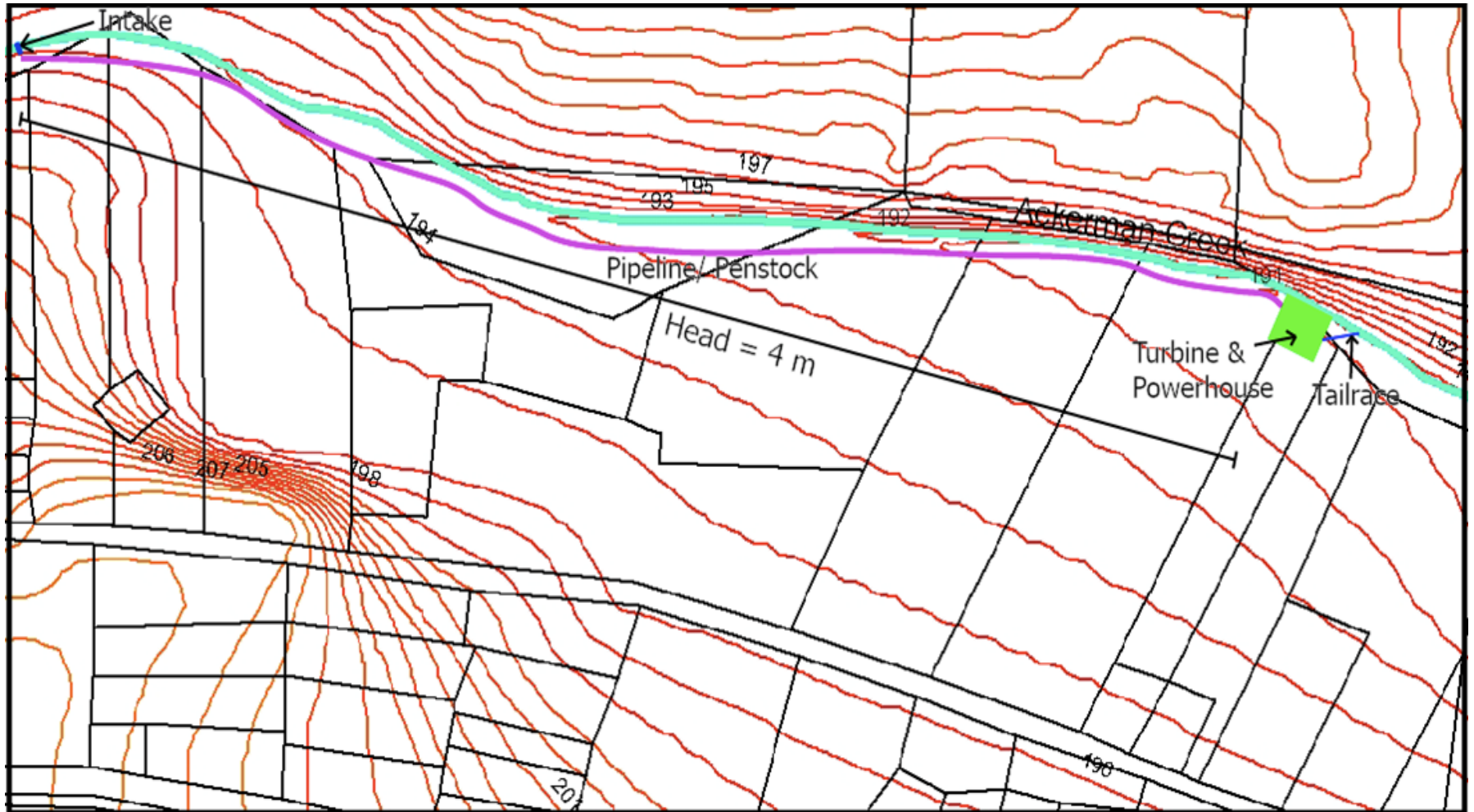
Developing Plans



Developing Plans



Developing Plans



Tribal Electric Vehicle (EV) Station and Infrastructure Along CA Highway 101 and 1 Overview

- Goal: Creation of a 'green corridor' electric vehicle station along Highway 101 & 1
- Stations would be owned and managed by several Pomo tribes
- Focus on sustainable tourism to wines, cultural attractions, parks, casinos, etc..
- Identify chargers and locations suitable for EV charging



Possible Strategies Part A

- Analyze the current market for EVs within the Northern CA and estimate the future market
- Conduct user studies; determine the number of visitors and the time spent at various visitors attractions within 100 miles of Ukiah, CA
- Develop conceptual designs for the EV charging station and additional infrastructure
- Identify chargers and locations suitable for EV charging



Possible Strategies Part B

- Perform economic and greenhouse gas emission analysis for Level 1, Level 2, and Level 3 EV charging station options
- Compare the economic costs and greenhouse gas emission of the EV charging station options to public transit and gasoline powered vehicles
- Estimate revenue generated from sell of additional electrical capacity under various CA Programs



Finding Non-federal partners

Grid Alternatives

EnLink

CARES/UCB



Federal partners

- EPA: Technical Assistance, Administrative Support, Policy/Code Development
- NREL: Feasibility Study, Data Collection, Proposal and Project Review
- HUD: Funding for the House, but not for Renewables, Sustainability
- BIA: Funding for Water Infrastructure
- USDA: EV Proposal Review
- Department of Transportation: EV Proposal Review

Making It Work

- Notes for the tribes
 - Partnerships
 - Tribal Buy In: Top down and Bottom Up

- Notes for the agencies:
 - Financing is huge problem;
 - Bias for commercial projects;
 - Little implementation funding;
 - TDC, codes, & other regulatory barriers



Need for multi agency collaboration and financing