



From the AIR PROGRAM

Air and Weather Outreach at KBPT Technology Fair

In April, KBPT hosted a Technology Expo and Careers Fair to support the Tribe's broadband development projects. EMO staff including the Air Program hosted tables at the Fair. A model 1400 TEOM was opened for demonstration of PM10 collection and measurement on the filter, along with the cyclone air inlet for demonstration of particle sizing. An indoor air quality sensor probe with real-time measurements display of CO, CO2, VOCs and more was also part of the set up. To support the demonstration of solar power and fiber optic technology we had a pyranometer and prisms on the table for visitors to experiment with creating refracted light. We also took some sign-ups for the National Weather Service Las Vegas weather hazards email list.



Weather Station Calibrations

Quality Assurance is an important part of the BPT Air Quality Monitoring Program. Various scheduled checks are performed on the monitors and sensors throughout the year. In addition to an annual third party audit, the Air Program conducts checks on the equipment. In April, Cindy Duriscoe, the Big Pine Paiute Tribe Air Quality Specialist, Ian Bell, OVIWC Scientist, and Brian Adkins, EMO Director, assisted with service and checks on the weather station sensors.

Photos: 1. A hygrometer is used to measure relative humidity 2. Cindy and Ian lower the tower using a winch and stabilizing the frame 3. The temperature probe lives in an aspirated shield, and is checked with a separate temperature probe. 4. The pyranometer, which measures solar radiation, of which we get plenty!

