

**NTFAQ Brief Agenda (WORKING-subject to change)**

**May 6-9, 2019**

**Held at the Pechanga Resort & Casino, 45000 Pechanga Pkwy,  
Temecula, CA 92592**

<b>Time</b>	<b>SESSION</b>	<b>Room/Location</b>
	<b>Monday, May 6, 2019 (OPTIONAL)</b>	-
7:30 am-5:30 pm	<b>Registration &amp; Coffee</b>	
9:00 am-5:00 pm	<b>Optional Session #1: Introduction to R for Environmental Data Analysis</b>	<a href="#">Register HERE</a>
9:00 am-5:00 pm	<b>Optional Session #2: Drones 101 for Air Quality</b>	<a href="#">Register HERE</a>
12:00pm-1:00 pm	<b>Optional Tour: Pechanga Recycling and Co-Generation Plant</b>	<b>Sign-up available on-site only</b>
1:00 pm-5:00 pm	<b>Optional Session #3: CAA Grants and TAS for Air Quality</b>	<a href="#">Register HERE</a>
1:00 pm-5:00 pm	<b>Optional Session: Vendor-sponsored Session: DR-DAS</b>	
1:00 pm-5:00 pm	<b>Optional Session: Vendor-sponsored Session: Agilaire</b>	
2:00 pm-4:00 pm	<b>Optional Session: Vendor-sponsored Session: Ambilabs</b>	
	<b>Optional evening activities:</b>	<b>Sign-up available on-site only</b>
5:00-6:00 pm	<b>Pechanga Air Station Tour</b>	Meet in hotel lobby
5:00-8:00 pm	<b>San Diego State University Solar Plant Facility Tour</b>	Meet in hotel lobby
	<b>Tuesday May 7, 2019 (Day One)</b>	
7:30 am-5:30 pm	<b>Registration</b>	
7:30 am-5:30 pm	<b>Exhibits</b>	
7:30 am-8:30 am	<b>Continental Breakfast</b>	
9:00 am-11:00 am	<b>Opening Plenary Session &amp; Keynote Speaker</b>	
11:00 am- 11:30 am	<b>Break &amp; NTAA Meeting Registration</b>	
11:30 am-1:00 pm	<b>NTAA Member Meeting &amp; Luncheon (optional)</b>	
1:00 pm- 1:15 pm	<b>Break</b>	
1:15 pm-2:30 pm	<b>Networking Clubhouse</b>	
2:30 pm-3:00 pm	<b>Break</b>	
3:00 pm-4:30 pm	<b>BREAKOUT #1: Air Quality Policy &amp; Regulation</b>	
	<i>TAS Training and Policy</i>	
	<i>105 Grants</i>	
	<i>Class I Redesignations</i>	
3:00 pm-4:30 pm	<b>BREAKOUT #2: Ambient Air Quality</b>	
	<i>Western Regional Air Partnership - Tribal Data Working Group</i>	
	<i>Road Dust Solutions for NWT Community</i>	
3:00 pm-4:30 pm	<b>BREAKOUT #3: Indoor Air Quality</b>	
	<i>IAQ Policies in Tribal Communities</i>	
3:00 pm-4:30 pm	<b>BREAKOUT #4: Climate Change</b>	
	<i>ITEP's Climate Change Program</i>	
	<i>Yurok Tribe's Climate Adaptation Plan</i>	
	<b>Optional evening activities (tentative):</b>	<b>Sign-up available on-site only</b>
5:00-6:00 pm	<b>Pechanga Air Station Tour</b>	Meet in hotel lobby
7:00 - 8:00 pm	<b>Screening of the film "Pu'éska," a documentary film on saving Pu'éska mountain (Trailer can be viewed here: <a href="https://www.youtube.com/watch?v=eYnEI71do6Q">https://www.youtube.com/watch?v=eYnEI71do6Q</a> )</b>	

Wednesday, May 8, 2019 (Day Two)		
7:30 am-5:30 pm	<b>Registration</b>	
7:30 am-5:30 pm	<b>Exhibits</b>	
7:30 am-8:30 am	<b>Continental Breakfast</b>	
8:30 am-9:30 am	<b>Plenary Session: Health Impacts from AQ</b>	
9:30 am-10:00 am	<b>Networking Break</b>	
10:00 am-12:30 pm	<b>Eco-Café Exhibit Session &amp; Working Lunch (provided)</b>	
12:30 pm-1:00 pm	<b>Networking Break</b>	
1:00 pm-2:30 pm	<b>BREAKOUT #1: Air Quality Policy &amp; Regulation</b>	
	<i>Permit Streamlining Guidance</i>	
	<i>Regional Haze</i>	
	<i>Power Plant Rules Status</i>	
	<i>Cost-benefit Analysis Changes</i>	
1:00 pm-2:30 pm	<b>BREAKOUT #2: Ambient Air Quality</b>	
	<i>Air Quality Sensors: Tribal Case Study</i>	
	<i>Air Quality Sensors: State Case Study</i>	
	<i>Air Quality Sensors: EPA Update</i>	
1:00 pm-2:30 pm	<b>BREAKOUT #3: Indoor Air Quality</b>	
	<i>Health effects for wood smoke</i>	
	<i>Health Advisory Communications</i>	
1:00 pm-2:30 pm	<b>BREAKOUT #4: Climate Change</b>	
	<i>Climate Change Interactive Game</i>	
	<i>Climate Kids</i>	
	<i>Climate Outreach &amp; Youth</i>	
2:30 pm-3:00 pm	<b>Networking Break</b>	
3:00 pm-4:30 pm	<b>BREAKOUT #1: Air Quality Policy &amp; Regulation</b>	
	<i>National Mobile Source Rules &amp; DERA</i>	
	<i>New Mobile Source Focus: Gasoline Stations</i>	
3:00 pm-4:30 pm	<b>BREAKOUT #2: Ambient Air Quality</b>	
	<i>NATA Map tool</i>	
	<i>Southern California Tribal Air Collaborative</i>	
	<i>Intercomparison of formaldehyde measurement methods</i>	
3:00 pm-4:30 pm	<b>BREAKOUT #3: Indoor Air Quality</b>	
	<i>Indoor air quality sensors</i>	
	<i>Indoor air quality monitoring</i>	
3:00 pm-4:30 pm	<b>BREAKOUT #4: Climate Change</b>	
	<i>TBD</i>	
6:00-8:30 pm	<b>Virgil Masayesva Awards Ceremony &amp; Banquet Dinner (optional)</b>	
Thursday May 9, 2019 (Day Three)		
7:30 am-4:00 pm	<b>Exhibits</b>	
7:30 am-4:00 pm	<b>Registration</b>	
7:30 am-8:30 am	<b>Continental Breakfast</b>	
8:30 am-9:30 am	<b>Plenary Session - Wildfire Smoke-Ready Tribal Communities</b>	
9:30 am-10:00 am	<b>Networking Break</b>	
10:00 am-11:30 am	<b>BREAKOUT #1: Air Quality Policy &amp; Regulation</b>	
	<i>Tribal Designations for NAAQS</i>	
	<i>Roles of Tribes in State Planning Activities</i>	
	<i>Tribal Implementation Plan (TIP)</i>	

	<i>California Air Resources Board</i>	
10:00 am-11:30 am	<b>BREAKOUT #2: Ambient Air Quality</b>	
	<i>Catawba Tribal Air Program</i>	
	<i>NREL Demonstration</i>	
	<i>TAMS Center Tools &amp; Resources</i>	
10:00 am-11:30 am	<b>BREAKOUT #3: Indoor Air Quality</b>	
	<i>Management of Meth Contamination in Homes</i>	
10:00 am-11:30 am	<b>BREAKOUT #4: Climate Change</b>	
	<i>Federal Agency Panel - TBD</i>	
11:30 am-1:00 pm	<b>LUNCH (on your own)</b>	
<i>12:00-1:00 pm</i>	<b><i>Walking Tour of Pechanga Great Oak (optional)</i></b>	<b><i>Sign-up available on-site only</i></b>
1:00 pm-2:00 pm	<b>Plenary Session: Tribal Air BIG Ideas</b>	
2:00 pm - 3:00 pm	<b>Closing Session &amp; Final Raffle</b>	
<i>5:30 pm-7:30 pm</i>	<b><i>5K Fun Run/Walk (optional)</i></b>	<b><i>Sign-up available on-site only</i></b>
	<b>Friday May 10, 2019 (Optional)</b>	
10:00 am - 1:00 pm	<b><i>Optional Field Trip: Anaerobic Digester Power Plant</i></b>	<b><i>Sign-up available on-site only</i></b>
9:00 am - 1:00 pm	<b><i>Optional San Diego Field Trip: National Science Foundation's Center for Aerosol Impacts on Chemistry of the Environment</i></b>	<b><i>Sign-up available on-site only</i></b>

**\*\* SEE BELOW FOR DETAILS ON FIELD TRIPS AND WORKSHOPS\*\***

## Optional Trainings at NTFAQ:

All training sessions are planned for Monday, May 6, 2019 at the Pechanga Resort & Casino

### **NEW! SPONSORED SESSION: DR-DAS Product Training and Demonstrations**

**No registration required. For more information, contact Andrew Montz, DR-DAS ([amontz@dr-das.com](mailto:amontz@dr-das.com))**

1:00 PM – 5:00 PM, Topics include:

- Envivas Ultimate Digital Data System
- Envista Air Resources Manager (ARM) Central Data Management and Reporting System
- XML Reporter user training for AQS reporting using the EPA Exchange Node
- Integration of indoor or outdoor sensor monitoring data with regulatory measurements and how to access the cloud APIs that host sensor data
- Making the most of your data to enhance community awareness of environmental conditions and personal actions that can improve these conditions
- Q&A session

### **NEW! SPONSORED SESSION: Agilaire's AirVision System**

**No registration required. For more information, contact Steve Drevik, Agilaire ([sdrevik@agilaire.com](mailto:sdrevik@agilaire.com))**

1:00 pm – 5:00 pm, Topics include:

- Updates to AirVision
- Basic overview session for new users focusing on daily activities
- Q&A session

### **NEW! SPONSORED SESSION: Ambilabs**

**No registration required. For more information, contact Kyle Hunt, Ambilabs ([khunt@ambilabs.com](mailto:khunt@ambilabs.com))**

2:00 pm – 4:00 pm, Topics include:

- Planning, Setup, and Operations of the latest “next generation” technologies for PM2.5, PM10, O3, NO, NO2, CO, SO2, VOC's, & meteorological.
- Additional options such as H2S, CO2, BTEX, & noise also will covered.

### **Workshop Session #1 (9:00 am – 5:00 pm): Introduction to R for Environmental Data Analysis**

“R” is a free (open source) data analysis tool that can easily handle large data files generated from sensors and other continuous monitors, especially bulky files of minute or five-minute data that cannot be handled using MS Excel. Along with an intuitive user interface, R is well-supported by a helpful online user community. The TAMS Center has worked with the Minnesota Air Pollution Control Agency to prepare a one-day introduction to this free software, complete with example data and fun exercises. Attendees are required to bring their own laptops and data files. Pre-registration is REQUIRED in order to receive the complete course preparation instructions, including how to download the program and its user interface, RStudio. For questions about the session, contact [Melinda.Ronca-Battista@nau.edu](mailto:Melinda.Ronca-Battista@nau.edu)

>> Registration for the Introduction to R workshop is available here: <http://tinyurl.com/optshesh1>

**Workshop Session #2 (9:00 am – 5:00 pm): Drones 101 for Air Quality**

Who wants a drone??? Ever wonder if a drone would work for you? What kind of drone? Big Drone Little Drone Red Drone Blue Drone. What can it be used for? Can anyone fly one? Do you need a license? Certification? Get all the answers to these questions and more by attending the NTFAQ Drone Training. See pictures and drone footage from Mississippi Band of Choctaw Indians and the Saint Regis Mohawk Tribe. The Mississippi Band of Choctaw Indians will have their drone on-site! Sign up to see how you can improve your air quality network using a drone. For more information, contact [Angela.Benedict@srmt-nsn.gov](mailto:Angela.Benedict@srmt-nsn.gov).

>> Registration for the Drones 101 Workshop is available here: <http://tinyurl.com/optsh2>

**Workshop Session #3 (1:00 pm – 5:00 pm): Clean Air Act (CAA) Grants and TAS for Air Quality**

During this interactive session participants will delve into the process of applying, managing and reporting on Section 103 and 105 grants and TAS. The goal is to better understand nuanced world of STAG grant programs and how to optimize opportunities for funding. Be the first to see updated training materials, examples of successful work plans and reports, and better prepare to respond to Request for Proposals/Request for Applications (RFP/RFA), directly from the people who write, review and train on these important grants. Input from Tribal staff is encouraged to help ensure cultural sensitivity and EPA consistency in grants management. Polite interruptions are not only allowed, but encouraged. The session addresses issues such as region-to region-variabilities in timing and approaches to grants. This course is for new and experienced Tribal staff alike and benefits EPA staff as well. The second portion of this session will focus on basic elements of the TAS application process and the tools and resources that are available to tribes. In this interactive session you will be able to talk about your tribe's interest in TAS and receive feedback on any issues you may have encountered. For more information, contact [Childers.Pat@epa.gov](mailto:Childers.Pat@epa.gov).

>> Registration for the CAA Grants & TAS Workshop is available here: <http://tinyurl.com/optsh3>

## **2019 NTFAQ Field Trips & Outings**

*All field trips recommend closed-toe shoes  
See below for additional details and restrictions*

### **Santa Margarita Ecological Reserve SOLAR Project:**

The Santa Margarita Ecological Reserve SOLAR project is a research project dedicated to determining the best methods for combining solar power generation with native habitat restoration. The project removed 15 acres of non-native, invasive, eucalyptus trees (that were also considered a safety and fire hazard) and will be working on the restoration of native coastal sage scrub habitat and the installation of 11 coast live oak trees. The research project also uses different types of solar panel installation designed to minimize impacts to the soils (e.g. with smaller footings) and follows the contours of the landscape to avoid grading and other negative environmental impacts associated with “green energy” development. Tour will be led by Dr. Matt Rahn, project lead and City Councilman for the City of Temecula. Transportation limited to 20 people; sign-up on-site.

#### ***Tour Timeline:***

5:00 pm – Depart from hotel lobby  
5:30 pm – Arrive at SDSU Facility  
6:00-7:00 pm – Tour of SOLAR project  
7:00-8:00 pm – Return to hotel

### **Pechanga Air Monitoring Station:**

Pechanga air station collects EPA regulatory data on ozone and also samples for PM 2.5 and NOx. The Pechanga Tribe maintains one of two tribal separate air quality planning areas in the state of California. This tour includes both and equipment and data collection and display demonstration featuring the Pechanga air station’s new website designed to disseminate data to the tribal community and inform emergency alerts for bad air quality days. Pechanga air technician, David Newman and data specialist from DR DAS will be available to answer your questions. Maximum 15 spots; sign-up on-site.

#### ***Times:***

5:00-6:00 pm, Monday May 6 (depart from hotel lobby at 5:00 pm)  
5:00-6:00 pm, Tuesday May 7 (depart from hotel lobby at 5:00 pm)

### **Pechanga Recycling and Co-Generation Plant:**

A tour of Pechanga’s sustainability initiatives and programs lead by the Pechanga Resort and Casino’s new Sustainability Manager. Learn about the challenges of implementing sustainability initiatives on a large-scale tribal commercial property while touring the Pechanga cogeneration plant, waste collection and recycling facilities, and other unique features. Along with a recent expansion of commercial activities and properties, Pechanga is increasing its commitment to sustainability through improved environmental, economic, and social programs. This tour is a great opportunity to learn about the planning and initiation of an enhanced sustainability program that is scalable for larger operations. It is recommended that attendees use the ear protection provided at the facility. Maximum 20 people per tour; sign-up on-site.

#### ***Times:***

12:00-1:00 pm, Monday May 6 (depart from hotel lobby at 12:00 pm)

**Pechanga Great Oak:**

Visit the Great Oak, a cultural treasure and natural wonder with the Pechanga Cultural Department staff. The Cultural Department will lead a tour informing you about the importance of the Great Oak, a nearly 2,000 year old coast live oak. **To protect the oak root system and the leaf litter, please no high-heeled shoes!** Maximum 20 people per tour; sign-up on-site.

***Times:***

12:00-1:00 pm, Tuesday May 7 (depart from hotel lobby at 12:00 pm)

12:00-1:00 pm, Thursday May 9 (depart from hotel lobby at 12:00 pm)

**National Science Foundation's Center for Aerosol Impacts on Chemistry of the Environment**

National Science Foundation's Center for Aerosol Impacts on Chemistry of the Environment (NSF CAICE) is comprised of scientists ranging from chemists to oceanographers to marine biologists. We are advancing our understanding of fundamental chemical processes as they occur in the real world by developing novel ways to address large scale environmental processes in a controlled setting. NSF CAICE has brought the real-world complexity of the ocean-atmosphere-microbe system to the laboratory. Our current focus is on sea spray aerosol, since oceans cover nearly three-quarters of the Earth and play a vital role in controlling our climate. Sea spray aerosol consists of complex chemical mixtures including sea salt, viruses, bacteria, proteins, and other biological species. A current challenge in trying to protect our planet involves understanding how much different pollution sources generated by humans are adversely impacting our atmosphere. In NSF CAICE, we study the impact of aerosol particles and their effects on climate, weather, and human as well as ecosystem health. Visit this unique ocean-atmosphere interaction facility and labs developed in NSF CAICE to replicate the broad range of conditions occurring in the real world. *\*This field trip goes in the direction of the San Diego airport (South from Pechanga Resort and Casino), so it is a good idea for those flying out of San Diego airport on Friday night to make travel plans to leave straight from the tour to the airport. The van will return to Pechanga; any travelers proceeding to San Diego Airport will need to coordinate own transportation.*

***Tour Timeline:***

8:30 am	Meet in Pechanga Hotel Lobby
8:45-9:00 am	Depart
10:00-10:30 am	Arrive NSF CAICE
12:30 pm	Depart to San Diego airport OR ITEP van back to Pechanga*

**CR&R Environmental Service Anaerobic Digestion Plant**

CR&R Environmental Services (CR&R) has invested in an advanced organics processing technology known as Anaerobic Digestion (AD). This technology has enabled CR&R to produce a clean Renewable Natural Gas which can then be used to power its large fleet of refuse and recycling collection vehicles. This 100% Renewable Natural Gas is being created from the organic waste that is being captured throughout CR&R's collection network. This proprietary process is unique to CR&R and is fully enclosed with zero untreated emissions. It has the highest energy conversion rate in the industry due to its state-of-art design and digital controls. CR&R also has the only renewable natural gas interconnect in California. This unique interconnect, in partnership with the Southern California Gas Company; allow us to distribute our Renewable Natural Gas anywhere in the State. *\* This field trip goes in the direction of Ontario airport (North from Pechanga Resort and Casino), so it is a good idea for those flying out of Ontario on Friday night to make travel plans to leave straight from the tour to the airport.*

***Tour Timeline:***

9:30 am	Meet in Pechanga Hotel Lobby
9:45-10:00 am	Depart
11:00-11:30 am	Arrive at CR&R Plant
1:30 pm	Depart to Ontario airport <u>OR</u> shuttle back to Pechanga*