

NTFAQ 2022

NATIONAL TRIBAL FORUM ON AIR QUALITY

May 2 - 5, 2022

Summary Report:
2022 NTFAQ
&
NTAA Annual Meeting
Submitted July, 2022



NATIONAL TRIBAL
AIR ASSOCIATION



A Joint Air Quality Conference hosted by the Muscogee Nation, co-sponsored by The Institute for Tribal Environmental Professionals and The National Tribal Air Association with coordination with U.S. EPA's Office of Air and Radiation

Table of Contents

Introduction	3
<i>Tribes & Tribal Organizations Represented at the 2022 NTFAQ</i>	4
Other Entities Represented at the 2022 NTFAQ	7
The 2022 NTAA Annual Meeting	9
Participant Feedback.....	9
APPENDIX A: ANNUAL MEETING AGENDA	11
APPENDIX B: NTFAQ Presenters and Moderators Schedule	12
APPENDIX C: Summary of NTFAQ Attendee Evaluations	20
APPENDIX D: Photos from the 2022 National Tribal Forum on Air Quality	29

Introduction

This report summarizes the 2022 National Tribal Forum on Air Quality (NTFAQ) and the National Tribal Air Association's (NTAA) Annual Meeting held in person and virtually via Zoom. This year's NTFAQ was hosted by the Muscogee Nation, in Tulsa, OK at River Spirit Casino Resort from May 2-5, 2022. This report includes a narrative summary, data on NTFAQ attendees, lessons learned and several appendixes including:

- Appendix A: Agenda of the 2022 NTAA Annual Meeting,
- Appendix B: Agenda of the 2022 National Tribal Forum on Air Quality,
- Appendix C: Summary of NTFAQ evaluations from the responses of NTFAQ attendees, and
- Appendix D: Photos from the 2022 National Tribal Forum on Air Quality.

This year's NTFAQ was the 15th year that ITEP and the NTAA co-sponsored the conference, and the 22nd year that ITEP has hosted the NTFAQ in general.

This year's conference agenda included offsite field trips, pre-conference trainings, general plenary sessions, breakout sessions, pre-forum social & soft kickoff, eco-cafe, the annual Virgil Masayeva Awards Ceremony, and the return of the Breath of Fresh Air Fun Run that raised \$1,145.00 for the Muscogee Nation Youth Services.

This year's 2022 NTFAQ included 402 registered individuals, with 211 of those participants attending in-person, and 191 attending virtually. 114 Tribes and tribal organizations attended the NTFAQ either in-person or virtually with 96% of the conference participants that responded to the survey (57 out of 59) indicated that they were either "Highly Satisfied" or "Very Satisfied" with the 2022 NTFAQ. Many participants highlighted the benefit of this year's NTFAQ were breakout sessions and the ability to meet in-person and network. The participants enjoyed learning information useful for building their air quality programs from the over 50 presenters from Tribal, federal and local agencies, as well as non-profits, and other service providers.

Based on the 59 anonymous attendee evaluations compiled by ITEP and included in Appendix C, this year's NTFAQ was a great success. Many attendees noted an appreciation of the diversity and quality of the presenters, particularly the breakout sessions, networking roundtables, keynote speakers (opening and closing), and in general seeing people in-person. Several of the agenda items that were well received by participants at this year's NTFAQ included:

- Tribes and Sovereignty – Tribal Caucus Session facilitated by Mike Natchees, Ute Tribe; Leroy Williams, GRIC
- TAMS Center Services and Needs Assessment Result Presentation presented by Christopher Lee, TAMS Co-Director; Mike Natchees, Ute Tribe
- American Rescue Plan (ARP): funding & respectful data sharing, trust, and use presented by Chet Wayland, EPA

- Networking Roundtable; OAR/ Tribal Air Programs/ Grants

Tribes & Tribal Organizations Represented at the 2022 NTFAQ

Absentee Shawnee Tribe of Oklahoma
Aleut International Association
Association of Village Council Presidents
Big Pine Paiute Tribe
Bishop Paiute Tribe
Blue Lake Rancheria CCT Environmental Trust
Caddo Nation
Cahto Tribe of Laytonville
Cherokee Nation Environmental Programs
Cheyenne and Arapaho Tribes
Chippewa Cree
Chitina Indian traditional council
Choctaw Nation of Oklahoma, Environmental Protection Services
Citizen Potawatomi Nation
Coeur d' Alene Tribe Natural Resources
Confederated Salish & Kootenai Tribes
Confederated Tribes Umatilla Indian Reservation
Confederated Tribes of the Colville Reservation
Delaware Nation
Elk Valley Rancheria
Enterprise Rancheria
Environmental Protection Department/Yavapai-Apache
Fallon Paiute-Shoshone Tribe
Fond du Lac Band of Lake Superior Chippewa
Forest County Potawatomi Community
Fort Peck Assiniboine & Sioux Tribes
Fort Sill Apache Tribe
Gila River Indian Community
Ho-Chunk Nation
Holy Cross Tribe

Hoonah Indian Association
Hoopa Valley Tribal EPA
Inter-Tribal Council of Arizona
Jamul Indian Village of California
Kumeyaay Nation
Kalispel Tribe
Kasigluk traditional council
Kaw Nation
Keweenaw Bay Indian Community
Kickapoo Tribe in Kansas
Kootenai Tribe of Idaho
La Jolla Band of Luiseno Indian
Leech Lake Band of Ojibwe
Lone Pine Paiute-Shoshone Reservation
Manzanita Band of the Kumeyaay Nation
Mille Lacs Band of Ojibwe
Mississippi Band of Choctaw Indians
Morongo Band of Mission Indians
Muscogee Nation
Narragansett Indian Tribe
Native Of Village Paimiut
Native Village of Afognak
Native Village of Aniak
Native Village of Barrow
Native Village of Brevig Mission
Native Village of Buckland
Native Village of Kivalina
Native Village of Kwinhagak
Nez Perce Tribe
Noorvik Native Community
North Fork Rancheria of Mono Indians
Northern Ute Tribe
Northwestern Band of the Shoshone Nation

Nunakauyak Traditional Council
Orutsararmiut Native Council
Otoe-Missouria Tribe of Indians
Ottawa Tribe of Oklahoma
Pala Band of Mission Indians Passamaquoddy Tribe
Pechanga Band of Luiseno Indians
Pitkas Point Traditional Council
Poarch Band of Creek Indians
Ponca Tribe of Nebraska
Port Graham Village Council
Prairie Band Potawatomi Nation
Pueblo of Zia
Puyallup Tribe
Pyramid Lake Paiute Tribe
Quapaw Nation
Quinault Indian Nation
Rappahannock Tribe
Red Lake Band of Chippewa Indians
Round Valley Indian Tribes
Sac & Fox Tribe of the Mississippi in Iowa
Saint Regis Mohawk Tribe
Salt River Pima Maricopa Indian Community
Santa Ana Pueblo
Santa Rosa Rancheria
Santa Ynez Band of Chumash
Santee Sioux Nation
Sault Ste. Marie Tribe of Chippewa Indians
Seneca Nation
Shinnecock Nation
Sisseton Wahpeton Oyate
Sitka Tribe of Alaska
Soboba Band of Luiseño Indians
Southern Ute Indian Tribe

Spirit Lake Tribe
Spokane Tribe of Indians
Standing Rock Sioux Tribe DER/EPA
Susanville Indian Rancheria
Table Mountain Rancheria
Tejon Indian Tribe
The Tonkawa Tribe of Oklahoma
Tule River Tribe
Tuntutuliak Traditional Council
United Keetoowah Band
Ute Mountain Ute Tribe
Viejas Band of Kumeyaay Indians
White Mountain Apache Tribe
Winnebago Tribe of Nebraska
Yakama Nation
Zuni Environmental Protection

Other Organizations Represented at the 2022 NTFAQ

A & M Engineering and Environmental Services, Inc.
Agilaire
Air Monitoring Technology Solutions
Columbia University, Department of Environmental Health Sciences
Environmental Defense Fund
EN3 Professionals
EPA Office of Air Quality Planning and Standards
Green Roots
Heritage University
Institute for Tribal Environmental Professionals
MPCA Maine DEP-BAQ
Met One Instruments Inc
Minnesota Green Corps Service Member
Minnesota Pollution Control Agency
Moms Clean Air Force
NASA HAQAST
National Tribal Air Association

National Park Service Open Environment Software
Project Canary
Tribal Exchange Group
Teledyne API
Tribal Air Monitoring Support (TAMS) Center
Tribal Healthy Homes Network
Tule River Indian Health Center, Inc
U.S. EPA Region 3
U.S. EPA Region 5
U.S. EPA Region 10
U.S. EPA/Burn Wise Program
U.S. Geological Survey
U.S. Government Accountability Office
U.S. White House Representative
U.S. EPA Office of Transportation and Air Quality
USFS- Northern Research Station
University of Washington
Washington Department of Natural Resources
Winslow Indian Health Care Center
Wisconsin Department of Natural Resources
Zon Architects, Inc

The 2022 NTAA Annual Meeting

The National Tribal Air Association held its Annual Meeting on Tuesday, May 3, 2022. This meeting was attended by NTAA member Tribe representatives, USEPA officials and a few non-NTAA members who may be interested in joining NTAA. The agenda is attached as Appendix A.

After opening remarks by the newly appointed NTAA Chairwoman Syndi Smallwood, NTAA's Project Director Andy Bessler presented a brief staff report of NTAA's activities, including NTAA Highlights, NTAA Policy Tools, and NTAA's Work Moving Forward. In closing, the NTAA Chairwoman facilitated an open discussion by NTAA member Tribes.

There was opportunity during the meeting for open discussion by NTAA member Tribes at the end of the agenda. This was scheduled in order to provide opportunity for NTAA member Tribes' representatives to ask questions or to share issues and concerns they may have relevant to their air quality programs. NTAA members were also provided a premiere screening of a film entitled, "NTAA's 20th Anniversary Tribute." The film can be found on [NTAA's "About Us" web page](#).

Participant Feedback

According to the data from a survey sent out to attendees after this year's conference the 2022 Hybrid NTFAQ was a great success due to many factors, including:

- The cooperation of NTAA, ITEP, USEPA, and Tribal professionals to plan and execute the NTFAQ agenda
- Various Breakout sessions offered that covered a variety of AQ topics
- The field trips
- The keynote speakers during the open and closing sessions
- Networking Roundtables
- Seeing people in-person
- Alaska Climate Change Panel & Lunch

Overall, most of this year's attendees were either very satisfied or highly satisfied with the hybrid forum for this year's NTFAQ hosted by the Muscogee Nation in Tulsa, Oklahoma.

Provided below are some suggestions for improvement from participants that attended this year's 2022 Hybrid NTFAQ:

- ice breakers for each general session
- increased number of tribal case studies
- improvement of the Zoom management team for those that could not attend in-person

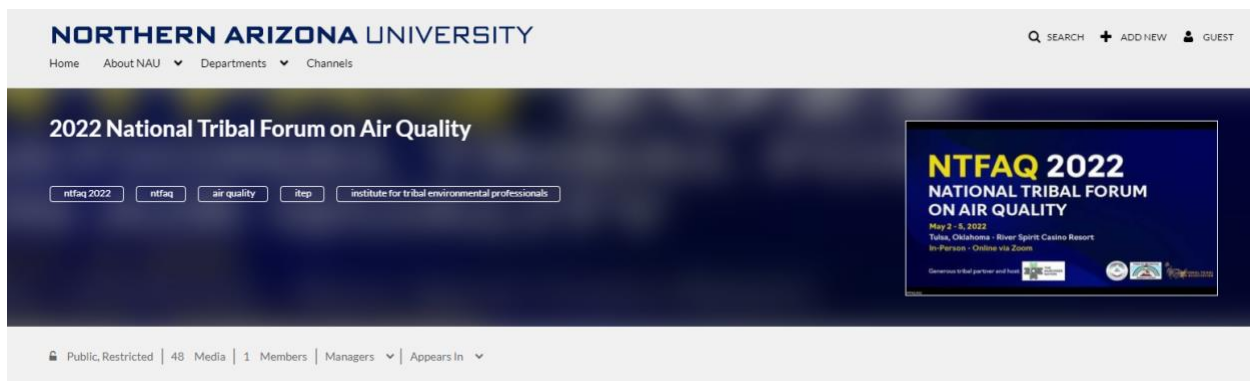
- a more diverse set of presentations
- less EPA leads
- more interaction at the eco café
- not rush through the NTAA agenda

Conducting this year's NTFAQ as a hybrid event offered Tribal Nations, EPA staff and others with limited resources to participate with other Tribes and Environmental Professional's in a meaningful manner. ITEP also offered travel scholarships to over 50 Tribal participants to help offset travel cost to attend NTFAQ. Travel scholarships ranged from \$500 to \$1,500 depending on need.

One of the respondents mentioned, "I enjoyed getting to attend the conference in-person and feel like I am part of a group of people doing great work in their communities. To listen, hear, and see the presentations in-person are more meaningful and sends a powerful message." With another mentioning, "The ability to accommodate in-person and virtual venues is a great option for those who cannot attend in-person conferences."

Overall, this year's hybrid NTFAQ was a success when considering this is the first in-person conference that ITEP, NTAA, EPA, and Tribal partners had since the beginning of the COVID-19 Pandemic. The core function of NTFAQ continues to be networking and learning opportunities for both seasoned Tribal air professionals and those new to air quality. With continued partnership and collaboration among ITEP, NTAA, and USEPA, the next NTFAQ will undoubtedly continue to bring together Tribal air programs to promote air quality management, and the protection of public health in Indian country and surrounding areas for future generations.

All recorded sessions from this year's NTFAQ can be found at the following NAU ITEP media space channel: [2022 National Tribal Forum on Air Quality](#).



APPENDIX A: NTAA ANNUAL MEETING AGENDA



NATIONAL TRIBAL AIR ASSOCIATION

Tuesday, MAY 3, 2022

11:45 am – 1:15 pm

1. Welcome and Introductions
 - Andy Bessler, NTAA Project Director
 - a. NTAA Executive Committee Members
 - b. NTAA Member Tribes
 - c. NTAA Staff
 - d. EPA Staff and Others
2. Welcome
 - a. Syndi Smallwood, NTAA Chairwoman
 - b. Mission and Priorities: NTAA Officers; Brandy Toft, Vice Chair; Craig Kreman, Treasurer; Billie Toledo, Secretary
3. NTAA Overview
 - a. Overview of NTAA mission and policy work:
Syndi Smallwood, NTAA Chairwomen
 - b. Key Findings of NTAA Baseline Needs Assessment:
Andy Bessler, NTAA Director
4. NTAA's 20th Anniversary Celebration
5. NTAA member Tribe Feedback and Discussion
6. Close

This year at the NTFAQ the NTAA annual meeting was open to all attendees in-person and virtual. A recording of the NTAA annual meeting is available using this [NTAA annual meeting link](#).

APPENDIX B: 2022 NTFAQ Conference Schedule

All Times are Pacific Daylight Time (PDT)

Monday May 2nd			
9:00 AM	5:00 PM	Registration Open	Ballroom Foyer
		Offsite Field trips	Depart From Hotel Lobby
9:30 AM	12:30 PM	Euchee Butterfly Farm	
12:00 PM	4:45 PM	College of the Muscogee Nation & Creek Council House	
1:30 PM	4:30 PM	Euchee Butterfly Farm	
2:00 PM	4:00 PM	Gathering Place Park	
		Afternoon Snack Break	Ballroom Foyer
Pre- Conference Trainings			
10:00 AM	12:00 PM	Air Quality System Database Basics (refresher)	Ballroom 1
		<p>U.S. EPA's Air Quality System (AQS) database is a computer-based information data management system for handling the storage and retrieval of information pertaining to ambient air pollutants and related meteorological data. This refresher will provide information on how to access the database, establish a site and monitor, load and retrieve and correct data in AQS.</p> <p style="text-align: right; font-size: small;">Presented by Michael King, TAMS, Virtually</p>	<p style="text-align: right;">Zoom Link:</p> <p style="text-align: right;">Meeting ID: 881 3838 2739</p>
1:00 PM	5:00 PM	Dataloggers and Connection to QREST	Ballroom 1
		<p>If you are not aware of QREST, it stands for Quality Review and Exchange System for Tribes and it is a data management tool that helps Tribes automatically retrieve data from their logger, stores it in the cloud for data quality review, and can be used to submit data to EPA's AirNow and AQS database. Come learn the basics of dataloggers and how to connect to QREST. We will also demonstrate how to program a Campbell Scientific logger and establish communication between your modem/router to the outside world.</p> <p style="text-align: right; font-size: small;">Presented by Michael King, TAMS, Virtually and Melinda Ronca-Battista, TAMS, In-person</p>	<p style="text-align: right;">Zoom Link:</p> <p style="text-align: right;">Meeting ID: 839 6466 9605</p>
1:00 PM	5:00 PM	Healthy Homes: Principles, Assessment Strategies and Diagnostic Tools	Ballroom 2
		<p>Understanding Indoor Air Quality is critical to creating and maintaining a healthy home. Based on the building blocks of healthy housing, we will explore indoor air from the "house as a system" framework, utilizing an integrated approach to assess the sources, characteristics and interactions of indoor air hazards. Topics will include the key principles of healthy housing, such as keeping the home dry, ventilated, clean, and contaminant free. Participants will also acquire a basic proficiency with selecting and utilizing indoor air diagnostic tools and equipment.</p> <p style="text-align: right; font-size: small;">Presented by Aileen Gagney</p>	<p style="text-align: right;">Zoom Link:</p> <p style="text-align: right;">Meeting ID: 856 8506 6594</p>
1:00 PM	2:00 PM	Help With the Little Things	Meeting Room 1
		<p>Have you ever felt like there is just too much to do and not enough of you to go around? Are you forced to prioritize, thus letting some things fall through the cracks? You know who else feels like that sometimes? Small businesses... and we may be able to bridge that gap. Let us assist you by sharing our extensive but highly limited expertise in helping small businesses with air quality concerns such as drycleaners, autobody shops, ready-mixed concrete plants, and metal finishers. The national network of SBEAPs has contacts near you with tools and resources to share.</p> <p style="text-align: right; font-size: small;">Presented by Tony Pendola, NCDEQ SBEAP</p>	<p style="text-align: right;">Zoom Link:</p> <p style="text-align: right;">Meeting ID: 839 7447 3867</p>
		Welcome Reception	Ballroom Foyer & Terrace
6:30 PM	8:30 PM	Light snacks and Games	

		Tuesday May 3rd		
7:30 AM	8:30 AM	Registration & Continental Breakfast		Ballroom Foyer
8:30 AM	10:00 AM	Opening General Session		Ballroom 3+4
		AMC - Emcee: Invocation TBD Presentation of Colors Mvskoke Honor Guard & National Anthem in Muscogee Pearl Thomas, Mvskoke Elder Welcome Muscogee Nation Chief Hill ITEP-AMC/NTAA-Syndi Smallwood/TAMS - Mike Natchees/EPA-Pat Childers & Video Keynote Muscogee Nation Second Chief Beaver		Zoom Link: Meeting ID: 817 4470 6456
10:00 AM	10:30 AM	Morning Coffee Break		Ballroom Foyer
10:15 AM	11:30 AM	Networking Roundtable		Ballroom 2
		<i>In-Person Topics</i> EPA Grants Pat Childers Air Quality Permits Laura McKelvey & Bill Auberte Monitoring Equipment Hayden Hardie Quality Assurance Project Plans Josie Kamkoff Training & Professional Development Christal Black Wood Stoves & Wood Smoke Mariah Ashely Air Quality Policy Rules & Resources Andy Bessler Climate Change Nikki Cooley IAQ Tools of the Trade Aileen Gagney <i>Virtual Topics</i> DERA Lucita Valiere Emissions Inventories Angelique Luedeker Indoor Air Quality Mansel Nelson & Secody Hubbard Monitoring Equipment Mike King Wood Stoves & Wood Smoke Larry Brockman Air Knowledge Laura Bunte Air Data / Management / Reporting Melinda Ronca-Battista		Zoom Link: Meeting ID: 274 791 3930
11:30 AM	11:45 AM	Break		Ballroom Foyer
11:45 AM	1:15 PM	NTAA Annual Meeting & Luncheon		Ballroom 3+4
		<u>Introductions:</u> NTAA Executive Committee NTAA Member Tribes NTAA Staff EPA Staff and Others <u>Welcome:</u> NTAA Chairwoman, Syndi Smallwood <u>Mission and Priorities:</u> NTAA Officers; Brandy Toft, Vice Chair; Craig Kreman, Treasurer; Billie Toledo, Secretary <u>NTAA Overview:</u> Overview of NTAA mission and policy work: NTAA Chairwoman Syndi Smallwood Key Findings of the NTAA Baseline Needs Assessment: Andy Bessler, NTAA Director <u>NTAA's 20th Anniversary Celebration</u> <u>NTAA Member Tribe Feedback and Discussion</u>		Zoom Link: Meeting ID: 884 2217 2147

1:30 PM 4:30 PM		Concurrent Breakout Sessions	
1:30 PM	2:30 PM	<p>Introduction to OAR and EPA's side of the Tribal Air Program</p> <p>This presentation gives an overview of the EPA side of the Tribal Air program. It is designed for new tribes beginning to work on air quality issues and new staff members in the tribes that have traditionally worked on air quality. It will go over the areas of responsibilities and interest of EPA offices in OAR and the regions and introduce some of the newer faces within the EPA organization.</p> <p>Presented by Pat Childers, EPA</p>	<p>Ballroom 1</p> <p>Zoom Link:</p> <p>Meeting ID: 850 6076 4089</p>
1:30 PM	2:30 PM	<p>ITEP's 2021 Status of Tribes and Climate Change (STACC) Report: Overview & Air Quality</p> <p>The STACC Report seeks to honor the voices of Indigenous peoples across the U.S. to increase understanding of Tribal lifeways, cultures, and worldviews, the climate change impacts Tribes are experiencing, the solutions they are implementing, and ways that all of us can support Tribes in adapting to our changing world. The report was convened by ITEP's Tribes and Climate Change Program and written by the STACC Working Group. For this session, ITEP staff will provide an overview of the report and provide specific content, including Tribal narratives, from the Air chapter. In addition, staff will discuss plans for future reports and would welcome ideas for future content and contributors.</p> <p>Presented by Nikki Cooley and Kelsey Morales</p>	<p>Meeting Room 1</p> <p>Zoom Link:</p> <p>Meeting ID: 880 4813 8762</p>
1:30 PM	2:30 PM	<p>Preparing Your Community for Smoke from Wildland and Prescribed Fires</p> <p>For many tribal communities, exposure to smoke from wildland fires, prescribed burning, and agricultural burning is an ongoing challenge that can be expected to continue and potentially worsen in coming years due to climate change. Fortunately, Tribes, agencies, and other community partners have developed and deployed a range of programs and tools to prepare communities for these smoke situations. Join this session to learn about Smoke Ready tools and activities that you can tailor and share in your community. Social media resources, smoke ready toolkits, and community outreach campaigns will be shared, and participants are encouraged to bring and share their ideas and experiences with smoke preparedness.</p> <p>Presented by Erin McTigue, EPA</p>	<p>Ballroom 2</p> <p>Zoom Link:</p> <p>Meeting ID: 870 6162 2703</p>
1:30 PM	2:30 PM	<p>Strategies for Cleaner Indoor Air: Reviewing the Types and Performances of Ventilation and Filtration Technologies</p> <p>Indoor air pollutants can sometimes be addressed through source control, but many, such as woodsmoke or wildfire smoke, require technologies to filter and capture pollutants, such as MERV and HEPA filtration, UV-C and many others. In this session we will review the range of current, evidence-based technologies available for the home environment, discussing their efficacy, cost, user considerations and maintenance factors.</p> <p>Presented by Aileen Gagney</p>	<p>Ballroom 3+4</p> <p>Zoom Link:</p> <p>Meeting ID: 841 2074 2614</p>
1:30 PM	2:00 PM	<p>Sensors, Flags, and Libraries on the Nez Perce Reservation</p> <p>The Nez Perce Tribe (NPT) Air Quality Program has a robust partnership with nine public libraries on the Nez Perce Reservation. Our partnership started in 2012 with AQ staff and ITEP interns participating in a few of the libraries annual Summer Reading Program. In 2021, we expanded our collaboration to promote Smoke Ready Communities and each library received a PurpleAir sensor and an AQI flag kit. In addition to hosting a PM2.5 sensors for the tech-savvy, library staff took on flying the AQI flags outside for everyone in the community. Libraries purchased supplies, built, and displayed DIY Box Fan Filters to improve their buildings' indoor air and demonstrate a proactive step residents could take to protect themselves from wildfire smoke. Additionally, our ITEP summer intern developed a science activity, instructional video, and assembled 140 DIY kits for youth library patrons. Most recently, two libraries are piloting a Moisture Meter Loan Program for firewood users. We will also share our evaluation of sensor performance comparing library data with our NPT Ambient Network PM2.5 sensors (BAM 1022s and EBAMs). Our librarians have become AQ ambassadors. It's a win-win partnership, one you can adapt and implement on your reservation.</p> <p>Presented by Johna Boulafentis and Mary Fauci, Nez Perce Tribe Air Quality Program</p>	<p>Meeting Room 2</p> <p>Zoom Link:</p> <p>Meeting ID: 845 1727 9998</p>
2:00 PM	2:30 PM	<p>US EPA Air Quality Flag Program</p> <p>By displaying a color-coded flag every day, the Air Quality Flag Program helps communities better understand their local air quality, what to do when the air is polluted, and protect public health- especially that of the most sensitive populations (children, people with lung and heart conditions like asthma, and older adults). Learn more about the fun picture books, educational outreach materials and easy lesson plans you can share in your community!</p> <p>Presented by Melissa Payne, EPA</p>	<p>Meeting Room 2</p> <p>Zoom Link:</p> <p>Meeting ID: 869 3336 0700</p>
2:30 PM	3:00 PM	Afternoon Snack Break	
3:00 PM	3:30 PM	<p>Wildfire Smoke Air Monitoring Response Technology (WSMART) Pilot</p> <p>In many areas affected by wildfire smoke, air monitoring data may be limited. To increase the amount of data available to understand air quality impacts during wildfire smoke episodes, EPA's Office of Research and Development initiated the Wildfire Smoke Air monitoring Response Technology (WSMART) Pilot in 2021. The program accelerates moving technologies from research to field use to assess smoke impacts, loaning non-regulatory air monitoring technologies to requesting state, local, and tribal air organizations and to Air Resource Advisors with the Interagency Wildland Fire Air Quality Response Program. The air monitoring systems include two stationary air sensor devices and a Vehicle Add-on Mobile Monitoring System (VAMMS). This presentation will describe the technologies and field activities of WSMART over 2021-2022.</p> <p>Presented by Dr. Amara Holder, EPA</p>	<p>Ballroom 2</p> <p>Zoom Link:</p> <p>Meeting ID: 851 9780 4070</p>

3:00 PM	4:30 PM	<p align="center">Measuring and assessing persistent toxic pollutants in the environment</p> <p>The U.S. Environmental Protection Agency (EPA), in partnership with the National Atmospheric Deposition Program (NADP), the National Park Service (NPS), and the U.S. Geological Survey (USGS), propose a session on persistent environmental contaminants to inform tribes on tools available to monitor and assess atmospheric mercury and health risks for wildlife and people and to update tribes on progress in measuring PFAS in wet deposition.</p> <p>Presented by David Schmeltz, EPA, David Gay, NADP, Colleen Flanagan Pritz, NPS, Collin Eagles-Smith, USGS, Doug Burns, USGS, John Offenberg, EPA</p>	<p align="center">Meeting room 1</p> <p align="center">Zoom Link:</p> <p align="center">Meeting ID: 822 7320 0647</p>
3:00 PM	4:30 PM	<p align="center">Ute Indian Tribe Ambient Air Monitoring</p> <p>The Ute Indian Tribe Air Monitoring team will give some insight on how they maintain and operate their four regulatory air stations on the Uintah and Ouray Indian Reservation.</p> <p>Presented by Lonnie Favel, Ute Indian Tribe</p>	<p align="center">Meeting Room 2</p> <p align="center">Zoom Link:</p> <p align="center">Meeting ID: 878 6976 6040</p>
3:00 PM	4:00 PM	<p align="center">COVID-Specific Strategies for Residential Indoor Environments: What's Known Versus Uncertain Technologies for Controlling Airborne Viruses</p> <p>Since the COVID pandemic began, we have heard much from the scientific community about viral particles and their fate and transport in enclosed spaces. We've also heard about indoor risk reduction strategies, from masking to air filtration and improved ventilation. But new research about COVID and 'capturing' or 'killing' the viral particles seems to be in the press weekly. Misinformation abounds, sometimes from manufacturers of unproven technologies. In this session, a building science professional will also help us separate fact from fiction and recognize the false claims about ventilation and filtration technologies.</p> <p>Presented by Aileen Gagney</p>	<p align="center">Ballroom 3+4</p> <p align="center">Zoom Link:</p> <p align="center">Meeting ID: 815 5324 2553</p>
3:00 PM	4:00 PM	<p align="center">Grants: Understanding the changing relationship between 103/105/TAS/PPG and Match</p> <p>Grants are the first step of the relationship between EPA and Tribes in many cases. This panel presentation will cover the changing relationship of key tribal air grants options and how they relate to each other. This is increasingly important as recent changes have been made to grants oversight that potentially benefit tribal air programs.</p> <p>Presented by Pat Childers, EPA</p>	<p align="center">Ballroom 1</p> <p align="center">Zoom Link:</p> <p align="center">Meeting ID: 818 7342 9713</p>
3:30 PM	4:00 PM	<p align="center">Building Factors Influencing Indoor Air Quality During Smoke Episodes</p> <p>Many tribal communities are exposed to smoke from wildfires, both wildland and controlled burns, for days, weeks, or even months in a given year. With that smoke comes the potential for high concentrations of fine particles (PM2.5) and other pollutants that may cause adverse health risks. A common recommendation during smoke episode is to stay indoors to reduce smoke exposure. However, smoke can infiltrate indoors and may not be effectively removed by the building heating ventilation and air conditioning (HVAC) system. Additionally, building characteristics and occupant behavior can translate to indoor air quality conditions is not well understood. To better understand how these building-related factors impact indoor air quality during a wildfire smoke episode the U.S. Environmental Protection Agency (EPA) is partnering with the Hoopa Valley Tribe which experiences air quality impacts on an annual basis due to wildfire smoke as well as residential woodburning stoves.</p> <p>Presented by Brian McCaughey, Hoopa Valley Tribal EPA</p>	<p align="center">Ballroom 2</p> <p align="center">Zoom Link:</p> <p align="center">Meeting ID: 850 7313 8351</p>
4:00 PM	5:00 PM	<p align="center">Agilaire Presents: AirVision and AV-Trend software updates and Q&A</p> <p>A summary of updates in the current release of AirVision and AV-Trend software, updates on connectivity to Small Sensors, as well as Q&A session for users. Please take advantage of this opportunity to allow us to partner with you on your ambient data monitoring needs.</p> <p>Presented by Steve Drevik, Agilaire</p>	<p align="center">Ballroom 3+4</p> <p align="center">Zoom Link:</p> <p align="center">Meeting ID: 816 2901 6902</p>
		Social Night	Ballroom Foyer
6:00 PM	8:00 PM	Artisans, games and time to reconnect!	

		Wednesday May 4th	
7:30 AM	8:30 AM	Continental Breakfast	Ballroom Foyer
8:30 AM	10:30 AM	Opening General Session: Updates from the White House	Ballroom 3+4
		White House Environmental Justice Advisory Council Dr. Kyle Whyte Indigenous Traditional Ecological Knowledge in Federal Decision-Making Dr. Gretchen T. Goldman and Haley Case-Scott ITEK Listening Session	Zoom Link: Meeting ID: 826 7334 7320
10:30 AM	11:00 AM	Morning Coffee Break	Ballroom Foyer
10:45 AM	11:45 AM	EcoCafe	Ballroom Foyer
12:00 PM	1:15 PM	Alaska Climate Panel & Luncheon	Ballroom 3+4
		Hear the perspectives and experiences of Tribes in Alaska on the impacts of climate change, the challenges facing Native Alaskan Villages, and the steps some communities are taking to attempt to adapt to the quickly changing landscape of Alaska and the polar north. Presented by: Millie Hawley, Tribal Administrator at Kivalina IRA Council Rose Kalistook, Environmental Quality Program Manager, Association of Village Council Presidents	Zoom Link: Meeting ID: 850 2510 4135
1:30 PM	4:30 PM	Concurrent Breakout Sessions	
1:30 PM	2:30 PM	American Rescue Plan (ARP): funding & respectful data sharing, trust & use	Ballroom 1
		On December 13, 2021, USEPA announced the availability of \$20 million in American Rescue Plan (ARP) funding through competitive grants to enhance ambient air quality monitoring in and near underserved communities and to promote partnerships between communities and tribal, state, and local governments. We will award these grants this Fall. USEPA is committed to helping these communities share and use data collected under ARP Grants. This presentation will outline USEPA principles to facilitate respectful data sharing, promote data trust, and respectful use of the data from these grants to empower communities to improve their air quality. Presented by Chet Wayland, EPA	Zoom Link: Meeting ID: 864 0407 5346
1:30 PM	2:30 PM	Burn Wise Educational Materials & Residential Wood Smoke Resource Library	Ballroom 3+4
		The Burn Wise Program goals are to educate homeowners on potential health effects of wood smoke, how to properly use wood burning appliances and promote and support upgrades to cleaner technologies. This presentation will provide an overview of free educational materials available to Tribes, highlight new videos available & share examples of Tribal communities that have used Burn Wise materials. We will also demonstrate how to access and use the EPA's new Residential Wood Smoke Resource Library - an online platform that facilitates information sharing across EPA and state, local and tribal programs to assist in reducing residential wood smoke. Presented by Larry Brockman, EPA	Zoom Link: Meeting ID: 845 8913 7301
1:30 PM	2:30 PM	Developing Indoor Air Sensor Technology Training for Tribal Communities	Ballroom 2
		This presentation will focus on using Low-Cost Air Pollution Monitors to Supplement Traditional IAQ-Best Practices in Tribal Communities. Traditional strategies for improving IAQ focuses on integration of source control, ventilation, and supplemental air cleaning/filtration. However, advances in IAQ-related science and increases in the availability of lower-cost tools like low-cost air pollutant monitors may provide methods to assess indoor air as a complement to these best practices and ways to determine appropriate actions to improve their IAQ. Session attendees are asked to engage in providing input and feedback on training that will make it most helpful to their communities. Presented by Laureen Burton, EPA	Zoom Link: Meeting ID: 819 3922 0542
1:30 PM	2:30 PM	Health impacts of air pollution and climate change: sharing information and stories to promote healthy air	Meeting Room 2
		Moms Clean Air Force will present information from the Indigenous People and Air Pollution in the United States factsheet and other public health resources. We will provide space in small groups for participants to talk about how they share information about health impacts with Tribal members. We will collect the participants' best practices and ideas for engaging more members in these important discussions and decision-making around air quality issues. Presented by Shaina Oliver and Elizabeth Brandt, Moms Clean Air Force	Zoom Link: Meeting ID: 865 1485 6801
1:30 PM	2:00 PM	Effect of ozone exposure on 12 herbaceous plants common to the Great Lakes region	Meeting Room 1
		This study in cooperation with the Forest County Potawatomi Community, investigated the effects of ozone exposure on 12 herbaceous species commonly found throughout the Great Lakes region. Ozone concentrations were controlled to test W126 values of (7), (10), and (15). Photosynthesis and plant biomass were compared between the ozone treatments and their respective ambient controls. Our results show that photosynthesis was not negatively impacted by any of the ozone treatments. Only in the W126 (15) treatment was a negative impact to aboveground biomass detected. Our results corroborate that current ozone standards should not cause significant harm to the plants included in this study. Presented by Dustin Bronson, USFS, Natalene Cummings, Forest County Potawatomi	Zoom Link: Meeting ID: 882 9922 7577

2:00 PM	2:30 PM	TAMS Center Services and Needs Assessment Result Presentation	Meeting Room 1
		Technical support services on air monitoring, emissions inventories, and other assessment projects are available through the Tribal Air Monitoring Support (TAMS) Center. This session provides information on those services. Also the results of the 2021 TAMS Technical Needs Assessment will be shared.	Zoom Link:
		Presented by Christopher Lee, TAMS CoDirector; Mike Natchees, Ute Tribe	Meeting ID: 869 2408 0958
2:30 PM	3:00 PM	Afternoon Snack Break	Ballroom Foyer
3:00 PM	4:00 PM	Ute Mountain Ute Tribe AQ Program Updates	Meeting Room 1
		The Ute Mountain Ute Tribe Air Quality Program has had instrument upgrades and added sensors to our inventory, as well as re-located the portable ozone system. We would like to share how changes were carried out, how the new devices or locations added to our data collection resources and affected the overall program. (We also may include strategies for using a screening tool for the Radiological TSP [rad] Monitoring Program using Open Refine. This technique is projected to cut down expensive rad analyses that had been performed in the past.) We also obtained an EJ Grant and would like to share the initial implementation of the AQ plans under that proposal.	Zoom Link:
		Presented by Janice Archuleta, Ute Mountain Ute Tribe	Meeting ID: 846 8106 3403
3:00 PM	4:00 PM	Expansion of 2020 Sensor Loan Program in Tribal Communities	Ballroom 1
		Heritage University (HU) Students will present on their work implementing the Air Quality project curriculum that was developed by the EPA and Tribal Partners. Although a QAPP is not required for educational and informational outreach projects in schools, the grant requirements of tribal organizations may require a QAPP for all environmental data collection. In this presentation the Environmental Education Outreach Program and Aleut International Association will present the making of a QAPP which details the start of this type of program.	Zoom Link:
		Presented by India Young, EPA Region 10, Students of Heritage University on Yakama Reservation, Josie Kamkoff, ITEP, Nadine Kochuten	Meeting ID: 829 6484 9511
3:00 PM	4:00 PM	The Fight to Breathe in Chelsea, MA	Meeting Room 2
		Chelsea ranks third in Massachusetts as the most intensively overburdened community for potential hazardous exposures due to the high density of environmentally hazardous industrial facilities and sites. In my proposed presentation, I will address how we, at GreenRoots, are implementing projects addressing both indoor and outdoor air quality. Our goal is to better understand what Chelsea residents are exposed to in their homes so that we can advocate for transformative policies to address indoor air quality. Information collected from our outdoor air quality work will guide us as we enforce air pollution laws and regulations in the spirit of accountability.	Zoom Link:
		Presented by Layne Benton, GreenRoots Chelsea	Meeting ID: 833 6464 2140
3:00 PM	3:30 PM	PFAS Concentrations and Deposition in Precipitation: An Intensive 5-Month Study at National Atmospheric Deposition Program – National Trends Sites (NADP-NTN) across Wisconsin, USA	Ballroom 3+4
		Atmospheric transport and processing of per- and polyfluoroalkyl substances (PFAS) leads to deposition and accumulation of these compounds in soils and waterbodies, but measurements of flux and deposition rates remain sparse and underdeveloped. David Pfothenauer, Air Monitoring Chemist at the Wisconsin Department of Natural Resources will present the findings of a comprehensive PFAS in rainwater study conducted across Wisconsin in 2020. In summary, 91 precipitation samples were collected from 8 National Trends Network sites across Wisconsin through the National Atmospheric Deposition Program, including the Forest County Potawatomi Community site. The precipitation samples were analyzed for a suite of 34 PFAS compounds to provide measurements of speciated PFAS concentrations and flux values to terrestrial matrices in the Great Lakes Region.	Zoom Link:
		Presented by David Pfothenauer, Air Monitoring Chemist, Wisconsin Department of Natural Resources	Meeting ID: 875 9518 5979
3:00 PM	3:30 PM	PCB Study in Akwesasne	Ballroom 2
		Akwesasne has been affected by PCB's for many years from neighboring industries. The Tribe has always analyzed air samples for the different Aroclors known to have negative affects. This new study analyzed air samples for all 209 congeners.	Zoom Link:
		Presented by Angela Benedict, Saint Regis Mohawk Tribe	Meeting ID: 819 0822 5884
3:30 PM	4:00 PM	Summer of Smoke: 2021 Wildfire Impacts on Air Quality in the Upper Midwest	Ballroom 3+4
		A compelling review of wildfire smoke management on Tribal lands in R5 (Midwest) in a responsive presentation coordinated by the Tribes, State of MN, USFS and Tribes performing duties with USFS as ARAs.	Zoom Link:
		Presented by Charlie Lippert - Mille Lacs Band, Virtually, David Brown - State of Minnesota	Meeting ID: 891 6731 8433
3:30 PM	4:00 PM	Getting Creative: How we Ensure Morongo meets EPA's QA Requirements	Ballroom 2
		Morongo Band of Mission Indians' Tribal Air Program collects regulatory data for O3 and informational data for PM2.5 and NO2. This presentation will examine some of Morongo's hurdles and discuss some of the creative solutions Morongo TAP has put into place over time to ensure their program is meeting EPA monitoring and data validation guidelines and requirements.	Zoom Link:
		Presented by Pamela Atcitty, Morongo Band of Mission Indians	Meeting ID: 870 5579 1884
6:00 PM	8:30 PM	Virgil Masayesva Awards Dinner	Ballroom 3+4
		Invocation & Welcome	
		Cultural Performance & Virgil Masayesva Memorial Slideshow	Zoom Link:
		TAMS 20 Year Anniversary Celebration Statement & Video	
		Presentation and Acceptance of Recognition & Awards	
		Awardee Receiving Line & Honor Song	Meeting ID: 859 6200 9642

Thursday May 5th			
8:00 AM	9:00 AM	Continental Breakfast	Ballroom Foyer
Concurrent Breakout Sessions			
9:00 AM	10:00 AM	<p style="text-align: center;">Air Pollution in American Indian Versus Non-American Indian Communities, 2000-2018</p> <p>Our work analyzes total fine particulate matter (PM2.5) and PM2.5 component concentrations over time between American Indian and non-American Indian populated counties. Between 2000 and 2018, total PM2.5 concentrations decreased less among American Indian populated compared to non-American Indian-populated counties, with significantly higher total PM2.5 concentrations found in American Indian versus non-American Indian populated counties in recent years. We observed differential trends by PM2.5 component. This study highlights disparities in PM2.5 trends between American Indian and non-American Indian populated counties over time, underscoring the need to strengthen air pollution regulations and prevention implementation on tribal lands where American Indians live.</p> <p style="text-align: center;">Presented by Maggie Li, Columbia University Mailman School of Public Health</p>	Meeting Room 2 Zoom Link: Meeting ID: 860 2979 3095
9:00 AM	10:00 AM	<p style="text-align: center;">Light absorbing particles (carbon) sampling on the Bishop Paiute Reservation</p> <p>This presentation will discuss sampling projects investigating combustion related soot pollution, using an Aeth Labs MA200 portable multi-channel aethalometer. We will cover the purpose, sampler selection, methods and QAPP, meteorology, and outcomes of the studies.</p> <p style="text-align: center;">Presented by Emma Ruppell, Bishop Paiute Tribe</p>	Meeting Room 1 Zoom Link: Meeting ID: 822 7932 8262
9:00 AM	10:00 AM	<p style="text-align: center;">Mobile Sources Combo Pack: Part 1</p> <p>Volkswagen Settlement Summary Report Diesel Emissions Reduction Act (DERA) Tribal Program Overview & FY22 RFA / Bipartisan Infrastructure Law – Clean School Bus Application process Prairie Band Potawatomi Nation updates</p> <p style="text-align: center;">Presented by Mark Daniels, ITEP, Lucita Valiere, OTAQ, Billie Toledo, Prairie Band Potawatomi Nation, Region 7</p>	Ballroom 1 Zoom Link: Meeting ID: 894 6044 1772
9:00 AM	10:00 AM	<p style="text-align: center;">Tribal Professional Development Plan for CY2023 and beyond</p> <p>This will be an interactive session led by Bill Auberle and Laura McKelvey to present the Tribal Professional Development Plan 2023. Participants will be asked to provide feedback on Tribal Needs, Training Priorities and other insight on support Tribal Professional Development</p> <p style="text-align: center;">Presented by Laura McKelvey and Bill Auberle</p>	Ballroom 2 Zoom Link: Meeting ID: 812 0981 3480
9:00 AM	10:00 AM	<p style="text-align: center;">Wildland Fire and Prescribed Burning: The Challenge of Protecting Public Health and Mitigating Devastating Fires and Smoke</p> <p>The severity, frequency, and geographic impact of wildland fires and smoke are increasing rapidly due to climate change. One tool for mitigation of uncontrolled, intense wildland land fire is controlled, or prescribed burning. Historically, many indigenous communities used prescribed fire to manage the health of forests and other tribal lands. Join this session to learn the latest research on the impacts of prescribed fire versus wildland fire and remaining data gaps, to learn and share historical knowledge and experiences of prescribed and cultural burning, and to join a discussion of the complex challenge of preventing devastating wildland fires while also working to protect air quality and public health.</p> <p style="text-align: center;">Presented by Erin McTigue, EPA</p>	Ballroom 3+4 Zoom Link: Meeting ID: 821 3113 6211
10:00 AM 10:30 AM Morning Coffee Break			
10:30 AM	11:30 AM	<p style="text-align: center;">Mobile Sources Combo Pack: Part 2</p> <p>EPA Mobile Source Regulatory Update Q/A for the Office of Transportation and Air Quality</p> <p style="text-align: center;">Presented by Jessie Mroz, OTAQ and Mobile Source Regulatory Leads</p>	Ballroom 1 Zoom Link: Meeting ID: 898 4625 2987
10:30 AM	11:30 AM	<p style="text-align: center;">Federal and Tribal Methane Regulations</p> <p>Will utilize a panel comprised of regulators from US EPA, BLM, EDF, and Navajo Nation EPA to discuss federal and tribal methane regulations.</p> <p style="text-align: center;">Presented by Eric Kills A Hundred, Environmental Defense Fund</p>	Meeting Room 2 Zoom Link: Meeting ID: 820 2896 1152
10:30 AM	11:30 AM	<p style="text-align: center;">Meteorological Station Calibrations in the Owens Valley</p> <p>Calling all weather and gadget geeks! Presenter(s) will take you on a photographic and educational odyssey of our meteorological instrumentation checks, calibrations, and services. Join us to swap stories and compare notes on all things meteorological.</p> <p style="text-align: center;">Presented by Emma Ruppell and Cindy Duriscoe</p>	Meeting Room 1 Zoom Link: Meeting ID: 896 3022 4590
10:30 AM	11:30 AM	<p style="text-align: center;">Reducing Radon Exposure in Tribes</p> <p>This joint presentation by EPA Indoor Environments Division (IED), EPA Regions, and tribal staff will focus on effective approaches and new resources to assist tribes in radon reduction efforts. Attendees will learn about a recent waiver for tribal cost-sharing within EPA's radon grant program, new tribal radon resources, and successful tribal radon efforts currently underway.</p> <p style="text-align: center;">Presented by Secody Hubbard, EPA, Virtually</p>	Ballroom 3+4 Zoom Link: Meeting ID: 814 0265 5112
10:30 AM	11:00 AM	<p style="text-align: center;">TEOM 1405 Data Acquisition Discrepancies</p> <p>Thermo Scientific's TEOM 1405 is a Federal Equivalent Method for monitoring ambient PM10 concentrations. The Gila River Indian Community's Air Quality Program has been using three of these instruments to monitor for PM10 across the reservation since 2013. In 2020, the Air Program staff discovered two historically acceptable methods of collecting the data from the instrument yielded significantly different 24-hour average concentrations. This presentation will present the results of our analysis.</p> <p style="text-align: center;">Presented by Ryan Eberle, Gila River Indian Community</p>	Ballroom 2 Zoom Link: Meeting ID: 849 9938 2496

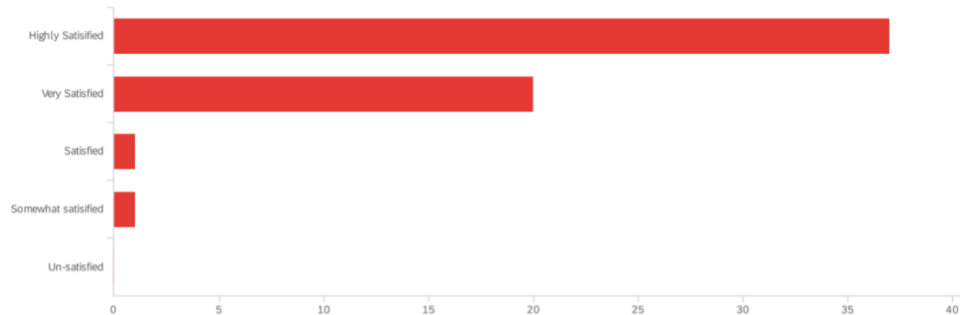
11:30 AM	1:00 PM	Box Lunch Grab & Go to Session of your Choice	
11:30 AM	12:45 PM	Tribes and Sovereignty – Tribal Caucus Session	Ballroom 2
		This session is an opportunity for tribes to come together and begin discussion amongst themselves on the issues that have possible effects or outcomes that may affect tribal governance and self-determination. Tribal staff will have an opportunity to hear from Tribal Leadership regarding Tribal Sovereignty and also hear from Tribal program staff who are addressing issues with relevance to tribal sovereignty concerns.	Zoom Link:
		Facilitators: Mike Natchees, Ute Tribe; Leroy Williams, GRIC	Meeting ID: 810 4920 2330
11:30 AM	12:30 PM	Chat with Pat	Ballroom 1
		Bring your lunch and your questions for the fan favorite 'Chat with Pat'!	Zoom Link:
		Pat Childers, EPA	Meeting ID: 814 8112 7019
1:00 PM	3:00 PM	Closing General Session	Ballroom 3+4
		Closing, Raffle	Zoom Link:
			Meeting ID: 850 4618 9496
4:15 PM		Breath of Fresh Air Fun Run & Walk 5K	

APPENDIX C: Summary of NTFAQ Attendee Evaluations

From 59 Responses
With Graphs and Participant Comments

2022 NTFAQ Final Evaluation Report

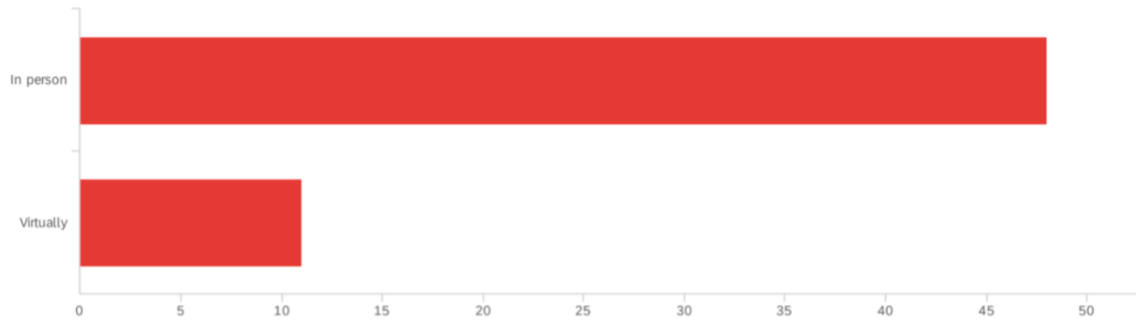
Q1 – Overall, how satisfied were you with the 2022 NTFAQ Virtual Conference?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	I am	7.00	10.00	7.42	0.62	0.38	59

#	Field	Choice Count
7	Highly Satisfied	62.71% 37
8	Very Satisfied	33.90% 20
9	Satisfied	1.69% 1
10	Somewhat satisfied	1.69% 1

Q2 – How did you participate in this year’s conference?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How did you participate in this year's conference?	1.00	2.00	1.19	0.39	0.15	59

#	Field	Choice Count
1	In person	81.36% 48
2	Virtually	18.64% 11
		59

Q3 – If you participated in the field trips, what was the best part?

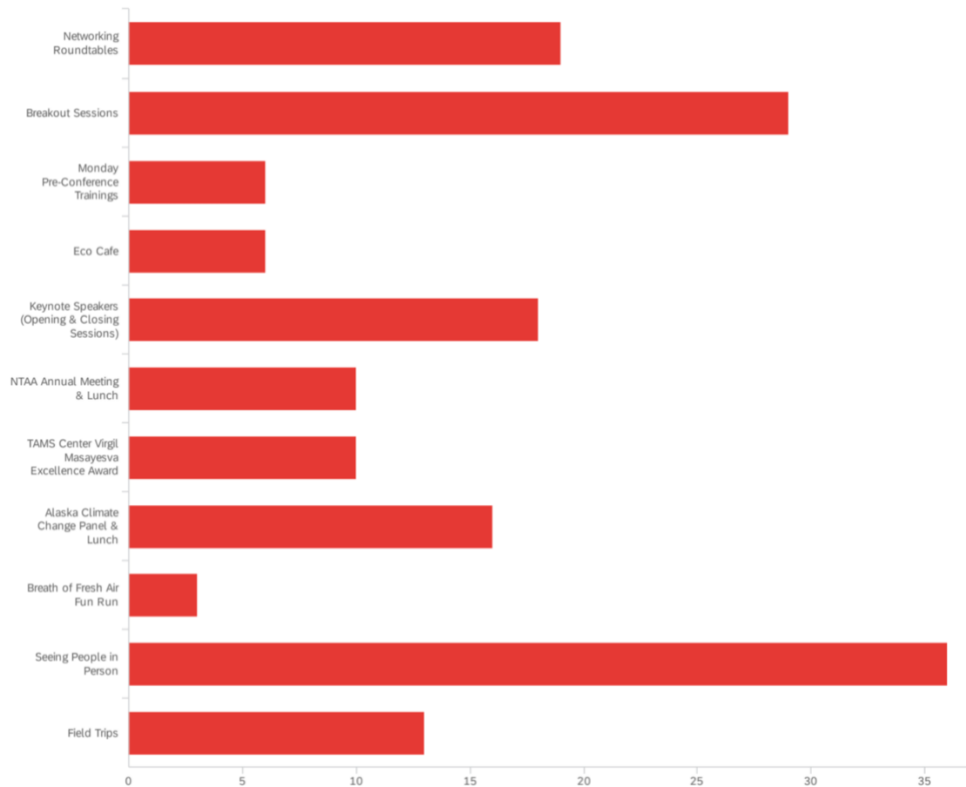
- N/A or Did not Attend (27)
- History of the area
- Butterfly Farm (11)
- Learning about the conservation work at Euchee
- Bee Farm

Q4 – If you participated in the evening activities, share a highlight:

- N/A or Did not participate (9)
- Awards Dinner (7)
- The food, the fun, the interaction with people
- Sharing stories and memories with new and old friends
- Meeting Lindy Waters and playing climate change game
- The story from Lyndie was very inspiring and the tribal teens who presented and performed during the award night

- First conference. I enjoyed the nice and kind people and hearing their stories. I like to learn new things. The Alaska talk was very interesting.
- Muscogee youth talents
- Meeting Lindy Waters III, Native American NBA player, and also the drummers/singers
- Enjoyed meeting new airheads
- Great networking opportunity
- Seeing everyone!
- Game night on the first day was fun
- Drum Circle
- The Muscogee youth council presentation

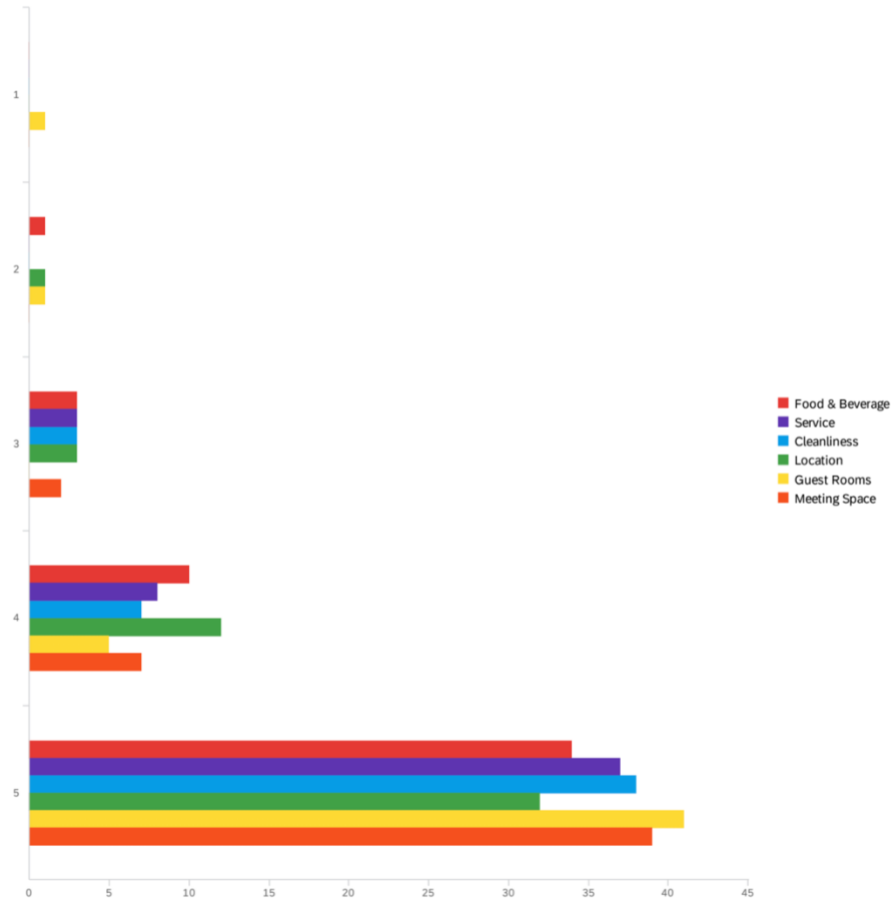
Q5 - What were your TOP 3 favorites parts of the NTFAQ?



1. Seeing people in-person (36 or 21.69%)
2. Breakout Session (29 or 17.47%)
3. Networking Roundtables (19 or 11.45%)
4. Keynote Speakers (Opening and Closing Sessions) (18 or 10.84%)
5. Alaska Climate Change Panel & Lunch (16 or 9.64%)
6. Field Trips (13 or 7.83%)
7. NTAA Annual Meeting & Lunch (10 or 6.02%)

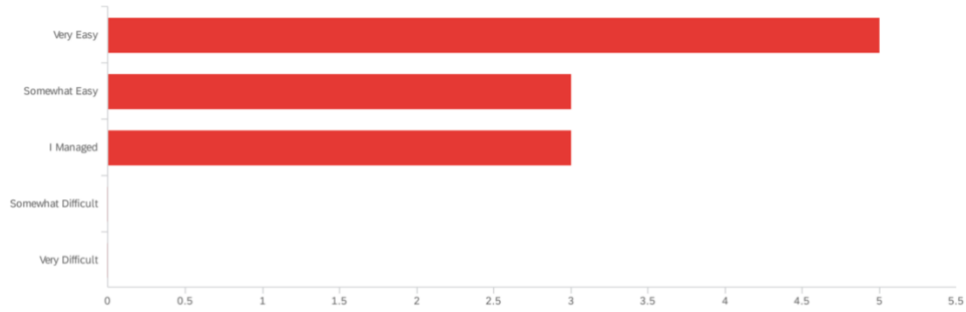
- 8. TAMS Center Virgil Masayesva Excellence Award (10 or 6.02%)
- 9. Monday Pre-Conference Trainings (6 or 3.61%)
- 10. Eco-Café (6 or 3.61%)
- 11. Breath of Fresh Air Fun Run (3 or 1.81%)

Q6 – Please rate this year’s venue 1 – 5 (5 being the highest)



#	Field	1	2	3	4	5	Total
1	Food & Beverage	0.00% 0	2.08% 1	6.25% 3	20.83% 10	70.83% 34	48
2	Service	0.00% 0	0.00% 0	6.25% 3	16.67% 8	77.08% 37	48
3	Cleanliness	0.00% 0	0.00% 0	6.25% 3	14.58% 7	79.17% 38	48
4	Location	0.00% 0	2.08% 1	6.25% 3	25.00% 12	66.67% 32	48
5	Guest Rooms	2.08% 1	2.08% 1	0.00% 0	10.42% 5	85.42% 41	48
6	Meeting Space	0.00% 0	0.00% 0	4.17% 2	14.58% 7	81.25% 39	48

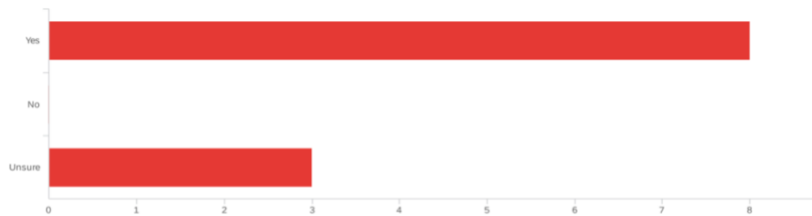
Q7 – How easy was it to navigate Zoom for the sessions?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Zoom Navigation	1.00	3.00	1.82	0.83	0.69	11

#	Field	Choice Count
1	Very Easy	45.45% 5
2	Somewhat Easy	27.27% 3
3	I Managed	27.27% 3
4	Somewhat Difficult	0.00% 0
5	Very Difficult	0.00% 0
		11

Q8 – Do you plan to attend in-person next year?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Do you plan to attend in-person next year?	1.00	3.00	1.55	0.89	0.79	11

#	Field	Choice Count
1	Yes	72.73% 8
2	No	0.00% 0
3	Unsure	27.27% 3
		11

Q9 – What topics were well covered at the NTFAQ?

- Tribes and Sovereignty – Tribal Caucus was very informational
- Air monitor updates
- ARP Funding
- Network Roundtables; OAR/Tribal Air Programs/ Grants
- Air Quality issues related to wildfire smoke
- Grants and Funding issues
- Air Quality and Data logging
- TEK and Sovereignty, climate change
- Air Monitoring, specific needs for tribes
- Enjoyed the classes on QREST, data logger communications, PFAS, and MET station calibrations
- Wildfire, cultural burns
- New science/data sessions
- EPA viewpoints
- Ambient and indoor monitoring and equipment
- Mining & Drilling’s environmental impacts, Wildfire smoke hazards
- Air Quality
- Sensors and Wildfire Smoke
- Climate Change
- Grant Session
- TEK
- Radon and grant
- QAPP issues
- Tribal Sovereignty, climate change, air in tribal communities, methane
- ITEP training
- Implementation of air quality programs

Q10 – What topics were missing?

- Available future funding
- Climate change issues experienced by others
- More tribal case studies
- Current funding opportunities
- More PM monitoring
- More native culture
- Program audits
- Air borne contaminants affecting/causing health problems
- Emissions inventory
- State/Tribal relations
- Emission inventory guidance, how to jump start tribal support from tribal leaders and their importance in environmental issues

- Data and validation
- Disbursement of information
- CO2 Topics
- Enforcement

Q11 – What can we do to improve for next year?

- Have frybread at the NTAA annual meeting
- Ice breakers for each general session
- Find ways for vendors to be more involved in presentations, start the process early so we can offer a presentation or training
- Seeing presentations that tell a story on the impact of climate change has on tribal lands and how people are dealing with the issue
- Improve zoom interface and a virtual event POC for issues and questions
- Less sessions that are 4 hours long
- Breakout sessions bunched up on the last day
- Zoom management
- More science/study presentations
- Less EPA leads
- Have water on every table
- Many of the presentations were the same
- Eco café More time in group session
- More time in the group sessions
- The process after being accepted to present felt unorganized. Smoothing that process out will make things better
- Keep it hybrid
- Have tribes demonstrate costume and dance
- Spacing out awards/ having stretch break
- More field trips and activities
- Keep the level of planning
- More diversity

Q12 – Professional Development: Please indicate what type of opportunities are needed for your job.

#	Field	Choice Count
1	Indoor Air Quality	8.86% 21
2	Grant Management	8.86% 21
3	Air Monitoring Equipment	9.28% 22
4	Air Quality Sensor Technology	8.44% 20
5	Air Quality Permits	5.49% 13
6	Clean Air Act (Tribal Authority Rule/Treatment As a State)	7.59% 18
7	Emissions Inventories	6.33% 15
8	Data Submission (AQS)	6.75% 16
9	Data Management and Validation	6.75% 16
10	Quality Assurance Project Plans (QAPP)	4.64% 11
11	Introduction to Tribal Air Quality	5.06% 12
12	Wildfire and Air Quality	6.33% 15
13	Education and Outreach for Air Quality	9.70% 23
14	Other: Please Specify	2.53% 6
16	N/A I don't need any training and/or I do not work for a Tribe	3.38% 8
		237

Q13 – Other: Please Specify

Other: Please Specify

Policy Advisor

At intro to Indoor at ITEP, we had a group assignment to compose a mock presentation to tribal admin on air quality. I found that activity incredibly helpful. It could be "square room" discussions. Round table discussions but longer. More interactive.

Independent audits on monitors.

How to start and where to start in a new program. Who to go to and how to develop a plan of learning air programs

Base line

We make software - so keeping on edge

Q14 – Are you interested in presenting at a future NTFAQ, or do you know someone we should reach out to as a presenter or key note speaker? If so, please provide your name, the topic, and email so we can reach out to you?

- Bob Kinsella, T640 hands on training (no email)
- Lucite Valiere, Tribal DERA program Clean School Bus Program, email: valiere.lucita@epa.gov
- Emma.ruppell@bishoppaiute.org
- Layne Benton (no email)
- Mille from Kivalina, Alaska (no email)

Q13 – The RFP for the 2023 NTFAQ is now available. If you would like to submit a proposal to be our 2023 Host Tribe, please to reach out to J.Sokol@nau.edu

- ctorres@viejas-nsn.gov
- environmental@nunachiak.org

APPENDIX D: Photos from 2022 National Tribal Forum on Air Quality



View of the Arkansas River from the Muscogee Conference Center Hotel



ITEP's Sharlene Brown hosted the registration table.



The 2022 NTAA Executive Committee and supporting ITEP staff



This year's recipients of the Virgil Masayesva Award. Emma Ruppell, Bishop Paiute Tribe (left) and Kris Ray, Confederated Tribes of the Colville Reservation. Special recognition was awarded to April Hathcoat from the Cherokee Nation (center).



The annual Breath of Fresh Air fun run and walk raised over \$1100 for the Muscogee Nation Youth Service after the closing NTFAQ session. NTAA Director Andy Bessler was the first place finisher of this year's fun run.



NTAA Chairwoman Syndi Smallwood welcomed NTFAQ attendees at the opening ceremony.



Muscogee Nation's Principle Chief David Hill welcomed NTFAQ attendees during the opening ceremony



Muscogee Nation Color Guard at Opening Ceremonies for the 2022 NTFAQ



ITEP provided a warm welcome to NTFAQ attendees from NAU's Ann Marie Chischilly the new Vice President for the Office of Native American Initiatives (ONAI) at Northern Arizona University (right) and ITEP's Assistant Director Nikki Cooley (left).



The NTFAQ Networking Session included tables for several air quality topics for NTFAQ attendees to discuss topics from Climate Change, Air Monitors, and EPA Funding



(Left to Right) Members of the Muscogee Nation Youth Services presented their diverse and traditional skills to NTFAQ attendees. ITEP's Events Coordinator Julie Sokol, Muscogee Nation's Jennifer Reyer and ITEP videographer Amanda Kapp made a great support team to implement a successful in-person and virtual NTFAQ. One of the NTFAQ outings includes a visit to the Muscogee Nation Principal Chief and Second Chief's office. NTAA's informational table provided a great stop during the NTFAQ EcoCafe.