



**SUMMARY REPORT:
2021 NATIONAL TRIBAL
FORUM ON AIR QUALITY
&
NTAA ANNUAL MEETING**

SUBMITTED JULY, 2021



*50 years of the Clean Air Act and How
Traditional Wisdom Will Lead Us Into
the Future*



**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.

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Introduction

This report summarizes the National Tribal Forum on Air Quality (NTFAQ) and the National Tribal Air Association's (NTAA) Annual Meeting held virtually this year due to public safety concerns due to the COVID Pandemic. The NTFAQ was hosted by the Muscogee Nation, May 17-20, 2021. This report includes a narrative summary, data on NTFAQ attendees, lessons learned and several appendixes including:

- Appendix A: Agenda of the 2021 NTAA Annual Meeting,
- Appendix B: Agenda of the 2021 National Tribal Forum on Air Quality,
- Appendix C: Summary of NTFAQ evaluations from the 83 responses of NTFAQ attendees,
- Appendix D: Feedback from the NTAA Survey, and
- Appendix E: Photos from the 2021 National Tribal Forum on Air Quality.

This year's NTFAQ was the 14th year that ITEP and the NTAA co-sponsored the conference, and the 21st year that ITEP has hosted the NTFAQ in general.

This year's conference agenda included general plenary sessions, breakout sessions, pre-forum social & soft kickoff, Networking, and the annual Virgil Masayesva Awards Ceremony. Each year, conference organizers brainstorm fresh ideas to add to the conference. New items added to this year's forum included the pre-recorded presentations due to the virtual platform used for this year's NTFAQ hosted by Open Water. Overall, attendees for this year's NTFAQ were "Highly Satisfied" with the 2021 NTFAQ virtual conference. Many participants highlighted the benefit of this year's NTFAQ were breakout sessions and the content of the breakout sessions. 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.

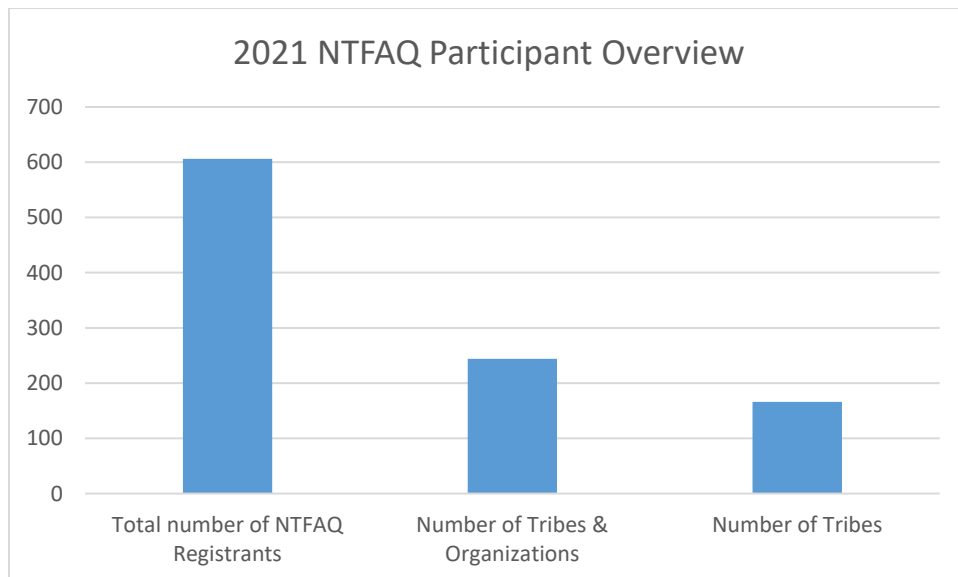
After opening ceremonies, an eloquent and inspiring keynote speech was delivered by Linda Black Elk an Ethnobotanist and member of the Oceti Sakowin Nation.

Based on the 83 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, cultural activities & videos, and the keynote speakers (opening and closing). Several of the agenda items that were well received at this year's NTFAQ included the following:

- Networking at NTFAQ with Chris Lee;

- Plenary Sessions including Linda Black Elk Keynote Address, Chat with Pat – Tribal Air Program Faces, Funds, focus, & Future, and Meet and Greet with Mom’s Clean Air Force with Andy Bessler and Randy Ashley;
- Short trainings on Monday & Friday included Networking at NTFAQ, AQS Training Resources for Tribes with Stuart Gray, and Beading 101 with Camille Quickbear and Mariah Ashley;
- Data Loggers & Remote Connectivity with Mike King, Christian A. Kirk, and Keith Moore, Ask the AQS Expert with Stuart Gray, and AQ Treks and the Personal Air monitor: A Training on Mobile Monitoring with Jessa Ellenburg, and Brandon Velivis;
- Air Quality Policy and Regulation Sessions, including the presentation Air Quality Policy 101 with Charles Buckler (EPA), Ian Fisher (NTAA PAC), Hillary Ward (EPA), Jessie Mroz (EPA), and Eugenia Quintana (Navajo Nation), Air Quality Policy Advanced with Christine Kester (EPA), Regina Chappell (EPA), Laura McKelvey (EPA), Lucita Valiere (EPA), and Faye Swift (EPA);
- Indoor Air Quality Sessions, including presentation on EPA’s Tribal IAQ Training and Resource Directory with Amanda Hong, Creative and Effective IAQ outreach methods during COVID with Aileen Gagney, and Bemidji Area Indian Health Services interagency agreement with US EPA to provide technical and professional assistance to tribal government with Francis Park.

There were 606 virtual attendees representing over 244 different entities, including 166 Tribes and inter-tribal organizations, state and federal government agencies and others. Nearly Fifty (50) breakout, plenary, and optional sessions were delivered with 56 presenters and panelists.



Tribes & Tribal Organizations Represented at the 2021 NTFAQ

Ak-Chin Indian Community	Confederate Tribes of Warm Springs
Akiachak Native Community	Confederated Umatilla Tribes
Alaska Native Tribal Health Consortium	Coushatta Tribe of Louisiana
Anvik Village	Delaware Nation of Oklahoma
Augustine Band of Cahuilla Indians	Eastern Band of Cherokee Indians
Bad River Band of Lake Superior Chippewa	Elko Band Council
Bay Mills Indian Community	Fallon Paiute-Shoshone Tribe
Bear River Band of the Rohnerville Rancheria	Fond du Lac Band of Lake Superior Chippewa
Big Pine Paiute Tribe of the Owens Valley	Forest County Potawatomi Community
Big Sandy Rancheria	Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation
Bishop Paiute Tribe	Fort McDowell Yavapai Nation
Blue Lake Rancheria	Fort Peck Assiniboine & Sioux Tribes
Bois Forte Band of Chippewa	Fort Sill Apache Tribe
Cabazon Band of Mission Indians	Gila River Indian Community
Cahto Tribe of the Laytonville Rancheria	Great Lakes Inter-Tribal Council
Campo Band of Mission Indians	Grand Portage Band of Chippewa
Cherokee Nation of Oklahoma	Gun Lake Tribe
Cheyenne and Arapaho Tribe	Habematolel Pomo of Upper Lake Tribe
Chickahominy Indian Tribe- Eastern Division	Hidatsa-Mandan
Chickasaw Nation	Ho-Chunk Nation
Chippewa Cree	Hoopa Valley Tribe
Choctaw Nation of Oklahoma	Hopi Tribe
Citizen Potawatomi Nation	Iipay Nation of Santa Ysabel
Cocopah Indian Tribe	Iliamna Village Council
Coeur d'Alene Tribe	Jamal Indian Village
Colorado River Indian Tribes	Kalispell
Comanche Nation	Ketchikan Bay Indian Community
Confederated Salish & Kootenai Tribe	Keweenaw Bay Indian Community
Confederated Tribes of Coos, Lower Umpqua and Siuslaw Indians	Kialegee
Confederated Tribes of Grand Ronde	Kickapoo Tribe in Kansas
Confederated Tribes of the Colville Reservation	Klawock Cooperative Association, Tribe

Kodiak Area Native Association	Muscogee Nation
Kootenai Tribe of Idaho	Native Village of Afognak
La Jolla Band of Luiseno Indians	Native Village of Unalakleet
La Posta Band of Mission Indians	Navajo Nation
Lac du Flambeau Band of Lake Superior Chippewa Indians	New Koliganek Village Council
Leech Lake Band of Ojibwe	Nez Perce Tribe
Little Traverse Bay Bands of Odawa Indians	Northern Arapaho

Lone Pine Paiute-Shoshone Reservation	Northern Cheyenne Tribe
Louden Tribal Council	Northwestern Band of the Shoshone Nation
Manzanita Band of the Kumeyaay Nation	Ojo Encino Chapter (Navajo)
Matawa First Nations	Omaha Tribe
Metlakatla Indian Community	Organization of Kake
Middletown Rancheria of Pomo Indians	Orutsaramiut Native Council
Mille Lacs Band of Ojibwe	Otoe-Missouria Tribe of Indians
Mississippi Band of Choctaw Indians	Ottawa Tribe of Oklahoma
Monacan Indian Nation	Paiute Tribe of Utah
Morongo Band of Mission Indians	Pala Band of Mission Indians
Mississippi Band of Choctaw Indians	Pascua Yaqui

Passamaquoddy Tribe	Puyallup
Pauma Band of Mission Indians	Pyramid Lake Paiute Tribe
Pechanga Band of Luiseño Indians	Qagan Tayagungin Tribe
Penobscot Indian Nation	Quapaw Nation
Peoria Tribe of Indians	Rappahannock Tribe
Pinoleville Pomo Nation	Red Cliff Band of Lake Superior Chippewa Indians
Pitkas Point Traditional Council	Red Lake Band of Chippewa Indians
Poarch Band of Creek Indians	Robinson Rancheria
Ponca Tribe of Nebraska	Sac and Fox Nation
Port Graham Village Council	Sac and Fox Nation of Mississippi in Iowa
Prairie Band Potawatomi Nation	Saint Regis Mohawk Tribe
Pueblo of Acoma	San Carlos Apache Tribe
Pueblo of Isleta	Santa Ana Pueblo
Pueblo of Jemez	Santa Rosa Rancheria (Tachi Yokut Tribe)
Pueblo of San Felipe	Santa Ynez Band of Chumash
Pueblo of Santa Ana	Santee Sioux Nation
Pueblo of Zia	Sauk-Suiattle Indian Tribe
Pueblo of Zuni	Sault Ste. Marie Tribe of Chippewa Indians

Seneca Nation	Tuscarora
Shoshone-Bannock Tribes	Twenty-Nine Palms Band of Mission Indians
Sisseton Wahpeton Oyate	United Keetoowah Band
Soboba Band of Luiseño Indians	Upper Mattaponi Indian Tribe
Spokane Tribe of Indians	Ute Indian Tribe
St. Croix Chippewa Indians of Wisconsin	Walker River Paiute Tribe
St. Regis Mohawk Tribe	Washoe Tribe of Nevada and California
Standing Rock Sioux Tribe	We Wai Kai Nation (Hawaii)
Swinomish Indian Tribal Community	White Mountain Apache Tribe

Table Mountain Rancheria	Winnebago Tribe of Nebraska
Taos Pueblo	Wyandotte Nation
Te-Moak Tribe of Western Shoshone	Yakama Nation
Tejon Indian Tribe	Yavapai-Apache Nation
The Seminole Tribe of Florida	Yerington Paiute Tribe
Torres Martinez Desert Cahuilla Indians	Yocha Dehe Wintun Nation
Traditional Council of Togiak	Yurok Tribe

Other Entities Represented at the 2021 NTFAQ

1854 Treaty Authority
2B Technologies
AINA
Air Resource Specialists, Inc.
Alaska Native Health Consortium
All-Terrain (Ethno-Archaeological) Consulting
American Ecotech
American Indian Higher Education Consortium/Southwest Climate Adaptation Science Center
Alaska Native Tribal Health Consortium
Arizona Department of Health Services
Association of Village Council Presidents
Atlanta Health and Safety, LLC
Belba & Associates
Blue Thunderbird, LLC
Bureau of Indian Affairs
Center of Disease Control/Agency for Toxic Substances and Disease Registry
Chichihualli Lactation & Family Wellness
Climate Science Alliance
Clinical Infection Control Supplies
Colorado Department of Public Health and Environment
CTUIR Department of Natural Resources EESP
CU Boulder CIRES / NOAA GML
Department of Agriculture
Duke University/University of Arizona/All-Terrain Consulting
Earth Team
EN3 Professionals, LLC
The GLOBE Network
Haskell Indian Nations University

Hawaii State Energy Office
Heritage University
Indian Health Services
Indigenous Vision (Hopi/Onondaga)
Institute for Tribal Environmental Professionals
Inter-Tribal Council of Arizona, Inc.
Jill Grant & Associates
The Mannik & Smith Group
Max Planck Institute for Chemistry
Minnesota Pollution Control Agency
Moms Clean Air Force
National Association of Clean Air Agencies (NACAA)
National Atmospheric Deposition Program
The National Tribal Air Association
Nevada Early Intervention Services, Reliant Healthcare
New Mexico State University Climate Center
NFPI Clean Up Advisory Group
North Carolina State University & Southern Fire Exchange
NSF Center for Aerosol Impacts on Chemistry of the Environment
Open Environment Software
Oregon State University
Sustainability Alliance
Thermo Fisher Scientific
Tribal Air Monitoring Support Center
Tribal Healthy Homes Network
UC Davis
UC San Diego
University of Arizona
University of California Davis
University of California San Diego
University of Hawaii at Hilo
University Press of Florida
University of Utah
University of Washington
Urban Natives/Carver's Camp Canoe Family
US EPA Office of Atmospheric Programs
US EPA Office of Transportation and Air Quality
US EPA/OAQPS
US EPA/OIG
US EPA-ORIA-IED

US EPA Region 4
US EPA Region 5
US EPA Region 7
US EPA Region 9
US EPA Region 10
Utah State University
UU Ministry for the Earth
UW-Madison
Wyoming Department of Environmental Quality
ZON Architects, Inc

The 2021 NTAA Annual Meeting

The National Tribal Air Association held its Annual Meeting on Tuesday, May 20, 2021, and attended by 188 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 Carol Kriebs, 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. Dara Marks-Marino and Mariah Ashley, the NTAA Senior Research Specialist and Program Coordinator, presented a summary of the 2021 STAR, highlighting the recommendations and Tribal stories. In closing, the NTAA Chairwoman facilitated an open discussion by NTAA member Tribes.

Copies of the 2021 STAR were mailed to EPA senior leadership and a STAR Release Webinar was hosted by NTAA leadership on June 14th with 113 in attendance.

There was sufficient opportunity for open discussion by NTAA member Tribes in the middle part of the agenda. This was scheduled in order to provide the best opportunity for NTAA member Tribes’ representatives to ask questions or to share issues and concerns they may have relevant to their air quality programs.

Additionally, at the end of the NTFAQ, a survey was conducted for all the attendees for feedback for this year's forum. See appendix D of the written responses.

Lessons Learned

According to forum evaluations from various attendees, the 2021 Virtual 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
- Cultural Activities & Videos
- The keynote speakers during the open and closing sessions
- Interacting, virtually, with everyone during the NTFAQ networking session

Based on the feedback from attendee responses from an online survey, most were satisfied with the virtual forum for this year's NTFAQ. This year's NTFAQ was conducted using the virtual Open Water platform, which allowed a broader audience from all over the country. The lessons learned from this year's NTFAQ was that if next year's NTFAQ were to be online again that ITEP, NTAA, and USEPA staff offer streaming options for those that cannot attend in person. Another aspect of this year's NTFAQ that survey data showed was the lack of networking opportunities but given that the virtual platform had many moving parts, networking opportunities were limited to day one of the NTFAQ.

Furthermore, because this year's NTFAQ was virtual, it offered Tribal Nations with limited resources to participate with other Tribes and Environmental Professional's in a meaningful manner. According to survey data, 26.19% of respondents would prefer to attend next year's NTFAQ virtually. One of the respondents mentioned, "Some air programs may no longer have the funding to attend the forum in-person. By providing a virtual one alongside the live one could help those that cannot afford to attend to stay involved." With another mentioning, "So much content available for an extended period of time. It allowed me to view top priority content but then revisit other topics at my leisure."

Overall, the pandemic presented unprecedented challenges for all involved, from organizers to presenters to attendees. However, despite these challenges, one of the respondents mentioned, "this year's NTFAQ was done virtually due to the COVID pandemic, to organize an event for five days all virtually and to have it run as smooth and as organized as it did, was a positive aspect of this year's forum." While another mentioned, "the preparedness of all the presenters. I did not see any flaws, especially with this being a virtual format."

The core function of NTFAQ continues to be networking 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 ensure good air quality, protect public health in Indian country and surrounding areas for future generations.

Presentations and other recorded trainings will remain available for registered NTFAQ participants on the 2021 NTFAQ website (<https://ntfaq2021.secure-platform.com/a/>) for one full year or until May 20, 2022.

APPENDIX A: ANNUAL MEETING AGENDA



NATIONAL TRIBAL AIR ASSOCIATION

THURSDAY, MAY 20, 2021

12:30 am – 1:30 pm

1. Welcome and Introductions
Andy Bessler, NTAA Project Director 2.5 minutes
 - a. NTAA EC Members
 - b. NTAA Member Tribes
 - c. NTAA Staff
 - d. EPA Staff and Others
2. Review and Approval of NTAA Annual Meeting Agenda:
Carol Kriebs, NTAA Chairwoman 2.5 minutes
3. Review of NTAA Mission and Accomplishments since last Annual Meeting:
NTAA EC Members 5 minutes each
 - a. Overview of NTAA Mission and Policy Work:
Carol Kriebs, NTAA Chairwoman
 - b. Overview of NTAA IAQ Work Group:
Ernie Grooms, IAQ Work Group Lead
 - c. Overview of NTAA Mobile Sources:
Craig Kreman, Mobile Sources Lead
 - d. Overview of NTAA Wood Smoke Work Group
Mariah Ashley, NTAA Program Coordinator
 - e. Overview of NTAA Operations and Budget
Andy Bessler, NTAA Project Director
4. NTAA Member Tribe Feedback and Discussion: All Participants 20 minutes
5. Closing 5 minutes

NTAA Annual Meeting Attendee List

May 20,2021

127 Attendees

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APPENDIX B: NTFAQ Presenters and Moderators Schedule

All Times are Pacific Daylight Time (PDT)

Monday May 17, 2021

9:30 – 10:30 Pre-Event Social and Soft Kickoff

Moderator: Chris Lee

Facilitators: Laura McKelvey and Karen Schumacher/Chris Lee

ITEP zoom support: Mehrdad

11:00 – 12:00 Networking Session

Moderator: Chris Lee

Topics: Air Quality Policy, Air Monitoring, Indoor Air Quality, Woodsmoke, Tribal Air Programs, Climate Change, VW/DERA, Alaska Tribes, Moms Clean Air Force

Facilitators: Laura McKelvey, Regina Chappell or Toni Colon, Hayden Hardie, Mansel Nelson, Secody Hubbard, Billy Toledo, Kris Ray, Mariah Ashley, James Payne, Erica Bollerud, Dara Marks-Marino, Mark Daniels, Lucita Valiere, Pat Childers, Kayla Krauss

ITEP zoom support: Christal

Concurrent Trainings

12:30 – 2:30 AQS Training Resources

Moderator: James Payne Presenter: Stuart Gray

ITEP zoom support: Christal

12:30 – 2:30 Data Management, Data Validation and QREST Training

Moderator: Chris Lee Presenter: Melinda Ronca-Battista

ITEP zoom support: Darlene

12:30 – 1:15 Compliance with EPA's 6H Autobody Rule

Moderator: Laura McKelvey Presenter: Tony Pendola

ITEP zoom support: Andy

3:00 – 4:00 Beading 101 with Camille QuickBear and Mariah Ashley

Moderator: Mariah Ashley Presenter: Camille QuickBear

ITEP zoom support: Andy

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Tuesday May 18, 2021

9:30 – 11:00 NTFAQ Opening General Session (Pre-Recorded)

Moderator: Ann Marie Chischilly Presenters: Carol Kriebs, Tennille Denetdeel, Joe Goffman,
Linda Black Elk

ITEP zoom support: Amanda & Mehrdad

Concurrent Breakout Sessions

11:30 – 12:30 Air Quality Policy 101

Moderators: Pat Childers, Andy Bessler

Presenters: Chuck Buckler, Ian Fisher & Eugenia Quintana, Hillary Ward & Jessie Mroz

ITEP zoom support: [Mariah](#)

11:30 – 12:30 Air Quality Monitoring & Low-Cost Sensors

Moderators: Chris Lee & Hayden Hardie

Presenters: Amanda Kaufman, India Young, Sarah Waldo, and Craig Kreman

ITEP zoom support: [Darlene](#)

11:30 – 12:30 Indoor Air Quality

Moderators: Mansel Nelson and Secody Hubbard

Presenters: Amanda Hong, Erin McTigue, Francis Park, Aileen Gagney

ITEP zoom support: [Christal](#)

Concurrent Breakout Sessions

1:00 – 2:00 Air Quality Policy Advanced

Moderators: Andy Bessler, Carol Kriebs

Presenters: Laura McKelvey, Regina Chappell, Faye Swift and Christine Koester

ITEP zoom support: [Mariah](#)

1:00 – 2:00 Innovative Air Quality Monitoring Projects

Moderators: Chris Lee and Hayden Hardie

Presenters: Taylor Macy & Caleb Minthorn, Joseph Vaglio & Victor Belba, Orly Stampfer

ITEP zoom support: [Darlene](#)

1:00 – 2:00 Wildfires and Air Quality

Moderators: James Payne, Kris Ray

Presenters: Joe Hostler, Andrea Clements

ITEP zoom support: [Christal](#)

2:30 – 3:30 Tribal Air Program Faces, Funds, Focus and Future – Chat with Pat

Moderator: Pat Childers

ITEP zoom support: [Mehrdad](#)

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Wednesday May 19, 2021

9:30 – 10:30 Environmental Stewardship and Sharing Wisdom Across Generations

Moderator: Josie Kamkoff

Panelists: Donna Sauraq Erickson, Vallen Cook, Secody Hubbard, Sarah Jones

ITEP zoom support: [Mansel](#)

11:00 – 12:00 TAMS Center Virgil Masayesva Environmental Excellence Awards

Moderator: Chris Lee

Presenters: James Payne, Joy Wiecks

2020 Virgil Masayesva Award Recipient: William “Bill” Thompson, Penobscot Nation

2021 Virgil Masayesva Award Recipient: Frank Spurgeon, La Jolla Band of Luiseno Indians

ITEP zoom support: [Darlene & Amanda](#)

Concurrent Breakout Sessions

12:30 – 1:15 Air Program Development from Three Tribal Perspectives

Moderators: Mike Natchees, Mehrdad Khatibi

Presenters: Ryan Eberle, Maxine Paul, Janice Archuleta

ITEP zoom support: [Christal](#)

12:30 – 1:15 Innovative Funding for Air Monitoring and Woodsmoke Mitigation Efforts

Moderators: Pat Childers, Andy Bessler

Presenters: Aaron Rojas, Kris Ray, Larry Brockman, Erin McTigue and Gillian Mittelstaedt

ITEP zoom support: [Mariah](#)

12:30 – 1:15 Community Engagement and Air Quality

Moderators: Erica Bollerud, Bill Thompson, Ryan Tsingine

Presenters: Johna Boulafentis & Josette Vigil, Melinda Payne, Angela Benedict, Alex Warneke & Jeanette McConnell

ITEP zoom support: [Mansel](#)

Concurrent Breakout Sessions

1:45 – 2:30 Air Program Development from Three Tribal Perspectives

Moderators: Mike Natchees, Mehrdad Khatibi

Presenters: Ryan Eberle, Maxine Paul, Janice Archuleta

ITEP zoom support: [Christal](#)

1:45 – 2:30 Innovative Funding for Air Monitoring and Woodsmoke Mitigation Efforts

Moderators: Pat Childers, Andy Bessler

Presenters: Aaron Rojas, Kris Ray, Larry Brockman, Erin McTigue and Gillian Mittelstaedt

ITEP zoom support: [Mariah](#)

1:45 – 2:30 Community Engagement and Air Quality

Moderators: Erica Bollerud, Bill Thompson, Ryan Tsingine

Presenters: Johna Boulafentis & Josette Vigil, Melinda Payne, Angela Benedict, Alex Warneke & Jeanette McConnell

ITEP zoom support: [Mansel](#)

3:00 – 4:00 Meet and Greet with Moms Clean Air Force

Moderators: Andy Bessler, Randy Ashley

Panelists: Dominique Browning, Patrice Tomcik, Tonya Calhoun, Trisha, Dellolacono, Elizabeth Brandt

ITEP zoom support: [Mariah](#)

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Thursday May 20, 2021

Concurrent Breakout Sessions

9:30 – 10:30 Air Quality Policy Advanced

Moderators: Andy Bessler, Carol Kriebs

Presenters: Laura McKelvey, Regina Chappell, Faye Swift and Christine Koester

ITEP zoom support: [Mariah](#)

9:30 – 10:30 Innovative Air Quality Monitoring Projects

Moderators: Chris Lee and Hayden Hardie

Presenters: Taylor Macy & Caleb Minthorn, Joseph Vaglio & Victor Belba, Orly Stamfer

ITEP zoom support: [Darlene](#)

9:30 – 10:30 Wildfires and Air Quality

Moderators: James Payne, Kris Ray

Presenters: Joe Hostler, Andrea Clements

ITEP zoom support: [Mansel](#)

Concurrent Breakout Sessions

11:00 – 12:00 Air Quality Policy 101

Moderators: Pat Childers, Andy Bessler

Presenters: Chuck Buckler, Ian Fisher & Eugenia Quintana, Hilary Ward and Jessie Mroz

ITEP zoom support: [Mariah](#)

11:00 – 12:00 Air Quality Monitoring & Low-Cost Sensors

Moderators: Chris Lee & Hayden Hardie

Presenters: Amanda Kaufman, India Young, Sarah Waldo, and Craig Kreman

ITEP zoom support: [Darlene](#)

11:00 – 12:00 Indoor Air Quality

Moderators: Mansel Nelson and Secody Hubbard

Presenters: Amanda Hong, Erin McTigue, Francis Park, Aileen Gagney

ITEP zoom support: [Christal](#)

12:30 – 1:30 NTAA Annual Meeting

Moderators: Andy Bessler, Carol Kriebs, Mariah Ashley

ITEP zoom support: [Andy & Mariah](#)

2:00 – 4:00 NTFAQ Closing General Session

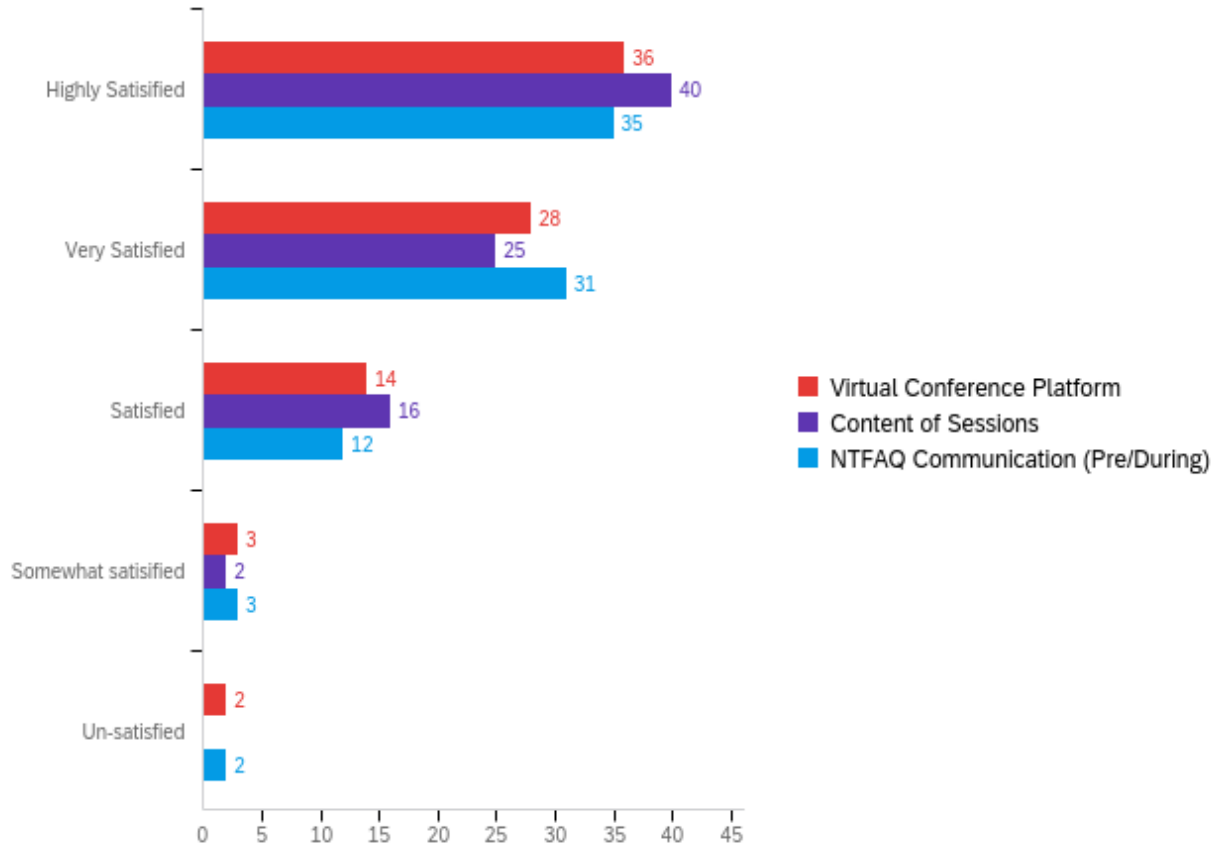
Moderators: Mike Natchees, Mehrdad Khatibi

APPENDIX C: Summary of NTFAQ Attendee Evaluations

From 84 Responses
With Graphs and Sample Comments

2021 NTFAQ Final Evaluation Report
Generated on June 4, 2021

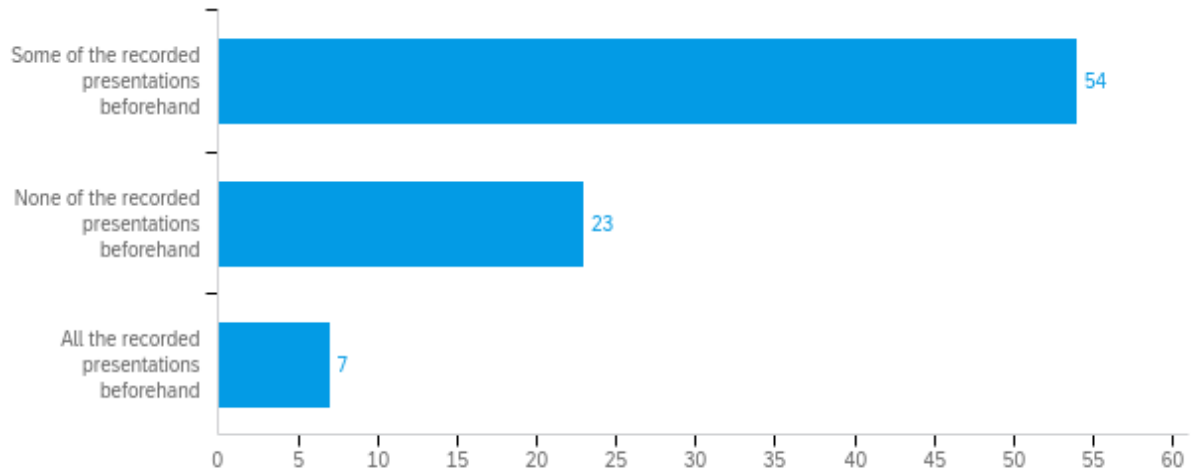
Q1 – Overall, how satisfied were you with the 2021 NTFAQ Virtual Conference?



#	Field	Highly Satisfied	Very Satisfied	Satisfied	Somewhat satisfied	Un-satisfied	Total
1	Virtual Conference Platform	43.37% 36	33.73% 28	16.87% 14	3.61% 3	2.41% 2	83
2	Content of Sessions	48.19% 40	30.12% 25	19.28% 16	2.41% 2	0.00% 0	83
3	NTFAQ Communication (Pre/During)	42.17% 35	37.35% 31	14.46% 12	3.61% 3	2.41% 2	83

Showing rows 1 - 3 of 3

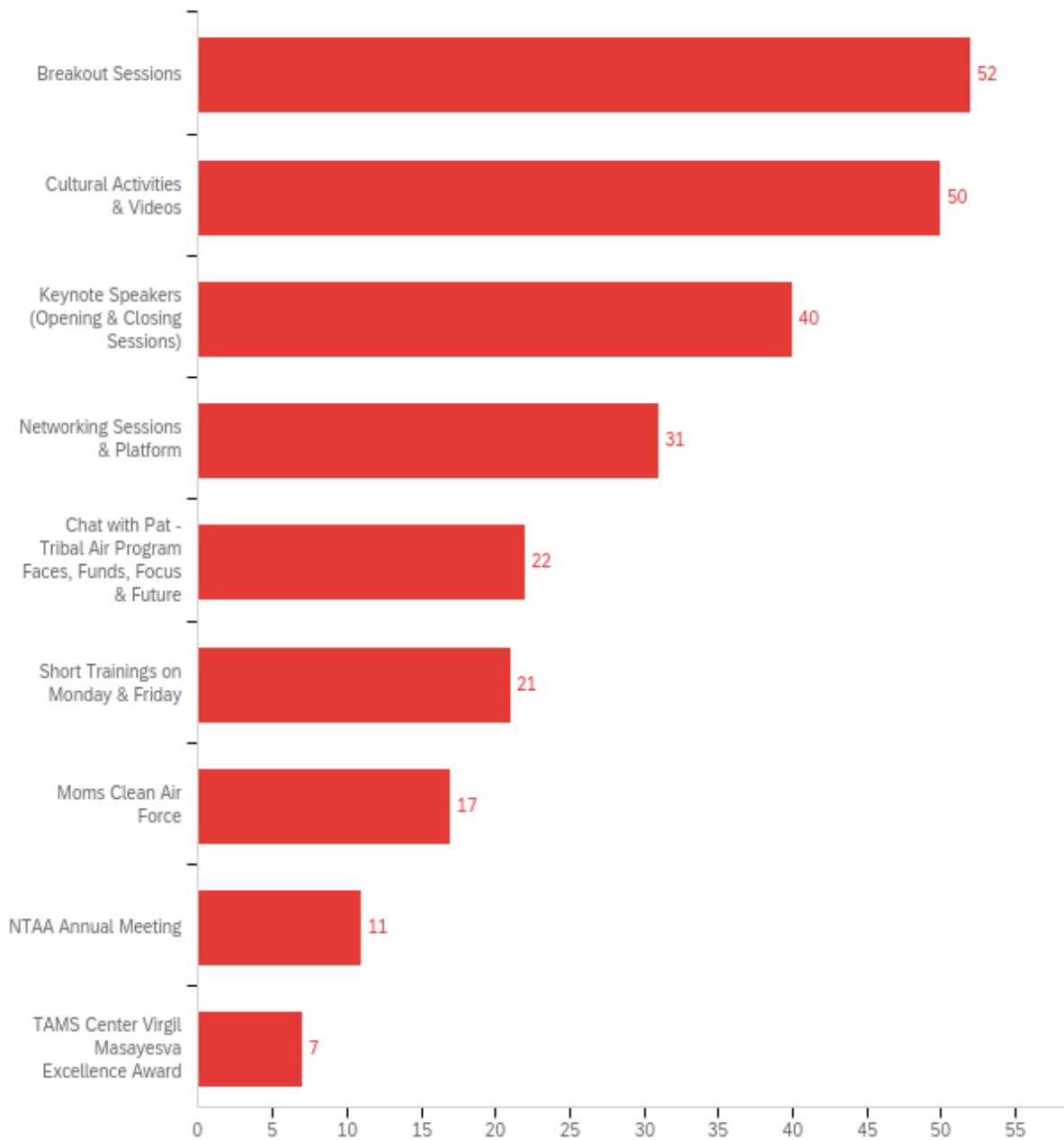
Q2 – For the Breakout Sessions I Attended; I was able to watch:



#	Field	Choice Count
1	All the recorded presentations beforehand	8.33% 7
2	Some of the recorded presentations beforehand	64.29% 54
3	None of the recorded presentations beforehand	27.38% 23
		84

Showing rows 1 - 4 of 4

Q3 – What were your top 3 favorite sessions/elements of the NTFAQ?



Q4 – In your opinion, what was the most POSITIVE aspect of this year’s forum?

- It was my first one and I was excited to learn
- Breakout sessions occurred at two separate occasions (days), allowing one to eventually see presentations from two separate breakout sessions that occurred at the same time.
- The ability to connect with other participants throughout the conference
- Moms Clean Air Force joined for the first time. So, it was great to share the work I do with Moms with everyone. I love hearing native speakers speaking from their communities and sharing their knowledge.
- Great!
- It was my first time presenting at the conference. I thought it was wonderful and look forward to participating again next year.
- Everything was great!
- Interacting with others learning how others deal with issues and problems
- The ability to have participants connect with one another virtually.
- Knowing how to use the platform since we did it last year.
- All the new Airheads which were in attendance.
- I particularly enjoyed the retirement sendoff for Laura McKelvey.
- Being able to see the presentations beforehand, especially for those sessions that would have overlapped
- Amidst the ongoing pandemic, I am impressed with the professionals continuing the efforts in improving the environmental health among tribal communities. Thank you.
- Hearing from folks and gathering even if our family reunion was virtual
- Ease of attendance, networking opportunity.
- This was the first NTFAQ event I ever attended, and I thought the organizers did a great job of adapting to the virtual platform! It was wonderful to hear about the great work being done in other Tribal communities especially after such a challenging year.
- The welcoming and sincere atmosphere of the forum. I was able to ask questions and reach out to others without hesitation that my thoughts would be taken in a kind manner. I appreciated how everyone was learning from one another.
- From experienced workers on the field who were all from different areas, I learned more about emission inventory and more ways to tackle air monitoring on tribal lands. The speakers answered my question in a thoughtful and meaningful way - this was my favorite.
- Technical support and preplanning
- I was able to attend as it was virtual. That would have been unlikely if in-person.
- The positivity and getting to see the community come together.
- Great information on indoor and outdoor air quality. Helpful presentations and step by step workplan.

- This year's Forum was put together very well, and the speakers were great on answering questions.
- The messages from the speakers.
- The number of people who pre-registered.
- Lots of conversation about air sensors.
- I liked that so many different people came together to address a common need-clean air!
- Very welcoming from other tribes across the US and their achievements over COVID situations on progressing forward with one foot in front of the other.
- Sharing stories and Biden Administration concerns for healthy AQ.
- Interaction. Even via zoom, interaction is important.
- So much content available for an extended period of time. It allowed me to view top priority content but then revisit other topics at my leisure.
- It was well planned and provided a diversity of topics so that a variety of individuals could participate.
- Everyone is so welcoming and helpful!
- Having the Elders and youth in conversation and speaking on the importance of dealing with future environmental issues on Tribal lands!
- Success stories!
- Having culture properly represented in a virtual setting
- Able to attend virtually. I was excited about the content.
- The beading event and tribal wisdom sessions.
- I loved the cultural aspect everything the Muskogee Creek Nation provided was awesome. The introductions were also amazing where the presenters were in their own Tribal areas. I really enjoyed everything I just wish we could have been in person.
- As a first-time attendee, I thoroughly enjoyed the organization and quality of the recordings. There were lots to explore on the website before and after live sessions.
- More attendees and a wonderful variety of videos.
- I think everything came on a positive note the teachings, training, the culture, and the people.
- I thought it was neat that even during COVID-19 times people came together to figure out a way to stay connected and found a way to still share the information with other people.
- I always enjoy hearing the elders speak. They hold a great deal of knowledge. They pass wisdom to us and make me have a clearer understanding of then and now.
- This is the first time I have attended, so I don't have anything to compare it to; however, I thought it was very well planned and informative. Loved the opportunities to chat live.
- Everyone worked as a group!!!!!!

- The way that this was organized and presented, with so many being included, made this event very welcoming to all. The moderators did an excellent job of their segments.
- The preparedness of all the presenters. I didn't see any flaws, especially with this being a virtual format.
- The ability to watch the presentations before discussions, or at any point over the last couple of weeks.
- Yes, thank you again for making it easy for me to attend the meetings. Including pre-recording videos for the sessions videos I miss out. I really enjoyed it, Thank you again.
- Seeing videos from the youth and elders.
- I enjoyed how interactive the entire experience was. The chats were a nice touch to communicate as if we were all talking in person, very fun! I also really liked how we had the option to create a profile and add our photo, it seemed nice to be able to personalize.
- Good information on how to attain additional trainings for tribes.
- How things went so smoothly. Everyone was very polite, and it was great to see how many folks attended the conference overall.
- Wow! I think a virtual component should be offered for all forums. It would be great to see pre-recorded sessions and be able to look at live events. Some air programs may no longer have the funding to attend the forum in-person. By providing a virtual one alongside the live one could help those that can't afford to attend to stay involved.
- The attendee directory with chats. That's worth keeping!
- Being that this year's NTFAQ was all done virtually due to COVID pandemic, to organize an event for 5 days all virtually and to have it run as smooth and as organized as it did, was a positive aspect of this year's forum.
- Communicating when it was difficult to communicate.
- Breakout sessions and ability to be interactive with the sessions - side chat was active (not separate chat).
- That we all survived the past year.
- Having access to presentations both before and after the meeting.
- The fact that it happened (many people look forward to gathering during this annual event).
- The ability to have great presentations and content without having to travel.
- Half of attendees were first timers, and they seemed to feel really welcomed.
- The opening session was varied, engaging and informative. It was great to see the broad work that ITEP/NTAA are doing and asking great questions.
- Talking with and seeing great friends.
- Hearing from speakers and meeting participants.
- I felt everyone had a positive attitude despite not being able to meet in person; I still feel like I got a lot out of this conference.

- Connecting with other tribal air programs about interesting, relevant topics.

Q5 - What could be changed or improved for the future?

- Really liked the format...would be nice to somehow combine with in-person...maybe same format (w/ pre-recorded videos) and multiple presentation times in-person?
- More networking opportunities.
- In-person would of have more of an engagement than virtual. But overall great.
- Nothing, this was Perfect!
- I thought it was great, but I am definitely looking forward to an in-person conference!
- Nothing.
- Initial login and registration could be streamlined.
- Maybe emphasizing watching videos beforehand.
- An in-person conference.
- Nothing, it was all nicely put together.
- The website appeared confusing trying to find the conference. I had to click on all the links to find the live conferences.
- I liked that speakers had shorter talking time during the live sessions and heard from lots of people on a panel.
- Nothing that I can think of.
- More time!
- Prerecorded videos did not work for me.
- This conference – more so than any other since the pandemic – has tried its best to bring back networking and polite communication with others by activating a chat tool to the conference. It is a step in the right direction. Maybe add another tool that may be separate from the chat tool, but still adds to the conference as the chat tool did for this wonderful conference. I also believe that all breakout session speakers were amazing and cognizant of attendee engagement and near the end of their sessions they answered questions from the attendees.
- In person is always better.
- It would appear that pre-recording the sessions was a failure, given the number of attendees during my session...and those that did attend, did not watch the pre-recordings. Also, because the presentations were submitted so far in advance, I was not able to update the presentation with the most current information.
- Consider a hybrid concept to include those who cannot travel.
- The time difference for those of us on the east coast. Some of the sessions lasted way past 5 pm.
- Resolving for healthier home indoor and outdoor.
- Due to Covid the platform was great. Time will tell if next year will be in person?
- Have a hybrid so there can be in-person and remote attendance.
- Eliminate the Covid.
- Nothing, except can't wait to do it in person next time!

- I liked the idea of having two traditional skills offered: beading and arrow making.
- More information for new airheads.
- The platform was not intuitively obvious, but after some training and practice, it proved not too difficult to navigate. So probably simplify it.
- No suggestions at this time.
- Communication with speakers. I felt the notice of providing a video in advance of the conference was a good idea but relayed too late and it was near impossible to meet the first proposed deadline.
- As we move to in-person meetings again, it would be great if there were some pre-recorded or webcast options for those who can't travel.
- Better explanation on air filtration systems and having more topics explained in deeper detail.
- More topics throughout instead of repeat (which works well if you cannot attend one of the sessions, but they were recorded), probably harder to do with a virtual platform.
- I thought everything went accordingly, well!
- Less reliance on prerecorded materials.
- It is easier to receive/digest the content in a live format. Watching the presentations ahead of time required twice the time/effort on my part and I was not able to participate in the way I would have liked. Also, it was not clear to me when I initially registered that this would be the format and I needed to watch in advance.
- As usual I feel the NTFAQ is perfect and does not need any changes or improvements, but with that said it gets better every year.
- There were a few technical difficulties but that is to be expected with a virtual conference. I really enjoyed the cultural lessons and crafts so more of that is always welcome. Great job!
- Unsure - I think just by nature of doing it with the knowledge gained will result in an improvement.
- Hopefully won't have to go virtual again. It's technically less time than traveling but hard to fit in with other things going on!
- Nothing to change at all everything was just perfect.
- I do not know. Overall good session.
- Sorry it will be up to you.
- I hope it would be possible in future to provide some kind of hybrid so folks that can't make it to the live conference, could still participate via Zoom online.
- Back to in person.
- Hopefully, NTFAQ will return to an "in-person" event, but this set the standard for an on-line event.
- I really liked having the videos posted beforehand. Please keep this for the future.
- Nothing that I can think of!
- Monitor who presents to help cycle in new presenters/new content.

- In person is always better, otherwise, nothing. After an entire year and a few months of evolving with virtual status, this NTFAQ was perfect. Great work!
- Communication. At no point was I told about the videos until I attended a session and realized I had missed something.
- Be in person.
- Virtual component should be offered to those that can't attend in-person. I am trying to limit my business travels. As we get more comfortable with virtual settings, organizations need to offer.
- Hopefully what will change for the upcoming future, is to be able to all meet in person next year (May 2022) with COVID behind us.
- Everything was fine.
- Display or send out a full agenda beforehand with indication that this session will be repeated on such and such day. Seeing the whole agenda and knowing how to plan out events was difficult, confusing, and disappointing when you realized that the session wasn't a continuance but rather repeated. Missed some sessions due to this that I would have liked to be engaged on live. Heard this from multiple people.
- It was good—tech issues resolved quickly.
- Some of the pre-recorded presentations were too long and some sessions had too many. It was great to be able to have them, but I would have needed access to the, for a longer period of time before the conference to be able to see them all. Our calendars are busy!
- Test your system before launch – it seemed like there was a lot of confusion and snags with the conference organizers with regards to how to use the platform and its features. Also, while the keynote speakers were sure to mention air quality, neither of them seemed very connected to the topics or the audience in particular. They didn't "hit the mark" for me in this context because they lacked that sense of energy or inspiration that a keynote speaker should bring to the event. It was too time consuming for a lot of people to watch the recordings in advance and some of the sessions suffered as a result. And making a big deal out of the fact that not too many people had watched the videos made presenters and moderators feel the need to compensate by re-presenting their information.
- More tribal presentations.
- Obviously, in-person. But if online, more ceremonial stuff throughout the day.
- In-person meeting for four days in a great spot.
- Staff facilitation or light presence in the chat areas/rooms, asking questions, providing resources, opening video chat, etc.
- I thought it went well for a virtual conference. I was on the chat but feel that I missed out on some of the conversations... not sure how to fix that.
- Just excited to meet in-person next time.
- Lydia's involvement.

Q6 - What topics or sessions would you like to see at next year's NTFAQ?

- More about Tribal Climate Action Plans
- Inspection training
- I would like to see all tribes show what they're working on in their communities
- Emergency Management Topics
- I wasn't able to look at all the topics for this year, but from a glance the topics seemed great. Perhaps more presentations from community/EJ groups?
- More public outreach and education like innovative approaches
- New to Air so not sure at this time
- Indoor air quality in different types of construction used in building of homes
- Anything Air Quality related. Maybe cover some of the advancements in monitoring technology.
- Permit review and AQ program protocol building
- Proper wood stove burning practices in tribal communities. Has indoor air quality improved? Are we still having respiratory health complications?
- Preventative maintenance of air monitoring instruments, data management, connecting with communities through social media/educational programming.
- Beginners circle for those interested or just starting out in the Environmental field.
- One more session from experienced air monitors from different areas/tribal lands. I loved the session where air monitors spoke about their personal experiences while collecting data regarding the air quality at their reservation work area. It was very interesting to hear how each team handled their air monitor challenges and successfully collected air quality data for the tribe/nation. I felt honored to listen to their genuine love for working in the field and gathering important data for the community. (Thank you) Haniguhm.
- History of tribes or storytelling
- Sessions on criteria pollutants. The cultural sessions are great, so some of those as well.
- No comment
- Funding that can be added into GAP for Air quality monitors and other resources for funding air programs.
- How to create a PQAQ Audit planning and design for small AQ programs.
- Advances in Sensor technology and correlation
- Air sensors
- A session commenting on the Biden administration's work with tribal nations
- More TAMS session with troubleshooting with monitoring instruments
- I probably could use more help with outreach. So, an outreach session, or successes.
- I have no ideas at this time.
- Addressing off-reservation pollution sources. Ordinances for air quality protection.
- Acidic rain, common air and ozone pollutants.

- Some examples of how rulemaking, regulations are helping make air quality better in certain communities. Success stories.
- Funding sources discussions.
- 105 and PPG course.
- Advanced program development - TIP, regulatory program development.
- Radon Mitigation Training, IAQ n blower door training, I would really like to take a blow dart training that looked so cool.
- The datalogger talk was more relevant to my current work so I found that particularly helpful. I would love to see more applications with air and water quality devices, even a demonstration would be splendid.
- Unsure.
- I would like to see more on Radon and Decontamination for houses.
- I'm not too sure since it's all new to me, first time going to one was this year. I thought they covered the basics about air quality.
- More elder voices.
- Would like to see more on specific work being done around climate issues and long-term planning being done by tribes to mitigate the effects.
- The same of which are updated.
- Climate Change, Drought ramifications. Wildfire projections. Prescribed burns.
- A how-to session where we make our own air monitor.
- Datalogging for beginners.
- I am an EPA employee, and so I greatly value learning from folks during any of the cultural sessions.
- Moms Clean Air Force: Fighting Air Pollution and Climate Change.
- Types of restrictions on funding. What can 103 purchase that 105 can't? Ex. 103 can purchase outreach materials but 105 can't.
- Definitely a dart making session, along with another beading session or two, it would be fun to be able to learn an additional skill.
- Funding opportunities.
- Haven't thought that far in advance.
- More air advocate involvement from groups like Moms Clean Air force.
- Health impacts.
- Climate Change.
- Policy updates, EJ case studies, how Tribes used Am. Recovery Act funds to do climate change/EJ/air quality studies.
- More on indoor air quality in tribal schools.
- More variety–too few topics this year to really attract me to many of the sessions. More tribal program presentations from newer tribal programs or special projects (or does Gila River have a standing presentation block reserved for them?)
- More Tribal program Presentations, daily operations, etc.
- What we learned in defeating Covid.

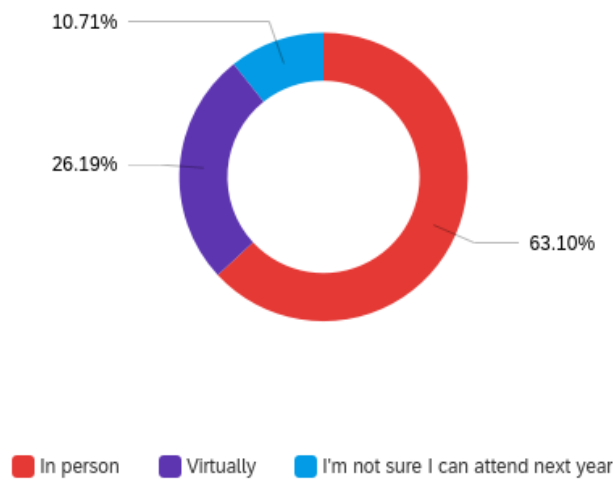
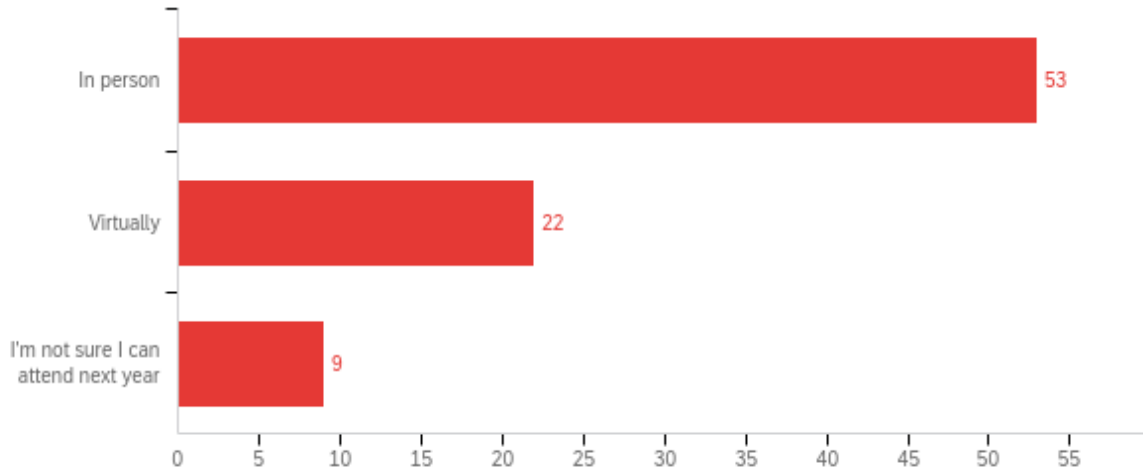
- In depth details about projects. I'd like to see more about challenges overcome and the questions to ask about these projects. I think in the quick reviews, they didn't get info on that (or maybe the videos did—I wasn't aware to watch them until the opening session).
- Smoke ready communities and sensor use.
- Not sure.
- Environmental justice topics related to AQ (to serve as a “big picture” reminder or the “why we do this”, not that we need to be motivated :) A session, or track. For new tribal air professionals (“lessons learned” from experienced tribal air professionals, getting started, example projects etc.)
- I always like to hear about EJ topics.
- Regulatory instruments and analyzers (NOx, O3, PM2.5, SO2).

Q7 - Are you interested in presenting at a future NTFAQ, or do you know someone we should reach out to as a prospective presenter or keynote speaker? If so, please provide your name, the topic and an email so we can reach out to you.

- Yes. Ryan Eberle (ryan.eberle@gric.nsn.us). Permitting, inspections, monitoring, NW Settlement, DERA, or program management. Leroy Williams (Leroy.williamsjr@gric.nsn.us) could present on anything related to running a regulatory ambient air monitoring program (including audits and AQ) and Jerry Jensen (jerry.jensen.deq@gric.nsn.us) on monitoring equipment operation (T400s, TEOMs, SOPs, configurations, etc.).
- Ryan Hollis, Compact & Mobile Monitoring Solutions, rhollis@americanecotech.com.
- I'm currently working with Moms Clean Air Force and we just became members of NTAA and look forward to continue the partnership for clean air and health.
- Bill Thompson or Randy Ashley for Keynote 2022!
- Absolutely, I am interested in presenting at future NTFAQ. I was impressed by the professionalism and the indigenous culture that was represented in a respectful manner throughout the conference. It was an amazing conference. Yet, given the time constraints in our area it is almost impossible to build a presentation on top of all the great work that we do here in the valley. However, I will add my contact and information in hopes of developing a presentation around a well-documented, successful fieldwork initiative that may bring to light unique environmental challenges in our area; Vincent Hood, Potential Topic: “Beginning an Air Monitor Program, Collecting Data, & Unique Challenges” (vhood@yan-tribe.org).
- Bill Thompson to introduce the Virgil Masayeva award.
- Janice Archuleta, AQ topics - a variety, (Jarchuleta@utemountain.org).
- Yes, Pat Childers on topic grants and overarching program.
- Lavina Becenti (lavinabecenti@frontier.com).

- A topic on Pollution Studies.
- Yes, of course I would be interested. Please add my name, Lucita Valiere for Tribal DERA topics (valiere.lucita@epa.gov) I would also suggest adding Brian Trice, with Green Transportation & Summit Expo and the Clean Cities Coalition as a speaker on what he is doing to work with tribes and tribal projects.
- Kris Ray, smoke ready communities and smoke ready action plans. (missing email)

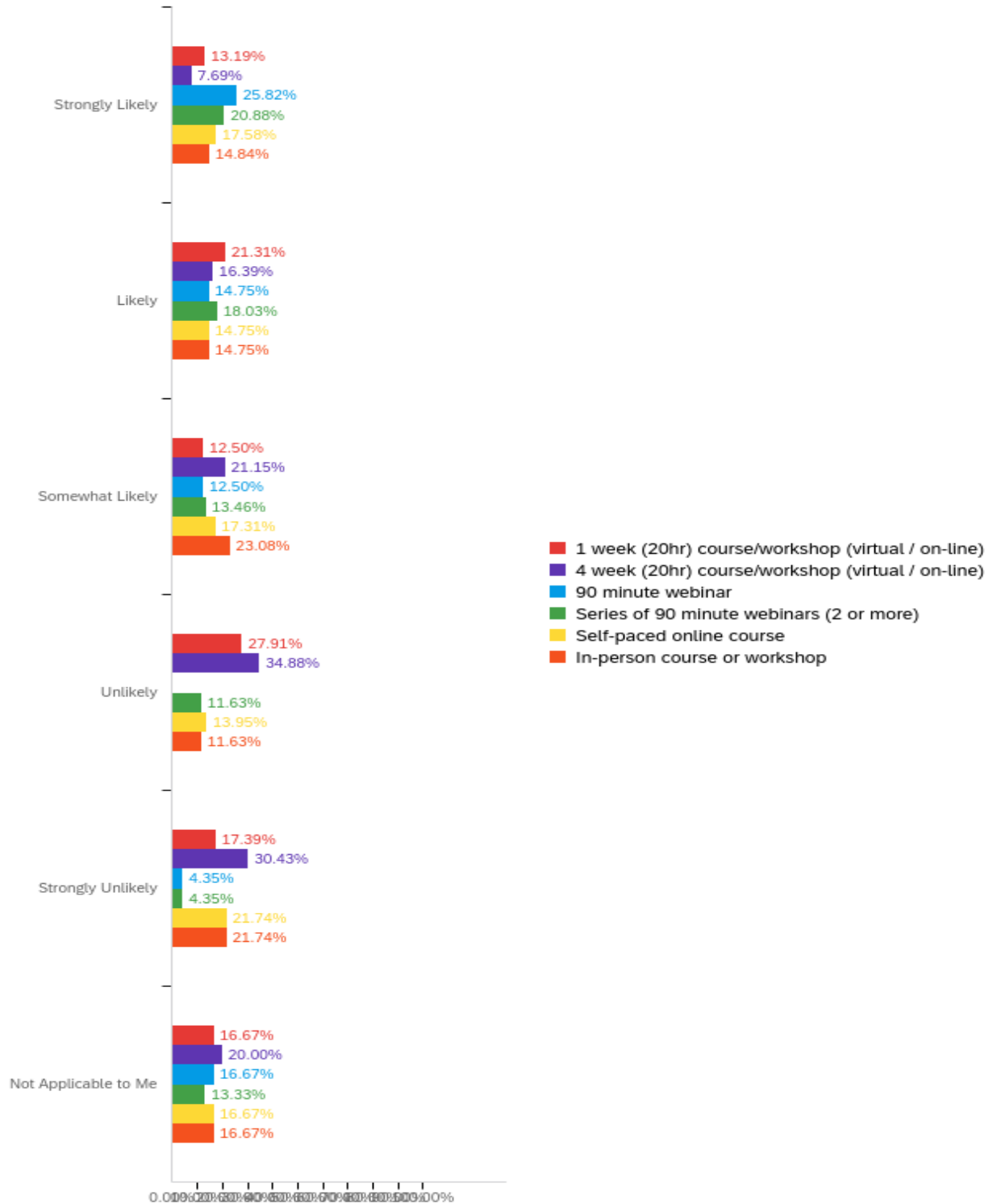
Q8 – Next year, I would rather attend NTFAQ?



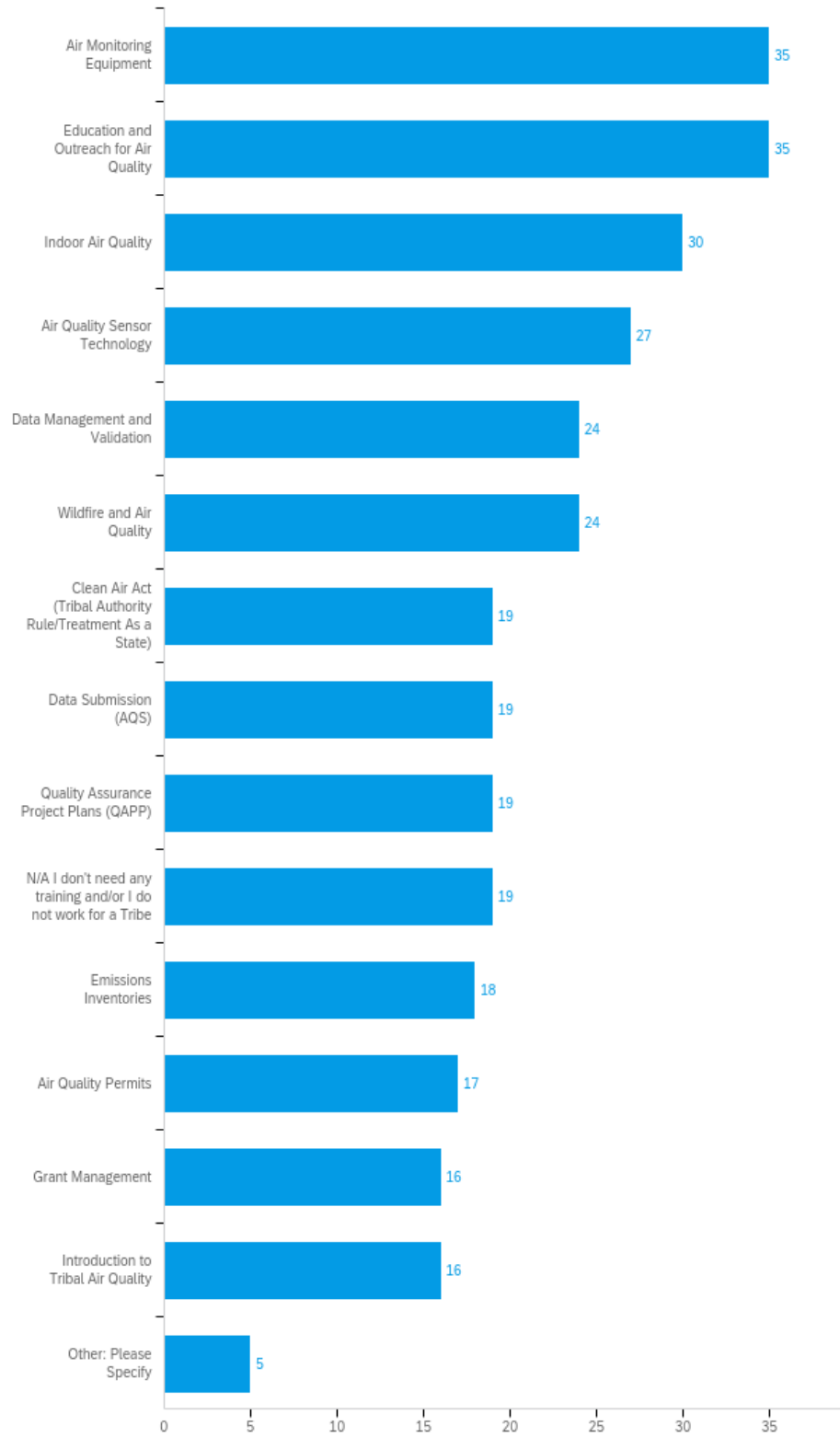
Q9 – Now that America is starting to open back up, what type of trainings or workshops do you feel comfortable attending? In the next year, I am likely to join a...

#	Field	Strongly Likely		Likely		Somewhat Likely		Unlikely		Strongly Unlikely		Not Applicable to Me		Total
1	1 week (20hr) course/workshop (virtual / on-line)	28.57%	24	30.95%	26	15.48%	13	14.29%	12	4.76%	4	5.95%	5	84
2	4 week (20hr) course/workshop (virtual / on-line)	16.67%	14	23.81%	20	26.19%	22	17.86%	15	8.33%	7	7.14%	6	84
3	90 minute webinar	55.95%	47	21.43%	18	15.48%	13	0.00%	0	1.19%	1	5.95%	5	84
4	Series of 90 minute webinars (2 or more)	45.24%	38	26.19%	22	16.67%	14	5.95%	5	1.19%	1	4.76%	4	84
5	Self-paced online course	38.10%	32	21.43%	18	21.43%	18	7.14%	6	5.95%	5	5.95%	5	84
6	In-person course or workshop	32.14%	27	21.43%	18	28.57%	24	5.95%	5	5.95%	5	5.95%	5	84

Showing rows 1 - 6 of 6



Q10 – What are your top 5 Air Quality training needs?



Q11 – Other: Please specify

Top Four Results
Facility inspections
TIPs
Student
How to effect air quality policy in DC and also in my region

Q12 – Is there anything else you would like to share with us?

- Thank you!
- Great job on the conference!
- Thank you for the opportunity to present!!
- This was very helpful and informative.
- Thank you for this important conference. I wish community members would see the good work and have the opportunity to learn more about their surroundings.
- Nia:wen/Thank you for the experience, I look forward to next year!
- It was an amazing conference. Haniguhm (Thank You).
- It was a great conference. Good job to the many involved to make that happen.
- Thanks so much for the opportunity to participate in the NTFAQ!
- Thank you for an awesome conference!
- Be safe and thank you!
- Even though it was virtual, the NTFAQ was a great experience this year.
- Very informative Forum and was glad to be able to participate, as well as staff.
- It was such a great conference! Thank you!
- I am new to the Air Quality group. I started this job three months ago and have much to learn. I will say this job has piqued my curiosity and enjoy looking or obtaining any information on air quality tech, but with all that said and done I hope to learn more from the virtual meetings in the coming future.
- You all did a most awesome job with the virtual conference! The platform was very user friendly, simple, very well organized!
- Great job!
- Great job! Thank you for all your hard work. It was a pleasure to join NTFAQ this year.
- Thank You!!!!
- Thank you!
- I absolutely loved everything about this conference and really appreciate all the work that went into planning and preparation that made it such a success.
- Thank you for such a successful NTFAQ event!
- Thank you to everyone who took a part of this wonderful program!

APPENDIX D: Feedback from the NTAA Survey 2021 National Tribal Forum on Air Quality

1. In-person would have more of an engagement than virtual. But overall great.
2. I thought it was great but I am definitely looking forward to an in-person conference!
3. Really liked the format... would be nice to somehow combine with in-person... maybe same format (with pre-recorded videos) and multiple presentation times in-person?
4. Initial login registration could be more streamlined.
5. Maybe more emphasizing watching videos beforehand.
6. The website appeared confusing trying to find the conference. I had to click on all the links to find the live conferences.
7. I liked that speakers had shorter talking time during the live sessions and heard from lots of people on a panel.
8. Pre-recorded videos did not work for me.
9. It would appear that pre-recording the sessions was a failure, given the number of attendees during my sessions... and those that did attend, did not watch the pre-recordings. Also, because the presentation was submitted so far in advance, I was not able to update the presentation with the most current information.
10. Consider a hybrid concept to include those who cannot travel.

APPENDIX E: Photos from the 2021 National Tribal Forum on Air Quality Breakout Sessions

- Beading 101 session with Camille QuickBear an Air Program Coordinator and member of the Sisseton Wahpeton Oyate.
- Moderated by Mariah Ashley, Program Coordinator with NTAA and member of the Navajo Nation.
- 69 people attended the Beading 101 session with Camille and Mariah with results revealed during the closing session of the NTFAQ!!



BEADING 101: SUPPLY LIST

During this workshop (5/17) we will be offering tutorials for beginners, intermediate, and advanced beadars alike. So please join us to listen and learn and share your stories!

Register here for the 2021 NTFAQ | May 17 - 21

Start gathering what you need to participate!

- Size 11 beads
- Needles Size 11
- Thread Size O, B, or D
- Cord Size 550 (optional for creating a wrapping lanyard)

We will be making daisy chains and a wrap!

All supplies can be found at your local craft store. Or you can order online and support local Native business owners:

<https://cvtvbead.com/>
<https://runningfoxbeads.com/>
<https://www.capitalcitybeads.com/>
<https://www.shipwreckbeads.com/>

For questions, contact mariah.ashley@nau.edu



INDIGENOUS PEOPLE and AIR POLLUTION in the United States

A REPORT FROM THE NATIONAL TRIBAL AIR ASSOCIATION AND MOMS CLEAN AIR FORCE

WHAT DOES INDIGENOUS MEAN?
 We use the term *Indigenous* in this document to refer to the descendants of the people who lived in North America before 1492.
 Others may use the terms *American Indian*, *Native American*, and *Alaska Native*.

CULTURAL PERSPECTIVES:
 Indigenous peoples have unique cultural perspectives; therefore, no one can speak on behalf of all Indigenous people.
 However, the worldview of many Indigenous people holds the health of the land, water, and air as inseparable from the health of the people. This is due to the subsistence lifestyle that many Native people lead, as well as their commitment to maintaining cultural practices such as hunting, fishing, gathering, and ceremony.
 For example, the Fond du Lac Band of Lake Superior Chippewa recognizes the many links between wild rice and their health, including cultural identity, social relations, health, physical activity, and economic livelihood.¹

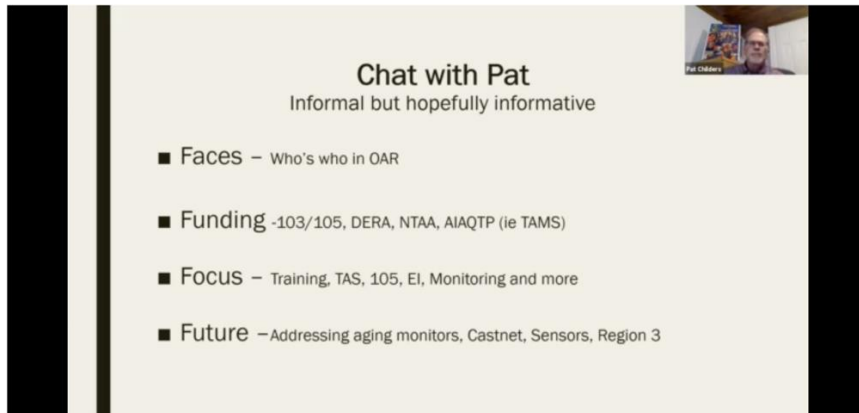
The total number of Indigenous people in the United States is between 2.5 and 6 million, of which 20% live on Tribal lands or in Alaska Native villages. There are 574 federally recognized Tribes, but this number does not account for the total number of Indigenous groups in the US.¹ Historically the US government has made systematic efforts to disrupt Indigenous communities, and there are many Indigenous communities with deep history that remain unrecognized by the US government.²

The United States removed many Indigenous people from their ancestral lands and violated treaties with Tribes. Indigenous people have experienced desecration of their sacred sites in efforts to demoralize and disband their communities. Indigenous communities are disproportionately impacted by pipelines, mines, waste incinerators, and other polluting industries that poison the air and water.

Tribal lands remain despite this history. For example, the Navajo Nation's reservation is approximately the size of West Virginia. The Tohono Oodham Nation includes 62 miles of the international border with Mexico and with 2.7 million acres total, the Tohono Oodham Reservation is larger than Rhode Island and Delaware combined. San Diego County, California, has more Indian Reservations than any other county in the United States, with 19 separate and sovereign land bases.

MOMS Clean Air FORCE | NTAA NATIONAL TRIBAL AIR ASSOCIATION

- Meet and Greet with Mom's Clean Air Force was a great success!! With 121 people attending this session!!
- Mom's Clean Air Force is one of the newer members of NTAA and this session was a great way to introduce them to Tribal professionals as a new resource for clean air!
- Moderated by NTAA Project Director Andy Bessler and Randy Ashley of the Confederated Salish and Kootenai Tribes.



- The Chat with Pat breakout session was one of the top breakout sessions based on survey data!
- The Chat with Pat session was ranked 5th out of the most liked session of the NTFAQ and provided critical information for Tribal professionals.



- One of the most liked sessions of the NTFAQ was the cultural session during the Virgil Masayesva Environmental Excellence Award.
- Muscogee Nation members John Brown with “The Thistle Becomes a Dart” session and Nelson Harjo Sr. “Native Flute Maker.”





Laura McKelvey with a beautiful sendoff as she retires this year from U.S. EPA Office of Air Quality Planning and Standards. She was awarded with traditional blanket that signifies honor for the service that she has done for Indian Country over her 30 years!

