

## PRESENTER INFORMATION

Tuesday, August 21, 2012

### *“Agriculture and Conservation on the Navajo Nation”*

Name: Ben Shelly  
Title : President  
Organization: Office of the President & Vice President-The Navajo Nation  
Bio: First sitting Vice President to be elected President of the Navajo Nation. Sworn into office on January 11, 2011, President Shelly leads the Navajo Nation with agenda of economic prosperity, technology, open government, health, and education.

Born in Thoreau, New Mexico. He is of the *Tó'aheedliinii* clan born for *Ts'ah Yísk'idnii*. His maternal grandfather is *Ashiihi* and his paternal grandfather is *Totinii*. His wife of 45 years, First Lady Martha Shelly, is from Coyote Canyon. She is *Tábaahí* and born for *Tódich'ii'nii*. Together they have five children and 10 grandchildren.

The President first began his service to the Navajo people in 1991 as a Council Delegate representing Thoreau Chapter. As a member of the Transportation and Intergovernmental Relations Committees, and chairman of the Budget and Finance Committee, he also served for 12 years as a McKinley County Commissioner.

Before returning to the Navajo Nation in 1976, President Shelly lived in Chicago, Illinois for 16 years, working for a heavy equipment company as a supervisor. He owned and operated a fleet maintenance and mechanic shop in Thoreau, before being elected to public office. As a Navajo business owner in the 1980s, President Shelly today is placing a priority on advancing the Navajo Nation economy through new business creation and energy development of the nation's renewable and non-renewable resources.

The President remains influential in the Democratic Party, and active in state and national politics. He works closely with tribal leaders in asserting sovereignty, nationhood for tribes, and progressive development for tomorrow's prosperity.

### *“Caring for Our Land”*

Name: Katherine Benally  
Title: Chairperson, Resources and Development Committee  
Organization: Navajo Nation Council Delegate  
Bio: Navajo Nation Council Delegate Katherine Benally represents the Chapters and Communities of Dennehotso, Chilchinbeto, and Kayenta in the Western Agency of the Navajo Nation. She is also the Chairperson of the Resources and Development Committee, which serves as oversight for several Navajo Nation Divisions and Offices including Natural Resources, Community Development, Economic Development, Transportation and the Navajo Environmental Protection Agency.

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In the 21<sup>st</sup> Navajo Nation Council, she served as the Chairperson for the Economic Development Committee, and in the 20<sup>th</sup> Council she was a member of the Education Committee.

Katherine has been a strong advocate for those who cannot or are not able to speak for themselves, especially the young and the old. She calls this the "axtsa 'ibahi" or the "two extreme ends of the spectrum," in Navajo.

She currently sits on the Dennehotso Boarding School Board and has served as President and Vice-President for the Navajo Area School Board Association.

When she was a member of the Education Committee, Katherine was a strong advocate for quality education and pushed for an independent Department of Education that would provide a more cohesive educational system which could promote or preserve the Navajo language.

Prior to joining the private sector, Katherine served the elderly population as the Director of the Navajo Agency on Aging - Ft. Defiance Agency. During her tenure, her constant presence and advocacy in the Navajo Nation Council Chambers during sessions, often accompanied by elders, ensured an adequate level of funding senior programs and services.

Katherine is also a mother, grandmother and business person or entrepreneur having starting a home care business ten years ago. From 1977 to 1989 she worked as an accountant, internal auditor and program manager at Dine' College from 1977 to 1989.

Katherine Benally has four children, seven grandchildren and is married thirty-six years to husband Stan Benally.

\*NOTE: The RDC is planning a swing through the Navajo Nation to hear issues on grazing from agency residents. It is scheduled for September 18 to 21 (Shiprock, Ft. Defiance, Chinle and Western Agencies in that order).

### ***"Native American Beef Program"***

Topic Description: Labatt's Premium Verified Native American Beef program partners select Native American ranchers with Native American casinos. Native American's cattle is purchased, placed onto feed, and ultimately processed into boxed beef items upon market readiness.

Labatt then distributes the Native American source verified beef to Native American Casinos, where the high quality, locally grown beef is enjoyed by patrons and the program connects the producer with the consumer,

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Native American cattle ranches are able to market their cattle at a premium and thus increase their overall economic stability.

Name: Al Silva  
Title: Chief Operating Officer-GM  
Organization: Labatt Food Service  
Bio: Al Silva is COO of Labatt Food Service, the tenth-largest broadline foodservice distributor nationally. Since Al became COO in 1981, the company has grown from \$8 million to over \$1 billion in sales. Labatt Food Service distributes food and related products to food establishments in Texas, Oklahoma and New Mexico.

### ***“Grazing Permit Overview – Historical Overview; Inventory, Summary, Permittee Responsibility Challenges”***

Topic Description: The Presentation will cover the History of the Grazing Permitting Program and how District Boundary lines were developed. The presentation will also cover the actually present day Livestock Inventory Tally Count and cover the number of Grazing Permits that are issued on the Navajo Nation.

Name: Calvert L. Curley  
Title: “Acting” Supervisory Natural Resource Specialist  
Organization: BIA Division of Natural Resources, Branch of Agriculture and Range  
Bio: Mr. Calvert L. Curley, currently is the Bureau of Indian Affairs Branch of Natural Resource Manager for the Fort Defiance Agency. Mr. Curley has been serving as “Acting” Supervisory Natural Resource Specialist for Navajo Region with oversight and management responsibility for Northern Navajo Agency, Chinle Agency, Fort Defiance Agency and Western Navajo Agency.

### ***“Authority Reference”***

Topic Description: BIA’s trust responsibility to improve and maintain soil and forage resources of the Navajo Nation.

Name: Casey Francisco  
Title: Rangeland Management Specialist  
Organization: Bureau of Indian Affairs/Western Navajo Agency-Branch of Natural Resources  
Bio: Currently working with the Bureau of Indian Affairs for 12 years and bring over 32 years of professional knowledge directly related in rangeland management principles and techniques.

### ***“Range Studies on Navajo Region”***

Topic Description: Range inventory studies on the Navajo Region to determine the carrying capacity and what vegetation sited with pounds per acre. The locations of the studies are GPS with location numbers.

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Name: Jerome W. Willie  
Title: Acting Natural Resources Manager Ft Defiance Agency  
Organization: BIA Branch of Natural Resources  
Bio: Employ with the U.S government for many years some with the US Forest Service in Utah and California and mostly with Bureau of Indian Affairs in Ft Defiance Agency. My job title is Rangeland Management Specialist

### ***“Range Inventory Report - Agency Report: Western Navajo (District 1, 2, 3, 5, 8)”***

Topic Description: The Range Inventory Vegetation Report will assist in the development of plans and adjustment of livestock numbers and the management of range resources. The WNA-BNR and the Navajo Nation have to use this information, in a cooperative effort, to realize the wise, proper and beneficial use of Navajo Nation owned rangeland resources.

Name: Casey Francisco  
Title: Rangeland Management Specialist  
Organization: Bureau of Indian Affairs/Western Navajo Agency-Branch of Natural Resources  
Bio: Currently working with the Bureau of Indian Affairs for 12 years and bring over 32 years of professional knowledge directly related in rangeland management principles and techniques.

### ***“Agency Report: Ft. Defiance (District 7, 14, 18 17)”***

Name: Jerome Willie  
Title: Acting Natural Resources Manager Ft Defiance Agency  
Organization: BIA Branch of Natural Resources  
Bio: Employ with the U.S government for many years some with the US Forest Service in Utah and California and mostly with Bureau of Indian Affairs in Ft Defiance Agency. My job title is Rangeland Management Specialist

### ***“Condition of Land: Agency Report: Central Navajo (District 4, 10, 11)”***

Topic Description: Chinle Agency’s rangeland conditions.  
Name: Genevieve Benally  
Title: Acting Natural Resource Manager/Rangeland Management Specialist  
Organization: BIA Branch of Natural Resources  
Bio: Navajo, from Kayenta, AZ. Have always worked in natural resources settings hoping to make improvements.

### ***“Agency Report: Shiprock Northern Navajo (District 9, 12, 13)”***

Topic Description: Range studies within Northern Navajo Agency  
Name: Jim Dee  
Title: Natural Resource Manager  
Organization: BIA Branch of Natural Resources  
Bio: Employed with the U.S government for many years some with the other BIA Regions. Mr. Dee has been with the Bureau of Indian Affairs for

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many years including Navajo Region. Mr. Dee was the Regional Rangeland Management Specialist who provided technical support to Agencies. Currently, Mr. Jim Dee is the Natural Resource Manager for Northern Navajo Agency.

### ***“Agency Report: Eastern Navajo (District 15, 16, 19, 20, 21, 22)”***

Name: Effie Delmar  
Title : Natural Resource Manager  
Organization: Bureau of Indian Affairs, Eastern Navajo Agency, Division of Natural Resources  
Bio: Manager, 2001 to present; Worked for the government since 1991 (BLM and BIA), other positions held: Rangeland Management Specialist and Natural Resource Specialist Bachelor of Science Renewable Natural Resources, Major: Range Management.

### ***“Navajo drought: Drought impact, greater vulnerability from drought, remediation.”***

Name: Dr. Margaret Hiza Redsteer  
Title: Project Chief  
Organization: United States Geological Survey  
Bio: Dr. Redsteer is currently a research scientist in the geologic discipline of the USGS, Earth Surface Processes Team, where she has been employed since October 1999. She is project chief of the “Navajo Land Use Planning Project”, at the Flagstaff Science Center in Arizona. She works on the Navajo Nation, conducting geologic mapping, studying climate and land use history, and assessing drought impacts, wind erosion, and water quality. Her specific expertise is in sand dune mobility and the mobility of surface sediment resulting from changes in climate and land use. Recent work includes assessment of the dune mobility index developed by Nick Lancaster, and it’s applicability to modeling the vegetation response to climate variability and drought.

Her education includes a B.S. in Geology with extended hydrogeology emphasis from NAU, where she graduated Cum Laude (1989); an M.S. from Montana State University, 1993, on Sedimentary Processes in Volcanic Systems, funded by an NSF fellowship; and Ph.D. from Oregon State University, on the history of the Absaroka Province, Greater Yellowstone, Wyoming and Montana, 1999.

Margaret is of Crow descent, originally from an area on Wyoming-Montana border. She lived in the Joint Use Area of the Navajo Nation for ten years, in what is now Hopi Partitioned Lands, and is mother to three children.

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***“The Changing Global Climate and the Impact on the Navajo Nation”***

Name: Dr. Michael A. Crimmins, Ph.D  
Title: Associate Professor & Extension Specialist  
Organization: Climate Science, Department of Soil, Water & Environmental Science, The University of Arizona  
Bio: Dr. Crimmins received his undergraduate degree in atmospheric science from the University of Michigan, his master’s degree in geography/climatology from Western Michigan University and his doctorate in geography/climatology from the University of Arizona. Dr. Crimmins is trained as an applied climatologist and meteorologist and has ten years experience in the application of climatological methods, tools, and data for natural resource management. Watershed management was his focus for several years while working as a private sector environmental scientist. In that position, he provided expertise on hydroclimatology, urban and agricultural non-point source runoff modeling, remote sensing and GIS applications for watershed management.

Dr. Crimmins is currently on the faculty of the Department of Soil, Water, and Environmental Science at the University of Arizona and is a Climate Science Extension Specialist for Arizona Cooperative Extension. In this position he provides climate science support to resource managers across Arizona by assessing information needs, synthesizing and transferring relevant research results and conducting applied research projects. His extension and research work supports resource management across multiple sectors including rangelands, forests/wildfire, and water resources as well as policy and decision makers. This work aims to support managers by increasing climate science literacy as well as developing strategies to adapt to a changing climate. He also serves as a drought monitoring expert on the Arizona Governor’s Drought Task Force and has worked with counties across Arizona to implement drought preparedness and impact monitoring plans.

Topic: ***Windmill Operation & Maintenance Program***  
Topic Description: Overview of the Operations Section of the Technical, Construction and Operations Branch. The Ft. Defiance Field Office Agency will include workload and discussions on proper request for livestock windmill repairs.  
Name: Merle Burbank  
Title: Senior Construction Supervisor  
Organization: Water Resources Department  
Bio: Employed with the Navajo Nation Department of Water Resources for over 25 years in related field. Worked in all areas of livestock water, natural springs, dugwells, farming and domestic water development, construction and maintenance.

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Topic: ***“Windmill, Earth Dam, Ponds, etc. Inventory”***  
Topic Description: General overview of the “Earthen Dam” procedure for requesting rehabilitation of livestock earthen dams. Also inventory of NN water sources.  
Name: James T. Hale  
Title: Principal Engineering Technician  
Organization: Water Resources Department  
Bio: Employed with the Navajo Nation Department of Water Resources for over 25 years in related field. Worked in all areas of livestock water infrastructure planning, development and construction throughout the Navajo Nation.

Topic: ***“Water Monitoring & Inventory, and Drought Monitoring”***  
Topic Description: Navajo Nation Water Management Branch (WMB) has been monitoring, analyzing and documenting water resources on the Navajo Nation since mid 80's. The WMB also has been monitoring drought situation across the Nation. The objectives of the above works is to provide technical support for litigation and negotiation of Navajo Nation water rights and provides historical and current available data to interested individuals and entities, and provide drought status to Emergency Management Commission to help declare drought emergency.

Name: Bel B. Pachhai  
Title: Senior Hydrologist  
Organization: Water Management Branch, Dpt. of Water Resources, Navajo Nation  
Bio : Employed with Navajo Nation Water Management Branch since 2011. Worked in areas of QC/QA and analysis of precipitation & stream gaging data and drought monitoring.

Name: Jerome Bekis  
Title: Sr. Hydrologic Technician  
Organization: Water Management Branch, Dpt. of Water Resources, Navajo Nation  
Bio: Employed with Navajo Nation Water Management Branch for over 20 years in water monitoring & inventory works.

### ***“Surface Water Quality Impact on Navajo: Nonpoint Source Pollution”***

Topic Description: Surface water quality impact on Navajo – Nonpoint Source Pollution.  
Name: Fred Johnson  
Title: Environmental Specialist  
Organization: Water Quality Program, Navajo EPA  
Bio: Working in Natural Resources for 24 years. Doing community presentations for 10 years. Available to do public presentations on and off the Navajo reservation for adult and youth audience. Contact: [navajoh2o@hotmail.com](mailto:navajoh2o@hotmail.com); Phone: 928-871-6690

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***“Kéyah Baa Hááh Hasin – Conservation” Agriculture Conference PURPOSE”***

Topic Description: To promote natural resource conservation that are taking a beating due to the continuous drought, changing global climate, over population of animals, increasing population and development and a limited land base. And to help producers improve their agricultural products so they may increase revenue while properly managing natural resource use, to increase knowledge of Navajo agriculture laws and regulations and to promote the value of farmers and ranchers and conservationists.

Name: Leo Watchman, Jr.

Title : Department Manager III

Organization: Department of Agriculture, Navajo Nation

Bio: Leo has over 20 years management and leadership experience. He has worked with the Navajo Nation Parks and Recreation and Division of Economic Development and served as a New Mexico State Senator for one term. Leo has worked as the Department Manager of NNDA since April 2009 and manages 29 staff, a six figure budget and various important Agricultural initiatives for the Navajo Nation. Leo is also a farmer and rancher coming from a long line of agricultural entrepreneurs.

***“Future Outlook: Agriculture on the Navajo Nation”***

Topic Description: Agriculture was a big part of Navajo lifestyle. Navajo agriculture has changed over the years. What will it look like in the future?

Name: Leonard Tsosie

Title: Member, Resources and Development Committee

Organization: Navajo Nation Council Delegate

Bio: Leonard Tsosie grew up on the Navajo Nation, went to boarding schools and to colleges at UNM and UNM law school. He is a former New Mexico State Senator. He is now a Delegate to 22nd Navajo Nation Council representing Torreon, Pueblo Pintado, Ojo Encino, Counselor, Whitehorse Lake, Littlewater, Casamero Lake and Baca Chapters. He is a rancher in Eastern Agency.

\*NOTE: The RDC is planning a swing through the Navajo Nation to hear issues on grazing from agency residents. It is scheduled for September 18 to 21 (Shiprock, Ft. Defiance, Chinle and Western Agencies in that order).

***“Navajo Grazing Act”***

Name: Ray Castillo

Title: Extension Agent

Organization: Department of Agriculture, Navajo Nation

Bio: Ray Castillo, Extension Agent, Navajo Department of Agriculture, has been selected Project Leader for IRMP. Mr. Castillo has over 17 years experience with natural resource, livestock and grazing issues on Navajo Partitioned Lands. One of his primary responsibilities involves the development and implementation of 25 CFR 161.

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Moderator Name: Casey Begay  
Title: Member  
Organization: District Grazing Committee Member, Navajo Nation

***“LIVE DEMONSTRATION: Restraining Livestock Safely; Castration of Lambs and Calves; Dehorning Cattle”***

Topic Description: Object of this demonstration is to show how to safely handle and process livestock.

Name: Doctor Scott Bender  
Title: Veterinarian  
Organization: Veterinary and Livestock Program, Navajo Dpt. Of Agriculture  
Bio: Dr. Bender is a Tribal Veterinarian, working primarily as a clinician, regulatory programs and wildlife Veterinarian, now over 16 years, for the Navajo Nation Veterinary program, Department of Agriculture. Education background includes degrees in Animal science, range science, biochemistry and Veterinary Science. Attended both Oregon State University and Washington State University- College 's of Veterinary Medicine. Previous work included; Seaworld with aquatic animal medicine, the US Fish and Wildlife Service's National Wildlife Forensic Lab, the Atlantic Veterinary College , Canada, as a large animal medicine - surgery clinician, and assistant instructor of wildlife medicine. Presently, besides working as a Tribal Veterinarian, continues to consult with the USDA-APHIS Wildlife Services in Arizona , doing cooperative Rabies projects, primarily on evaluation and use of Oral Rabies baits, Oral Rabies vaccines and birth control vaccines, for use in feral and free-roaming canines and USDA Veterinary Services as the Navajo area Foreign animal disease investigation Veterinarian.

***“Agriculture Land Use Plots”***

Topic Description: It is the steps needed to obtain an Agricultural Land Use Permit for Dry Land and Irrigated Farm Land, and the difference between them.

Name: Juan Arviso  
Title: Soils Conservation Technician  
Organization: Branch of Natural Resources, BIA, Ft. Defiance, AZ  
Bio – Soils Conservation Technician, BIA, BNR, Ft. Defiance, AZ, for the past 36 years; attended Eastern Arizona College in Thatcher, AZ, for two years and majored in Professional Agriculture; attended New Mexico State University, Las Cruces, NM, for Horse Shoeing and received certification as a Farrier.

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***“How to Write a Successful Chapter Resolution”***

Name: Walter Hudson  
Title:  
Organization:

***“How to Start a Livestock Association”***

Topic Description: The Pueblo of Laguna has been utilizing grazing associations since the late 1950's in an effort make better use of the natural resources and to promote cooperative marketing. I will be discussing the structure and organization as well as the use of various funding sources to make a grazing association a success.

Name: John M. Romero  
Title: Secretary  
Organization: Sedillo Cattle Association  
Bio: My name is John M. Romero and I am a multi-generation rancher from the Pueblo of Laguna. I serve on the Laguna Livestock Board; on the board of directors of the New Mexico Cattlegrowers Assoc.; a member of the National Cattlemans' Beef Association; secretary of the Sedillo Cattle Assoc. I was awarded the 2009 Rangeland Manager of the Year Award by the Society for Range Management and I am currently employed as the Realty Office Manager of the Pueblo of Isleta.

***“Seed To Feed: Hydroponic Fodder Production”***

Topic Description: Hydroponic fodder solutions will revolutionize the way livestock is fed on Navajo. Hydroponics will make it more affordable to keep livestock, hydroponics will provide healthy, fresh, vitamin loaded, green fodder year ‘round. Hydroponics will allow you to produce better stock!

Name: Bill Edwards  
Title: Program Director  
Organization: Tolani Lake Enterprises Inc.  
Bio: Enrolled Lumbee Nation/African American. Board President, Programs Director and certified grant writer for Tonali Lake Enterprises Inc. Sheep Herder and Business Owner.

***“Probate: Eastern Agency”***

Topic Description: How Probate is managed in Eastern Navajo.  
Name: Effie Delmar  
Title : Natural Resource Manager  
Organization: Bureau of Indian Affairs, Eastern Navajo Agency, Division of Natural Resources  
Bio: BIA-ENA,-DNR Manager, since 2001 to present; Worked for the government since 1991 (BLM and BIA), other positions held: Rangeland Management Specialist and Natural Resource Specialist  
Bachelor of Science Renewable Natural Resources, Major: Range Management.

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***“What Services to Expect from your DGCM”***

Topic Description: This presentation will cover the duties and responsibilities of the District Grazing Committee Member (DGCM). A description of the role of the DGCM in the Home Site Lease Application Process, Dispute Process and the annual livestock tally count.

Name: Kim Johnson  
Title: Acting Program Manager  
Organization: Grazing Management Office, Department of Agriculture, Navajo Nation  
Bio: 2011 - 2012 Acting Program Manager, Grazing Management Program; 2007 - 2011 Office Specialist, Grazing Management Program; 2007 - 2012 University of New Mexico, Pursuing BA in Business Administration; 1998 – 2006; Certified Medical Secretary. Over 10 years experience working in the private and public sector as Administration Support and assisting medical research, and assisting with grant writing and research.

***“Your Best Bull Selection”***

Name: Tom Hardesty  
Organization: Basin Angus Ranch

***“Soils for Farming and Gardening”***

Topic Description: This will be an introductory discussion on soils, soil forming factors and good farming practices and how they relate to gardening and small scale farming. I will also include a brief discussion on Web Soil Survey and the information available to gardeners and farmers.

Name: Russell Plumb  
Title: Project Leader Flagstaff Soil Survey  
Organization: USDA/NRCS  
Bio: I have been employed with the NRCS for eight years, of which, the last two were as Project leader in the Flagstaff Soil Survey office. I have a Masters Degree in Plant Science and Soil Science from California Polytechnical University in Pomona and a Bachelors Degree from the University of California, Riverside.

***“Probate: Big Navajo”***

Name: Irvine Chee  
Title: Tribal Court Advocate  
Organization: Department of Justice, Navajo Nation

***“Creating a Grazing Management Plan”***

Topic Description: This presentation will provide guidance on developing a Grazing Management Plan and its purpose.

Name: Kim Johnson  
Title: Acting Program Manager  
Organization: Grazing Management Office, Department of Agriculture, Navajo Nation

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Bio: 2011 - 2012 Acting Program Manager, Grazing Management Program; 2007 - 2011 Office Specialist, Grazing Management Program; 2007 - 2012 University of New Mexico, Pursuing BA in Business Administration; 1998 - 2006 Certified Medical Secretary. Over 10 years experience working in the private and public sector as Administration Support and assisting medical research, and assisting with grant writing and research.

Name: Ray Castillo  
Title: Extension Agent  
Organization: Department of Agriculture, Navajo Nation  
Bio: Ray Castillo, Extension Agent, Navajo Department of Agriculture, has been selected Project Leader for IRMP. Mr. Castillo has over 17 years experience with natural resource, livestock and grazing issues on Navajo Partitioned Lands. One of his primary responsibilities involves the development and implementation of 25 CFR 161.

***“Five Items to Increase the Value of Your Herd”***

Topic Description: There are many more items that can be discussed but the discussion will focus on; breeding program; uniformity in both cattle/calve size; vaccination program; implementing a range management plan; using outside funding sources.

Name: Stuart A. Romero  
Title: President  
Organization: Sedillo Cattle Association  
Bio: Stuart A. Romero is a multi-generation rancher from the Pueblo of Laguna as well as a member of the National Cattlemans' Beef Association. Stuart is a graduate of Central New Mexico college and a student of the range sciences program at New Mexico State University and is the President of the Sedillo Cattle Association and is currently employed at the Pueblo of Laguna.

***“Planting a Garden Oasis in Naschitti”***

Topic Description: I will discuss how I used various gardening techniques to create a little garden in Naschitti. Some considerations include water, soil, fertilizer shade, and crop types.

Name: Richard Begay  
Title: Private Navajo producer  
Organization: Private Navajo producer  
Bio: I live and work on the Navajo Nation and currently work for the USDA-NRCS. Like many Navajos, I come from a long line of proud sheep herders, farmers, and ranchers. I live at To'ndigishi (Naschitti Chapter) with my chickens, cat, and dogs. I also have sheep and goats in the Chuska Mountains.

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### *“Agriculture and Conservation Priority Within the Division of Natural Resources”*

Name: Frederick H. White  
Title: Executive Director  
Organization: Division of Natural Resources, Navajo Nation  
Bio: Originally from CORNFIELDS Arizona which is located Southwest of Canyon DeChelly Monument; Graduate of Northern Arizona University in Biological Sciences; 3 years Training in Parks Service Management with the National Parks; 15 yrs. With the Navajo Nation Parks & Recreation; 13 yrs. With the Navajo Economic Development; 6 years in the position of Deputy Division Director for DNR; Appointed Division Director, Division of Natural Resources, July 16, 2012

### *“Cemeteries and Eminent Domain”*

Name: Mike Halona  
Title: Department Manager  
Organization: Land Department, Navajo Nation

Name: Howard Draper  
Title: Program and Project Specialist  
Organization: Land Department, Navajo Nation  
Bio: H.S. diploma at WRHS, B.S. at Univ. of Arizona, currently over twenty years at Navajo Land Dept including rancher, hunter, plays hard and works hard.

### *“What is an Integrated Weed Management Plan? How will this help me?”*

Topic Description: To develop an Integrated Weed Management Plan for the Navajo Indian Reservation  
Name: Renee Benally  
Title: Natural Resource Specialist  
Organization: U.S. Dpt. of the Interior, Bureau of Indian Affairs - Navajo Region  
Bio: Renee Benally works in Western Navajo Agency, Branch of Natural Resources, Tuba City, AZ. Ms. Benally received her B.S. in Zoology and M.S. in Biology from the Northern Arizona University. She joined the Federal Agency about 8 years ago in the natural resource business but otherwise majority of her background evolved around research. This was a major transition from providing technical assistance and training and confocal microscopy at the SW Environmental Health Science Center at the University of Arizona and studying frog behavior to conducting noxious weed inventory using GPS/GIS and controlling noxious weed across the Western Navajo Agency with local communities and land users.

Name: Harrilene Yazzie  
Title: NEPA Coordinator  
Organization: U.S. Department of the Interior, BIA

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**Bio:** Harrilene Yazzie works in the Navajo Regional Office, Environmental Services, Gallup, NM. Ms. Yazzie has years of NEPA experience across the Navajo Nation and works with numerous stakeholders. She will be heavily involved with this project.

**Organization:** Fred Phillips, Inc.  
**Bio:** Fred Phillips Consulting, LLC (FPC) is an ecosystem restoration firm based in Flagstaff, Arizona. Our projects include multidisciplinary wetland/aquatic/riparian restoration, commercial, and residential landscape design, natural resource planning, and fund raising/eco-business development projects for Native American Tribes, nonprofit organizations and public and private agencies. We strive to accomplish the wise planning, restoration and development of the natural landscapes of the western United States and beyond. FCP also teams with a diverse group of highly qualified consultants giving us the ability to implement any type of project. With the vision to restore and maintain natural landscapes and the knowledge to wisely develop natural resources, FCP offers a unique and valuable environmental consulting service

### ***“Traditional Wool Dyeing Demonstration”***

**Topic Description:** Will be doing the demonstration on Wool Dyeing

**Name:** Sarah H. Natani

**Organization:** Dine’ Be Iina, Inc.

**Bio:** Sarah H. Natani is born in Littlewater, New Mexico in a stone built Hogan. As a child she herded sheep and learned how to weave at the age of 9. It was her father, Nakai Chee who encouraged her weaving at an early age. Her first weaving was made out of Levi Denim Jean strips which was cut into strips as she wove her first weaving. After she graduated from using bulky wool in her weaving, her interest sparked to spinning wool and preparing materials for weaving. In 1972, she attended her first Hand Weavers Guild of America Convergence in San Francisco, CA where she saw for the first time, a European style spinning wheel. She immediately began a lifelong friendship with Mary Black, who gave her a spinning wheel. Sarah has been teaching Navajo weaving for over 45 years to the weaving community throughout the world. Her trips include going to Beijing, China for a Fiber Arts Expo and to Rome, Italy to teach a weaving class. Sarah’s knowledge in weaving is vast, she knows over 20 complex Navajo Twill Weaving designs, all of which she taught herself. She is also knowledgeable in Navajo Sash Belt, Navajo Rope making, Navajo Pottery, Navajo Moccasin making, Silversmith, Leatherwork, knitting, crochet, wool dyeing and spinning a variety of fibers. When Sarah is asked to describe herself, she simply says: “I’m a Jill of all trades”.

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### *“Regional Food Systems”*

Topic Description: This is a presentation of the work being done this year to develop a local food system for the San Juan River watershed of the four corners region. The presentation starts with why a regional food system is important.

Name: Evert Oldham

Title: Area Director

Organization: San Juan County Government

Bio: After 40 years, 3 careers and 2 retirements in the private sector Evert finally landed a government job last year with the USDA Rural Development as Area Director for Cibola, McKinley & San Juan Counties, New Mexico. His focus is helping communities plan and build systems for developing prosperity in a changing world.

### *“Five Year Action Plan to Address Feral Livestock in Eastern Navajo Agency”*

Topic Description: Factors, Barriers, Solution related to the feral horses in Eastern Navajo Agency; Developing an Incident Comment System to respond to the feral horse round-up(s); Management techniques, methods and monitoring.

Name: Effie Delmar

Title : Natural Resource Manager

Organization: Bureau of Indian Affairs, Eastern Navajo Agency, Division of Natural Resources

Bio: BIA-ENA,-DNR Manager, since 2001 to present; Worked for the government since 1991 (BLM and BIA), other positions held: Rangeland Management Specialist and Natural Resource Specialist  
Bachelor of Science Renewable Natural Resources, Major: Range Management.

### *“Livestock Range Nutrition”*

Name: Dr. Jim Sprinkle

Title: Area Animal Science Specialist

Organization: University of Arizona, Gila County

Bio: Jim Sprinkle was raised on a livestock farm in Southwestern Va., received an Associate degree in horsemanship and stable management at Ricks College in 1980 and was in the horse business for 8 years before going back to school at age 33. He received a B.S. in Animal Science from BYU, a M.S. in Animal Science from Montana State University, and a Ph. D. in Animal Nutrition from Texas A & M University. Research at both MSU and TAMU was with range cattle and encompassed range animal nutrition and forage intake, grazing behavior, and physiological and genetic adaptations to a range environment.

Dr. Sprinkle has been employed as an Area Extension Agent, Animal Sciences by the University of Arizona since 1995. In 2002, he assumed administrative responsibility as the Gila County Cooperative Extension Director, supervising 3 Extension offices. In 2005, he also assumed duties as a regional specialist for the Department of Animal Sciences at the

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University of Arizona. Most of his work is with range monitoring, range issues, range beef cow production, and range nutrition.

His current research is in the area of beef cattle mineral nutrition. In 2011, a research team he led won the Applied Animal Science Award from the Western Section, American Society of Animal Science (**WSASAS**) for beef cattle trace mineral research on Arizona rangelands.

Dr. Sprinkle has a 100% Extension appointment and is housed in central Arizona at Payson. As such, he does not teach formal classes but is engaged in outreach education through his Cooperative Extension appointment. In 2000, a USDA grant, *Reading the Range* was obtained and demonstration ranches for range monitoring were established with technical assistance provided. With extramural funding, the *Reading the Range* monitoring program has been able to expand exponentially from 4 ranches in 2001 on 100,000 acres in the Tonto National Forest to now include 49 ranches on 1,162,521 acres. On the Tonto National Forest, 48% of grazing allotments are now enrolled in *Reading the Range*. Since the *Reading the Range* program began in 2001, \$505,638 in extramural funding has been obtained.

### ***“Dine’ Value of the Land and Agriculture”***

Name: Robert Johnson  
Title: Navajo Cultural Specialist  
Organization: Navajo Nation Museum

### ***“Drip Irrigation for Gardens, Small Farms, and Landscapes”***

Name: Dr. Dan Smeal, PhD  
Title: Irrigation Specialist and College Professor  
Organization: New Mexico State University – Agriculture Science Center  
Bio: Dan has been conducting irrigation research at the Agriculture Science Center, Farmington, NM, since 1983. In recent years, he has been evaluating the drip irrigation requirements of various vegetable crops, drought-tolerant landscape plants, and native plants potentially suitable for soil stabilization and reclamation. Dan also teaches a class in Irrigation Design at San Juan College, Farmington, NM.

### ***“Benefit of Filing Agriculture and Ranching Income Taxes”***

Name: Dr. Ruby Ward  
Title: Associate Professor  
Organization: Utah State University  
Bio: Dr. Ruby Ward, Associate Professor at Utah State University was raised on a farm and ranch in South-eastern Idaho. After graduating from Ricks College, she received a BS in Agriculture Economics and Accounting from Utah State University. From Texas A&M she received an MBA and a PhD in Agriculture Economics. Dr. Ward joined the faculty at Utah State University in 1998 and was tenured in 2005. Ward is currently an

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associate professor and extension specialist at Utah State University. Her current assignment involves all three areas emphasized at a land grant University – teaching, research and extension. She teaches agricultural finance and community planning. Ward works primarily in the area of rural development focusing on regional economics and agriculture entrepreneurship. Ward is the committee chair for the Diversified Agriculture Conference.

### ***“Range Management and Herbicides”***

Topic Description: Range management has been a hot topic since the invasion of noxious weeds. The presentation will cover the safe use and handling of herbicides when battling noxious weeds.

Name: Glenna Lee

Title: Pesticide Program Supervisor

Organization: Environmental Protection Agency, Navajo Nation

Bio: Ms. Glenna Lee is the Pesticide Program Supervisor for the Navajo Nation Environmental Protection Agency (NNEPA). Glenna has over 17 years of experience in the environmental field, including 6 years in the pesticide area. The NNEPA Pesticide Program monitors & regulates the use of pesticides on Navajo tribal land. The program goal is to protect and preserve human health and environment by ensuring the proper use and disposal of pesticides on the Navajo Nation through monitoring, inspections, enforcement and public outreach. Ms. Lee is federally trained and a credentialed FIFRA inspector. Ms. Lee has a Master of Science degree in Environmental Policy and Management from the University of Nevada Las Vegas.

Name: Jefferson Biakeddy

Title: Senior Environmental Specialist

Organization: Environmental Protection Agency, Navajo Nation

Bio: Mr. Jefferson Biakeddy has been with Navajo EPA Pesticide Program for 19 years. He attended Southern Utah State University in Cedar City, Utah. He received a degree in Agriculture and Certification in Farm & Ranch Management. Mr. Biakeddy has been instrumental in certain areas of program development & implementation (i.e. Worker Protection Standards, Aquifer Sensitivity & Groundwater Vulnerability with USGS, Development of Enforcement Documents, and the Federal Certification Program for Navajo Nation). He is currently a federally trained & credentialed FIFRA inspector; to conduct compliance inspections and investigations on behalf of USEPA R9 and Navajo Nation. He is also, involved with his family livestock operation (cattle) and local youth rodeo organization on Navajo.

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### ***“Navajo Weaving: Wedge Weaving Technique”***

Topic Description: This presentation will discuss what this technique is and its development.  
Name: TahNibaa Naataanii  
Title: Executive Director  
Organization: Dine Be Iina, Inc.

### ***“Green House and Box Gardening”***

Name: Nicole Pino  
Title: Extension Agent  
Organization: Navajo Technical College, Crownpoint, NM  
Bio: Yah'ta'hey, my name is Nicole Pino. I am Folded Arm People born for Water Flows Together. My maternal-grandfather is Mexican Clan and my paternal grandfather is Chihuahua Apache. My hometown is Crownpoint, New Mexico and I currently reside there now. I am 29 years old. After graduating Crownpoint High School in May 2001, I attended Crownpoint Institute of Technology now known as Navajo Technical College. I majored in Veterinary Technology and received my Associates of Applied Science in May 2003. I continued my education at New Mexico State University in Las Cruces, New Mexico in Animal Science. I received my Bachelor of Science in May 2006. I am now employed as an Extension Agent at Navajo Technical College and have been working with Mr. Anthony Howard for the past 2 years. We have been a great team. We have been tackling education events, community outreach projects, youth involvement, garden projects, herd health for communities and so much more. I am happy to be here today to share my experiences with box gardening and greenhouse management.

Name: Anthony Howard  
Title: Extension Agent  
Organization: Navajo Technical College, Crownpoint, NM  
Bio: My clans are To'aheedliinii, born for Bit'ahnii, my maternal grandparents are Kinyaa'aanii. I have a Bachelor Science degree in Animal Science from New Mexico State University, Las Cruces, NM. I work for Navajo Technical College Extension Service for the past ten years.

### ***“2008 – 2012: Livestock Round Up Report (Trends, Attitudes, Future Plans for Feral Livestock Removal”***

Name: Randall Jim  
Title: Sergeant  
Organization: Resource Enforcement, Navajo Nation  
Name: Aurelia Nez  
Title: Sergeant  
Organization: Resource Enforcement, Navajo Nation

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***“Re-Focus on Value of Beef Quality Assurance and Utilizing EPD’s”***

Name: Manny Encienas  
Title: Livestock Specialist  
Organization: New Mexico State University

***“Growing and Harvesting Navajo Tea for Profit”***

Topic Description: The economics of farming organic Navajo tea like a hay crop: Why farm it when it grows wild all over?

Name: Steve Heil  
Title: Grower  
Organization: Farm Wonder LLC  
Bio: 2012 Recipient of the NM Organic Farming Conference Good Earth Award for his work farming organic Navajo tea and 2010 recipient of the Golden Apple Award for his work as an elementary teacher, Steve Heil eagerly looks forward to the day when organic Navajo tea greenthread herb is sustainably grown on many small, family farms in the arid Four Corners Region to the benefit of the plant, the growers, worldwide consumers, and the land.

***“Basic Low Pressure Sprinkler Irrigation”***

Name: Dr. Dan Smeal, PhD  
Title: College Professor  
Organization: NMSU – ASC Plant and Environmental Sciences  
Bio: PhD. Southern Methodist University. Environmental monitoring, nonparametric regression.

***“The Navajo Corporation Code: How to Incorporate A Ranching/Farming Business”***

Name: Eunice Begay  
Organization: Navajo Business Regulatory

***“Integrating Range and Wildlife Water Restoration to Mitigate Climate Change & Drought at NN Pitts Ranch”***

Name: Ivan Becenti  
Title: Acting Manager  
Organization: Tribal Ranch Program, Department of Agriculture, Navajo Nation

Name: Dan Taylor  
Title: Water for Wildlife Program Coordinator  
Organization: Bat Conservation Foundation  
Bio: Dan has a BS. in Wildlife Biology from the University of Montana and an MS. in Forestry from Northern Arizona University. He is the Coordinator for Bat Conservation International’s Water for Wildlife Program has more than 28 years of experience working on wildlife conservation projects in the U.S., Central America, and Africa.

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Topic Description: Open cows affects, impact to resources, and grazing  
Name: Doctor Scott Bender  
Title: Tribal Veterinarian  
Organization: Veterinary and Livestock Program, Chinle Agency Veterinary Clinic, Navajo Dept. Of Agriculture  
BIO: Dr. Bender is a Tribal Veterinarian, working primarily as a clinician, regulatory programs and wildlife Veterinarian, now over 16 years, for the Navajo Nation Veterinary program, Department of Agriculture. Education background includes degrees in Animal science, range science, biochemistry and Veterinary Science. Attended both Oregon State University and Washington State University- College 's of Veterinary Medicine. Previous work included; Seaworld® with aquatic animal medicine, the US Fish and Wildlife Service's National Wildlife Forensic Lab, the Atlantic Veterinary College , Canada, as a large animal medicine - surgery clinician, and assistant instructor of wildlife medicine. Presently, besides working as a Tribal Veterinarian, continues to consult with the USDA-APHIS Wildlife Services in Arizona , doing cooperative Rabies projects, primarily on evaluation and use of Oral Rabies baits, Oral Rabies vaccines and birth control vaccines, for use in feral and free-roaming canines and USDA Veterinary Services as the Navajo area Foreign animal disease investigation Veterinarian.

### ***“Native Seeds/SEARCH and Native American Partnerships: Working Together to Preserve Biodiversity in the American Southwest”***

Name: Dr. Veletta Canouts, Ph.D., Anthropology  
Title: Native American Liaison  
Organization: Canouts Consultancy, LLC And Native Seeds/SEARCH  
Bio: Dr. Canouts has worked with Native Seeds/SEARCH to help develop their Native American educational and outreach program. As their Native American liaison, she helped plan and present their new Seed Keepers workshop for the Gila River Indian Community and more recently participated in the Garden Expo held on the White Mountain Apache Reservation. She has worked in heritage preservation for over 35 years, 10 of them working with Indian tribes in Arizona. Dr. Canouts received her doctorate in anthropology from Southern Illinois University, and is currently a research collaborator with colleagues at the Smithsonian Institution. Her interest is the preservation of heritage crops in the context of cultural values and locally sustainable economies based on community gardening.  
Native Seeds/SEARCH is a non-profit organization that has been collecting and preserving seeds from the American Southwest and northern Mexico since 1983. These collections—what they are and how they are maintained and conserved—are discussed, together with Native American programs that offer technical assistance, educational opportunities, and free seeds.