



WRP Tribal Engagement Temporary Working Group Planning Call

February 2022

Welcome to WebEx

Audio:

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If any issues/questions, please use the chat feature

Today's Agenda

- **Welcome and Introductions**
- **Featured presentations:**
 - **Tribal Energy and Mineral Development Grant Opportunities** by Jennifer Reimann, Branch Chief, Renewable and Distributed Generation, Division of Energy and Mineral Development, BIA
 - **Current and future impacts of a changing climate in agriculture, forests and water resources of the Southwestern United States** by Dr. Emile Elias, Director, USDA Southwest Climate Hub and Dr. Steven Ostoja, Director, USDA California Climate Hub
- **TETWG 2022 Actions**
- **Around the Phone Updates**

Jennifer Reimann

Branch Chief, Renewable and Distributed Generation, Division of Energy and Mineral Development, BIA



- Civil engineer with a background in global energy management and over 10 years of professional experience providing technical guidance and consultation to American Indian Tribes and Alaskan Natives on energy and mineral resource development.
- Specialized experience includes advisory, consulting, and reviewing services in engineering design, policies, and development of renewable and distributed energy resources on Indian land.
- Experience with biomass, wind, solar, micro-grid, hydropower, geothermal, and energy storage technologies.
- M.S., Global Management; B.S., Civil Engineering



DIVISION OF ENERGY AND MINERAL DEVELOPMENT

Tribal Energy and Mineral Development Grant Opportunities

Western Regional Partnership
Tribal Engagement Temporary Working Group
02/25/2022



Now Accepting Applications for DEMD Tribal Grant Programs

Deadline: Applications must be submitted by April 27, 2022.

ENERGY AND MINERAL DEVELOPMENT PROGRAM (EMDP) GRANT

Each year, our Division of Energy and Mineral Development offers tribes financial support to assess the energy and mineral resource potential of their lands through its Energy and Mineral Development Program (EMDP) grants.

Apply for EMDP Grant: <https://bit.ly/2022emdp>

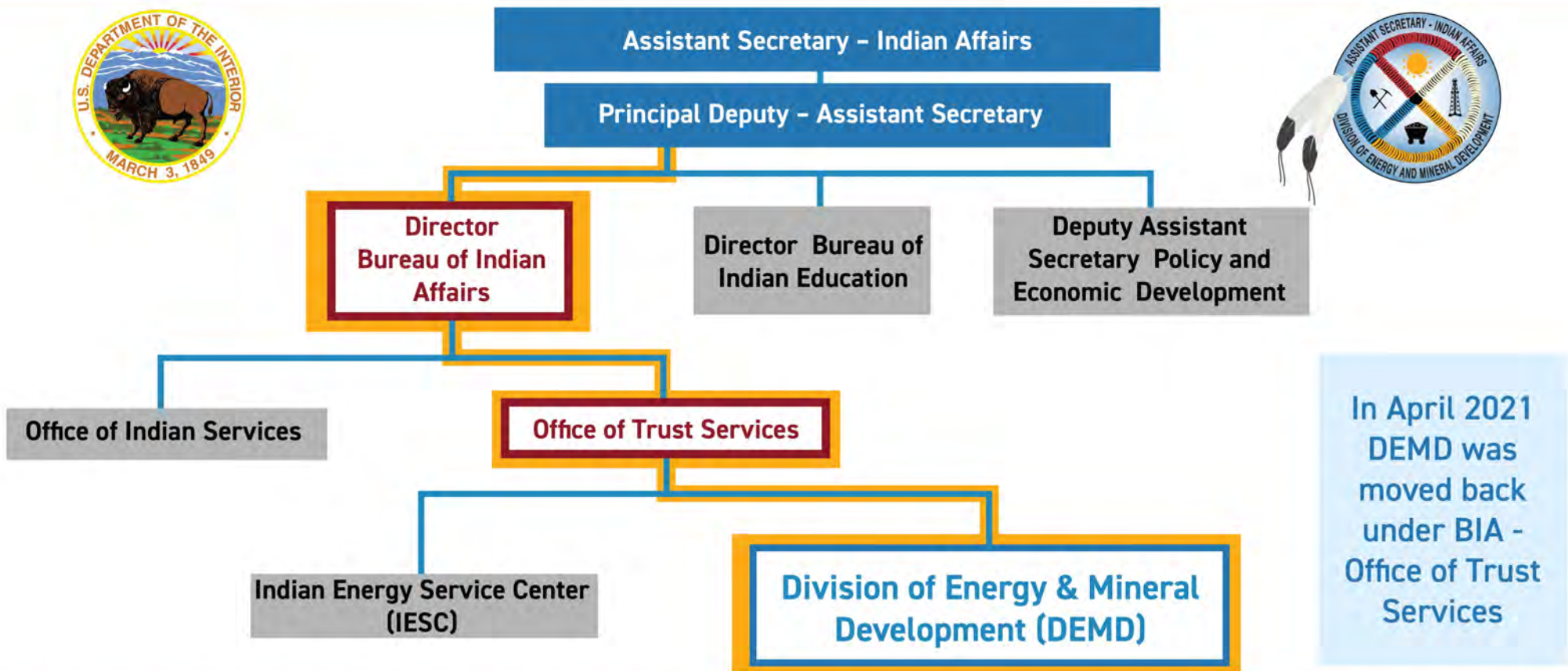
TRIBAL ENERGY DEVELOPMENT CAPACITY (TEDC) GRANT

This program seeks to develop the Tribal management, organizational and technical capacity needed to maximize the economic impact of energy resource development on American Indian and Native Alaskan land. TEDC grants equip Federally recognized American Indian Tribes and Alaska Federally recognized Tribal entities to regulate and manage their energy resources through development of organizational and business structures and legal and regulatory infrastructure.

Apply for TEDC Grant: <https://bit.ly/2022tedc>



DIVISION OF ENERGY AND MINERAL DEVELOPMENT



In April 2021
DEMD was
moved back
under BIA -
Office of Trust
Services



DEMD Mission

Provide the best possible technical and economic advice and services in assisting Indian mineral owners to achieve economic self-sufficiency by creating sustainable economies through the environmentally sound development of their energy and mineral resources.



DIVISION OF ENERGY AND MINERAL DEVELOPMENT

FLUID MINERALS

Team of professionals provides technical support, mineral assessments, economic analysis, lease negotiations and recommendations for all oil and natural gas energy resources.

SOLID MINERALS

Solid Minerals staff supports Tribes and allottees in assessing and developing their mineral and aggregate resources, resource evaluation and bringing resources into production and profitable joint ventures.

GEOTECHNICAL DATA SERVICES

Geotechnical Data Team maintains seismic datasets and provides data to oil and gas companies or other investors who are interested in exploration and developing new reserves on Indian lands.

NIOGEMS

NIOGEMS is a map-oriented computer software application for managing reservation oil and gas lease, well, production, and other energy/mineral resource data. Training and support are all provided at no cost.

RENEWABLE & DISTRIBUTED GENERATION

Renewable and distributed energy team is committed to helping Tribes formulate and implement energy development strategies, pre-feasibility studies, and consultation to best fit with their unique circumstances and long-term visions.

BUSINESS SERVICES

Business Services provides strategic and economic planning guidance and business structure. Grant Programs and Marketing services.





PROGRAM SERVICES FOR TRIBES

GRANTS

- EMDP GRANT
- TEDC GRANT

MARKETING ASSISTANCE

- MARKETING COLLATERAL
- TRADESHOW GRAPHICS
- DESIGN ASSISTANCE
- AND MORE

TECHNICAL ASSISTANCE

- RESOURCE ANALYSIS
- ECONOMIC PLANNING AND ANALYSIS
- TECHNICAL ADVISEMENT
- GRANT ASSISTANCE
- PROJECT PLANNING
- BUSINESS PLANNING, ENTITY FORMATION
& PROJECT MANAGEMENT
- DUE DILIGENCE
- AND MORE

DEVELOP POTENTIAL PARTNERSHIPS

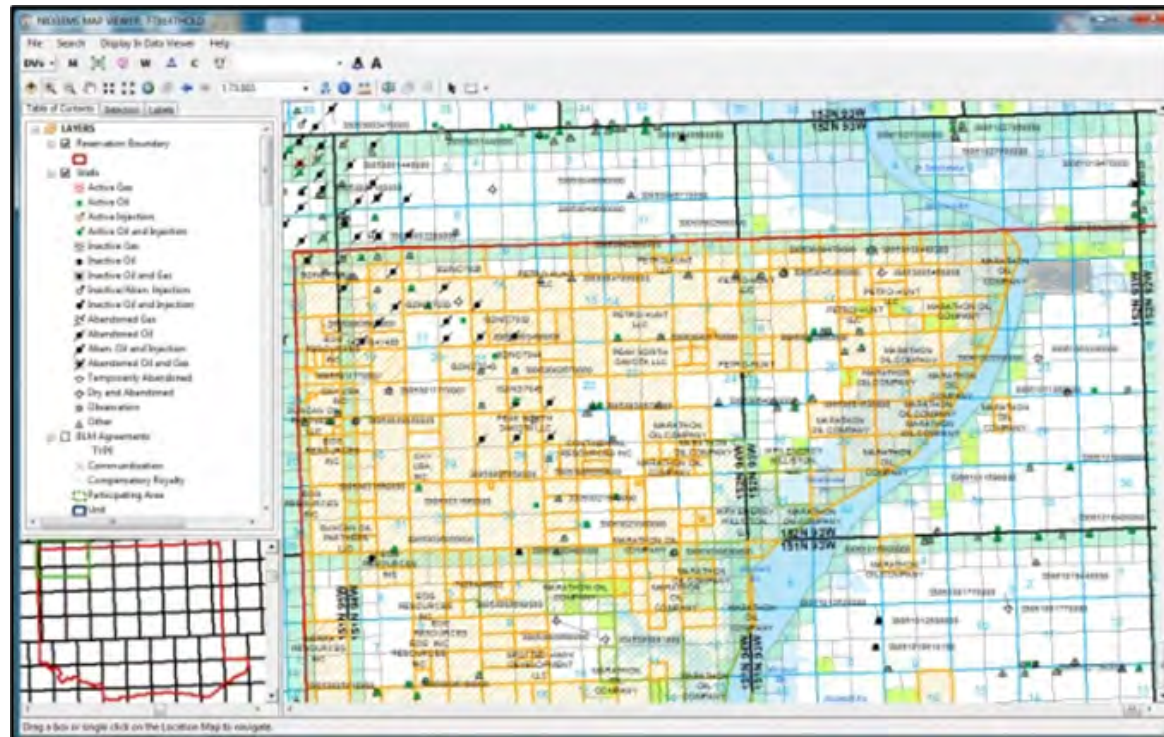
- BUSINESS PLANNING, ENTITY
FORMATION & PROJECT MANAGEMENT
- BUSINESS PARTNERING, DEAL
STRUCTURING & EVALUATION



DIVISION OF ENERGY AND MINERAL DEVELOPMENT

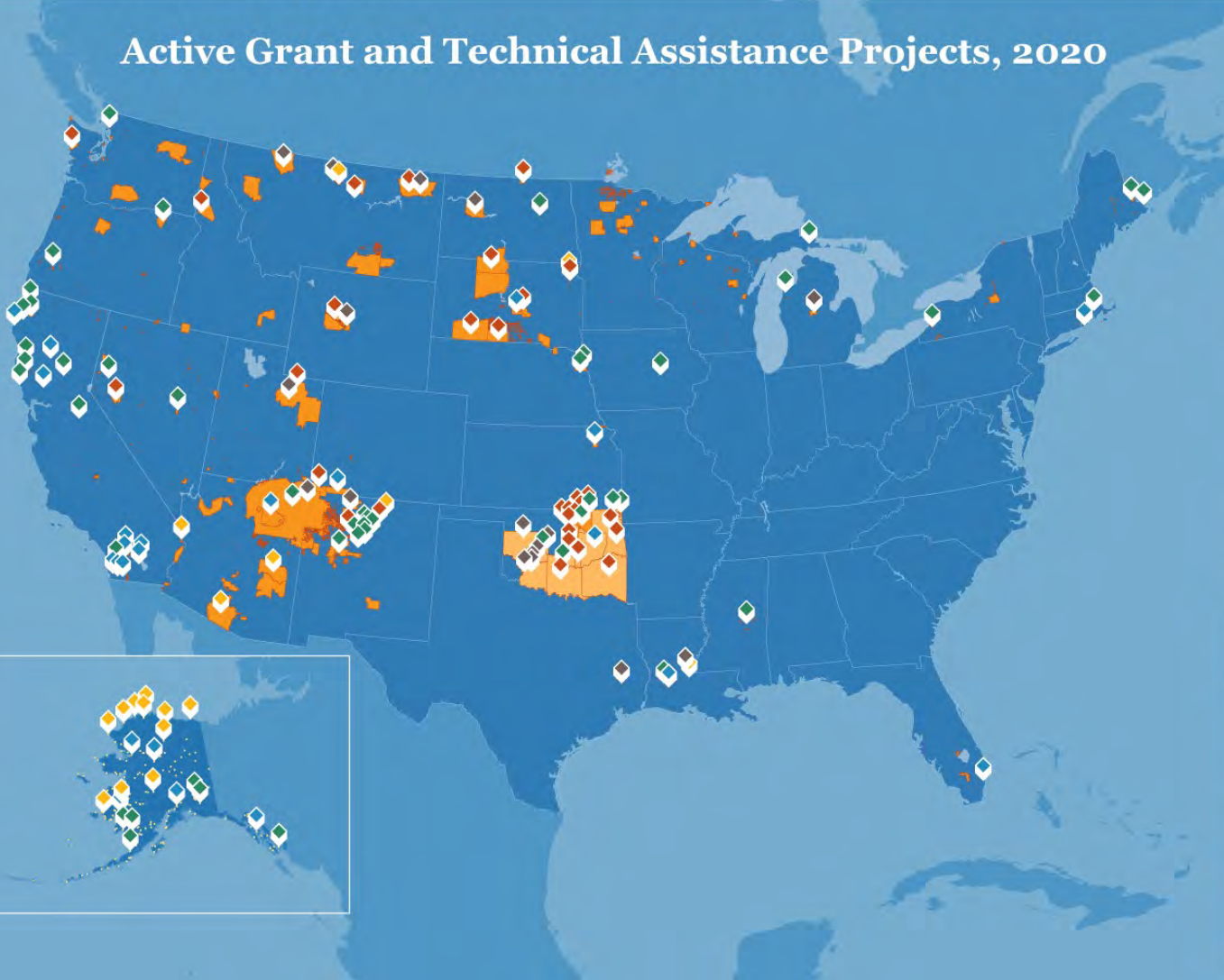
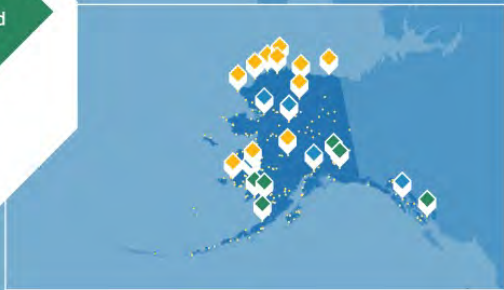
National Indian Oil & Gas, Energy and Minerals System (NIOGEMS)

- ❖ Helping Tribal Resources Managers with Data Driven Decision Making.
- ❖ Brings data from BIA / BLM / ONRR, Tribal, public, and commercial datasets into a mapping software system
- ❖ Centered around providing all data needed for the leasing and development of Tribal energy and mineral resources





Active Grant and Technical Assistance Projects, 2020



- LEGEND
- Fluid Minerals
 - Solid Minerals
 - Renewable and Distributed Generation
 - NIOGEMS
 - TEDC
 - Native American Reservations Boundaries
 - Oklahoma Tribal Statistical Areas
 - Alaska Native Entities



Why develop energy and minerals?

1. Essential elements to everyday life
2. Tribes have inherent economic advantages
3. Tribal ownership and operations
 - » Economic engine
 - » Improve infrastructure
 - » Advance Tribal Sovereignty

Why develop energy and minerals?

Energy Utility Development

- ❖ Tribes spend on average \$2-\$3 million per year on electric power.
 - This can range from a low of a couple hundred thousand up to \$20+ million for large casino/resort tribes.
- ❖ Extrapolated to all Federally recognized tribes this is a \$1-\$2 billion dollar annual market.
- ❖ The Utility market on Tribal lands is largely owned, operated, and controlled by **third party incumbent utilities** who may or may not have the tribe's best interests in mind.
- ❖ Tribes need to, and are, taking a more active role in managing these assets.



Why develop energy and minerals? Construction Aggregate Development

- ❖ Construction projects on or near reservations rely on supplies of aggregate resources from non-Indian, off Reservation sources.
- ❖ Off-reservation aggregate can add \$7.50/ton for transportation, for every 30 miles
- ❖ Remote reservations have paid up to three times as much for materials compared to urban areas.
- ❖ Development of your own aggregate resource will SAVE you money.
- ❖ Inherent tax advantages create potential to become a competitive regional supplier, generating new income and good paying jobs



2021 Infrastructure Investment and Jobs Act Summary Breakdown

- ✦ Broadband
- ✦ Transportation
- ✦ Environmental Sustainability
- ✦ Water Infrastructure
- ✦ Education
- ✦ Health
- ✦ Revenues & Offsets
- ✦ Homeland Security and Emergency Management

Intersections and Opportunities for Energy and Minerals



DEMD Grants:

- ❖ No Cost Match
- ❖ Proposals due April 27

Tribal Energy Development Capacity Program (TEDC)

Develop tribal managerial, organizational, and technical capacity to maximize the economic impact of energy resource development on Indian land.

~\$1.5MM

Awarded Annually

*Tribal Energy Development Capacity
(TEDC) Grant*

- Developing legal infrastructure for business formation
- Establishing tribally chartered corporations under tribal corporation codes
- Establishing tribal business charters under federal law (IRA Section 17 corporation)
- **Establish Tribal Utility Authority**
- Developing or enhancing tribal policies, codes, regulations, or ordinances related to regulating and developing energy resource(s)
- Land lease regulations for energy development purposes
- Helping Expedite and Advance Responsible Tribal Homeownership (HEARTH) Act
- Adopting secured transaction codes and subsequent joint power agreement with the tribe's respective state.

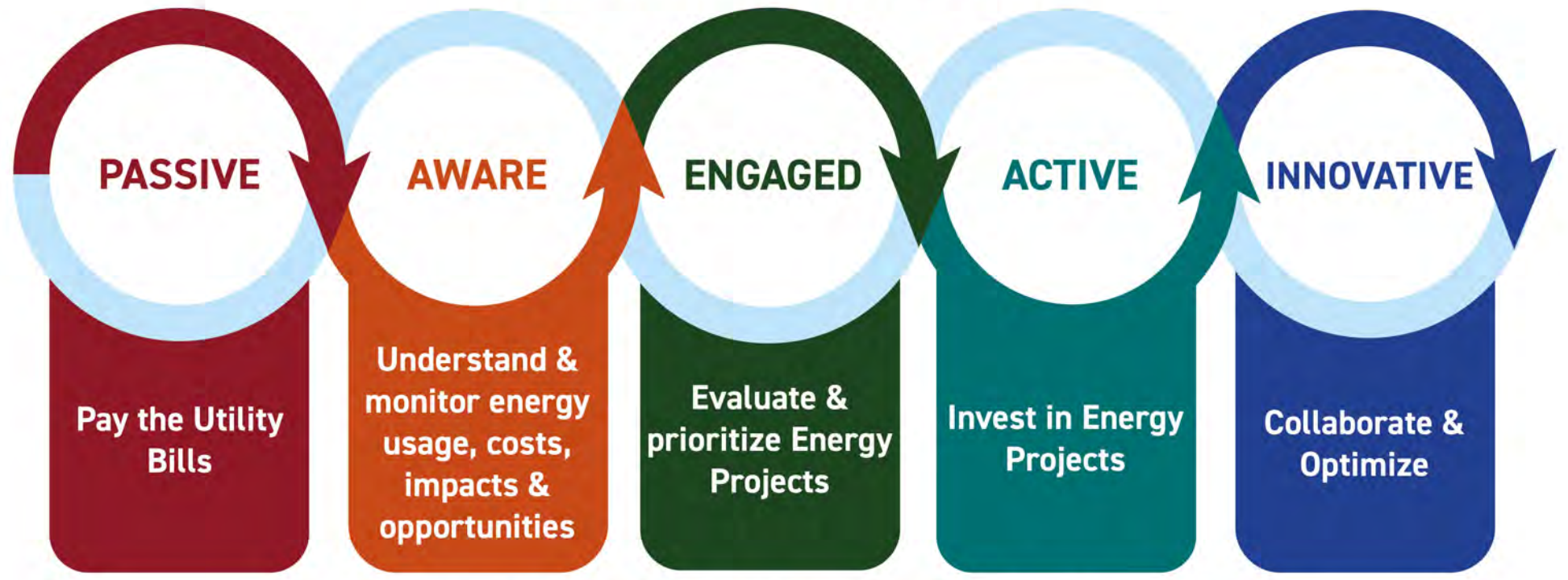




BUSINESS SERVICES

ENERGY DEVELOPMENT CAPACITY

Capacity Development Process



Source: Midwest Tribal Energy Resources Association (MTERA)





BUSINESS SERVICES

THE TRIBAL ENERGY DEVELOPMENT CAPACITY (TEDC) GRANT PROGRAM HAS FUNDED NEARLY 30 TUA PROJECTS IN FY 2015 - FY 2019. THE BELOW INFORMATION IS A CASE STUDY FROM A FY 2015 TEDC PROJECT.

TRIBAL UTILITY AUTHORITY FEASIBILITY WORK

ANALYZE ENERGY INFRASTRUCTURE

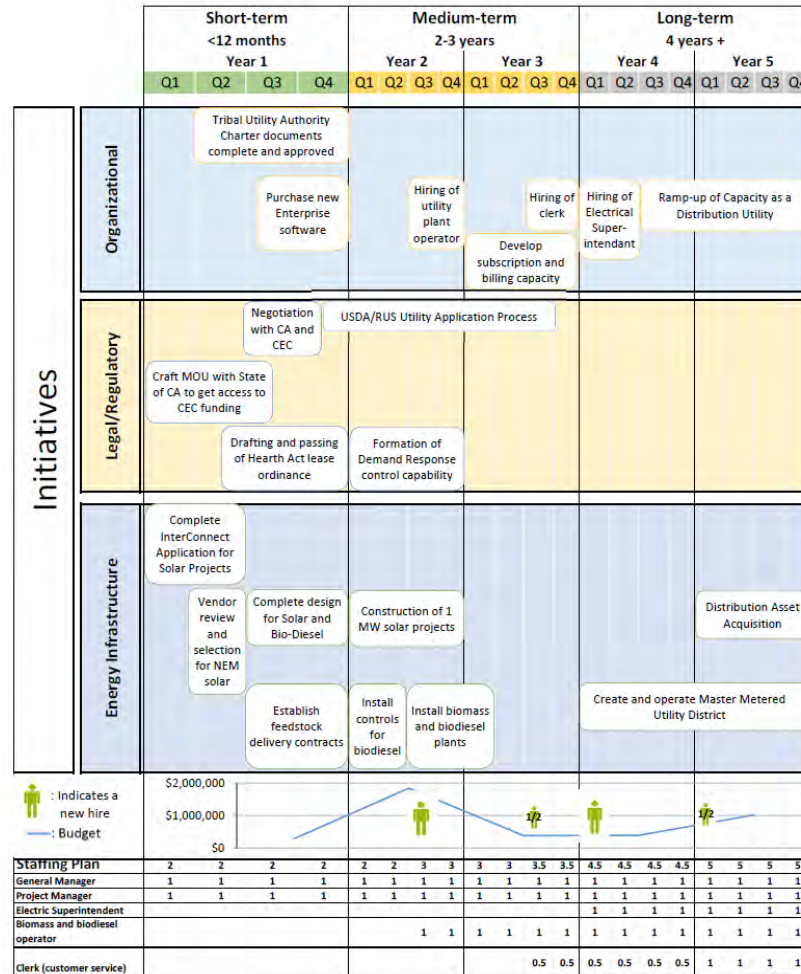
REVIEW LEGAL & REGULATORY ISSUES

ASSESS BUSINESS ENTITY OPTIONS

FINANCIAL ANALYSIS

Model Roadmap Deliverable for a TEDC Utility Feasibility Project

This is a living document, and should be updated quarterly.



Staffing Plan



DEMD Grants:

- ❖ No Cost Match
- ❖ Proposals due April 27

Energy and Mineral Development Program (EMDP)

Assess, evaluate and promote development of tribal energy and mineral resources

~\$6MM

Awarded Annually

*Energy and Mineral Development Program
(EMDP) Grant*

Pre-construction project development work for renewable energy, conventional energy, and mineral resources.

- Resource assessments
- Feasibility studies
- Engineering design
- And more

Pre-Development Studies are Essential for Informed Decisions

Produce documents that you can take to the bank



DEMD's model helps Tribe's Optimize Energy and Mineral Portfolios



Example 1. Fluid Mineral Business Development

Strategy: Take over 100% ownership of an oil field

- ❖ Tribes can generate significant income & redesign oilfield operations to drive world class environmental stewardship goals: NetZero and safe operations
- ❖ Estimate Tribes can realize 4x more money assuming operations vs. lease
- ❖ DEMD Assistance
 - Advising Tribes on transition
 - Evaluating portfolio of complimentary projects



Example 2. Solid Mineral Business Development

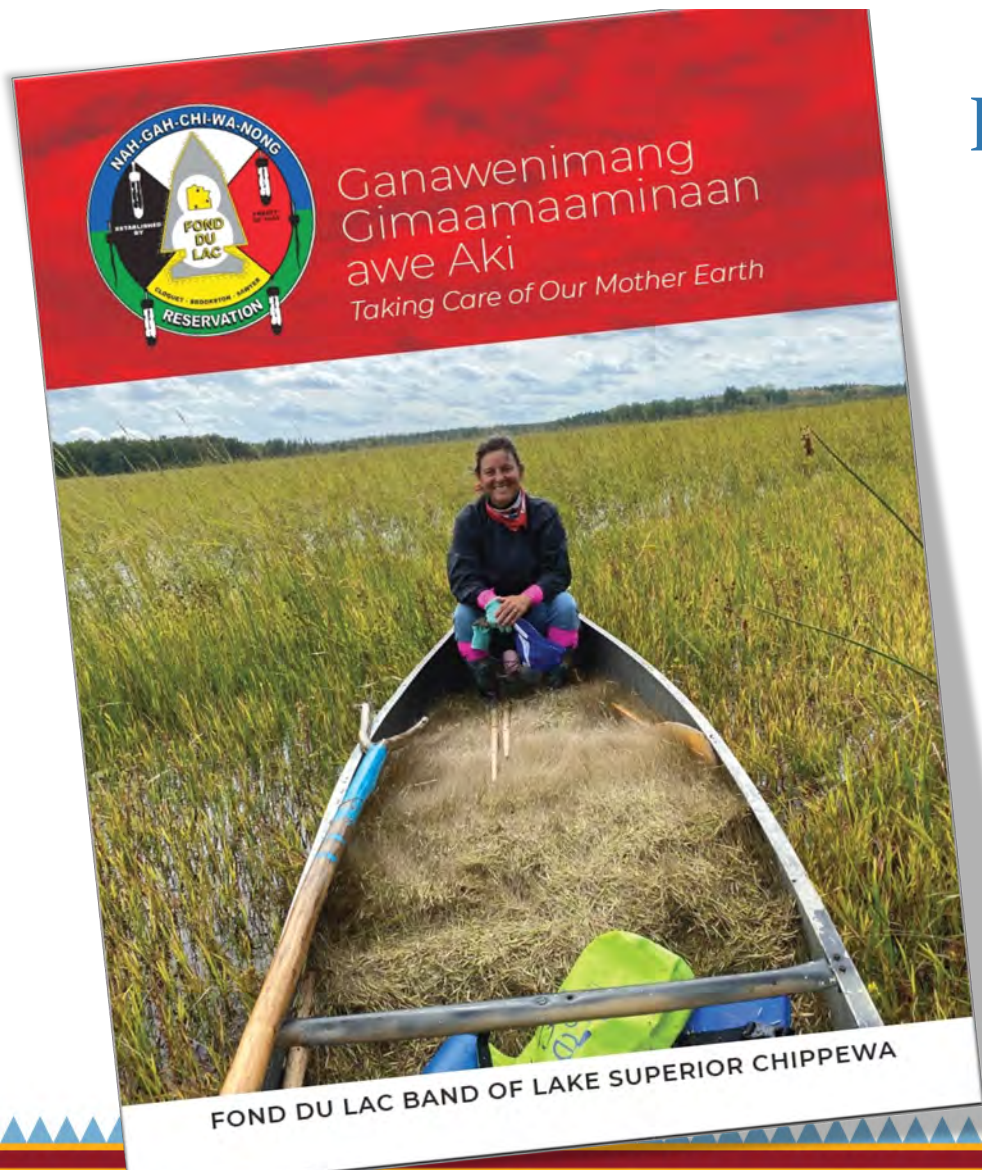
Strategy: 100% Tribal ownership of Sand and Gravel

- ❖ Tribes can generate significant income, good paying jobs, and competitively supply local and regional markets

- ❖ Estimate up to two-thirds cost reduction in rural locations

- ❖ DEMD Assistance
 - Advising on start-up of aggregate business
 - Evaluating portfolio of complimentary projects
 - EMDP grant to assess future long-term potential for additional reserves





Example 3. Fond du Lac Band

✦ Energy Feasibility Studies with DEMD

- Wind
- Pellet Manufacturing
- Waste to Energy
- Natural gas
- Solar
- Biomass heating
- Microgrids
- Tribal Utility

✦ Grants had both direct and indirect influences on FDL accomplishments.

- Over \$350,000 in annual savings from solar and biomass projects.
- 9 MW of Tribal energy assets developed.

Energy Accomplishments (Generation and Management)

❖ Black Bear Casino Resort
Solar Array

❖ Biomass Heating

❖ Tribal Utility

❖ Other FDL work

- Energy Benchmarking
- Propane Service
- Residential Energy



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DIVISION OF ENERGY AND MINERAL DEVELOPMENT

CONTACT

Jennifer Reimann

Branch Chief

Renewable and Distributed Generation

(720) 407-0669

jennifer.reimann@bia.gov

www.bia.gov/DEMD





Geotechnical Data Services Initiatives

Geospatial Data

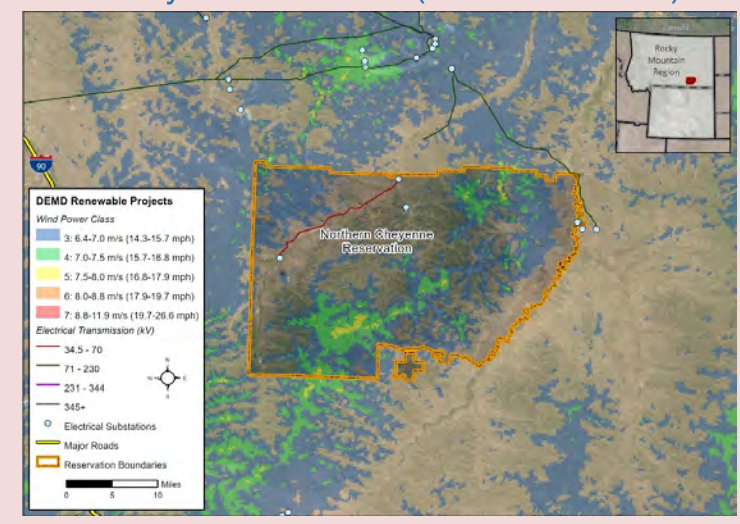
- ❖ Analyze energy and economic data in support of Grant and Technical Assistance projects.
- ❖ Process Tribal tract ownership, leases, communitization agreements, and energy infrastructure data from a variety of government agencies and industry sources.
- ❖ Ongoing research of available clean energy, oil and gas, and solid mineral datasets.

Geophysical Data

- ❖ DEMD manages over 1,600 seismic records in hard copy and digital format for multiple Indian reservations.
 - 10,658 miles of 2D data
 - 2,100 square miles of 3D data
- ❖ Seismic data is stored for and used by Tribes for internal analysis or to promote industry development.

Cartographic Design

- ❖ Generate cartographic products for Tribal energy, mineral, and economic projects.
- ❖ Sample commodity map depicting wind potential on the Northern Cheyenne Reservation. (Wind Data Source: NREL)





NIOGEMS Initiatives

Rights-of-Way Mapping (v4.2)

- ❖ Allows Tribal and Agency Staff to filter and visualize ROWs
- ❖ Tribes can leverage their unique position to advance energy projects

Solid Minerals Exploration (v4.2)

- ❖ Will incorporate soils data necessary for high level aggregate exploration (Roads and Infrastructure)

Hosting Tribal NIOGEMS

- ❖ Approved by ITIGB to identify solutions to host Tribal Users
- ❖ New solution will achieve completely free access for Tribal Users
- ❖ Increase data security for Tribes
- ❖ Increase access to Tribes



Energy Initiatives

Energy Transition

- ✦ Clean energy and heating projects
- ✦ Transportation
- ✦ Hydrogen

Climate/Energy Resiliency

- ✦ Microgrids
- ✦ Tribal Utility Authorities

Bioenergy – Wildfires

- ✦ Pellets - Address Fluctuating Propane and Fuel Oil Pricing
- ✦ Biomass from Wildfire Mitigation

Fluid Minerals

- ✦ Opportunity to take over leases
- ✦ Helium



Solid Mineral Initiatives

Coal

- ❖ Where does the market remain?
- ❖ Other Uses - Economic Development Options

Critical Minerals

- ❖ Essential to Clean Energy Manufacturing

Roads

- ❖ 83% of roads in Indian Country are inferior
- ❖ Use local material for tribal roads and for nearby highway projects



Business Team Advisory Initiatives

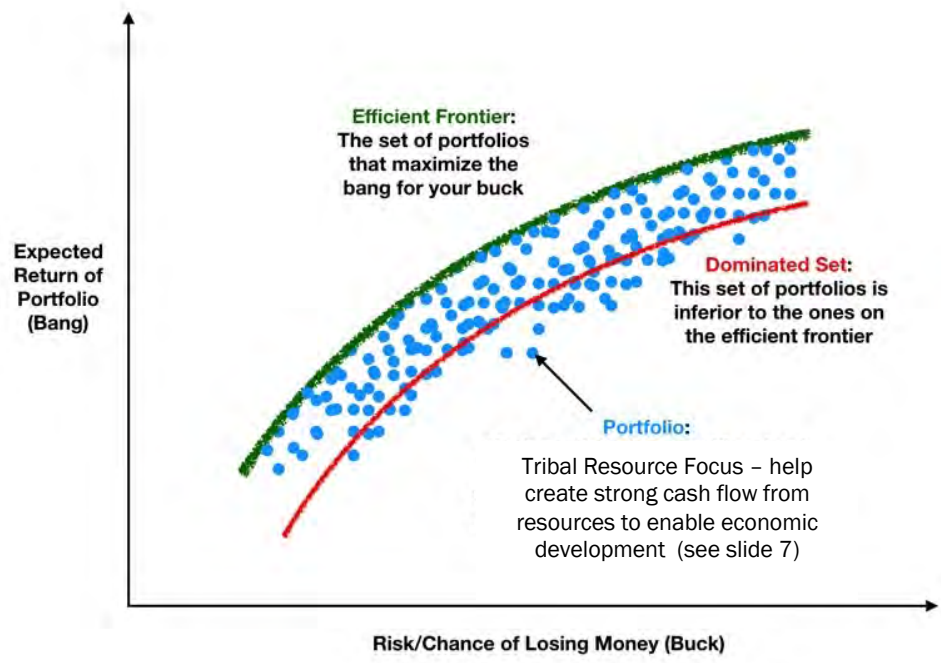
Strategic Planning

- ✦ **Tribe Specific & Regional Alignment**
 - Portfolio Potential Evaluation & Development
 - Economic Analysis
- ✦ **Interagency Alignment**
 - DEMD, DOE, EDA, FEMA, etc.

New Ventures

- ✦ **Business Planning**
- ✦ **Deal Structuring & Evaluation**
- ✦ **Financial Modeling**
- ✦ **Project Finance**
 - Access to Grants & Loan Guarantees

Tribal Portfolio Development



Steven Ostoja, Ph.D.

Director, USDA California Climate Hub



- Based at the Agricultural Research Services' Sustainable Agriculture Water Systems Research Unit
- Fellow at the John Muir Institute of the Environment at the University of California Davis in Davis.
- Research interests include applied natural resources management, human-environment interactions, and climate adaptation science. Published in over 50 peer-reviewed, government or technical publications and contributed to numerous popular media outlets.
- Ph.D., Utah State University; M.S. and B.S., California Polytechnic State University.
- Third generation Californian and resides in Sacramento.

Emile Elias, P.h.D.

Director, USDA Southwest Climate Hub



- Organization covers 5 states in the Southwest.
- Worked for more than three decades at the interface of water scarcity, water quality, agricultural production and natural resources with the goal of supporting resilient landscapes and communities.
- Leads a team engaged in research and science synthesis efforts, tool development to support informed decision-making, and stakeholder engagement.
- Research interests include land use and climate change impacts on hydrology, water quality and agricultural communities in the Southwestern United States.
- Ph.D., Hydrology, Auburn University; M.S., Watershed Science, Colorado State University

Current and future impacts of a changing climate in agriculture, forests and water resources of the Southwestern United States

Western Regional Partnership
Tribal Engagement Temporary Working Group
February 25, 2022
Dr. Emile Elias and Dr. Steve Ostoja

Overview

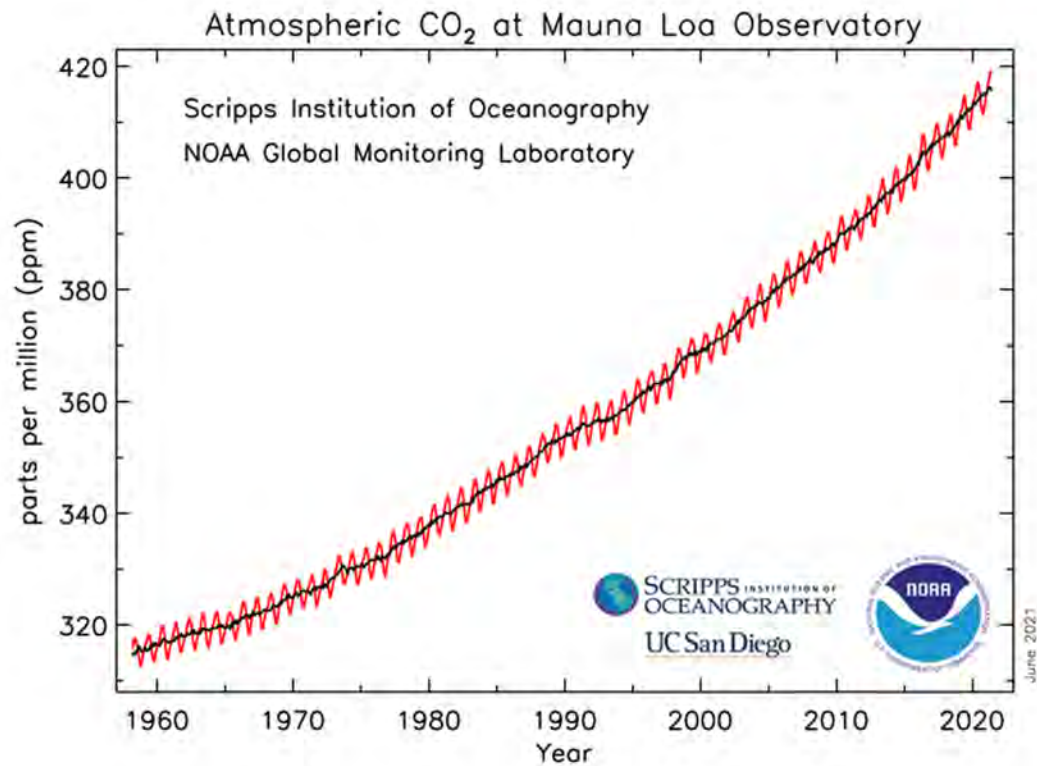
- USDA Climate Hubs
- Climate change impacts in the Southwestern U.S.
- Example efforts to build resilience
- Upcoming projects with indigenous communities

USDA Climate Hubs

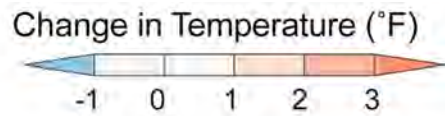
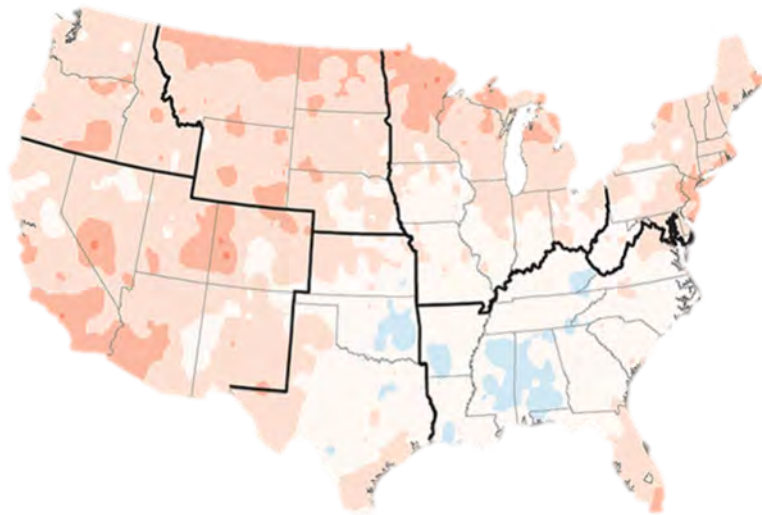
We **develop** and deliver science-based, region-specific **information** and **technologies** to enable climate-informed *decision-making*...



Global Change

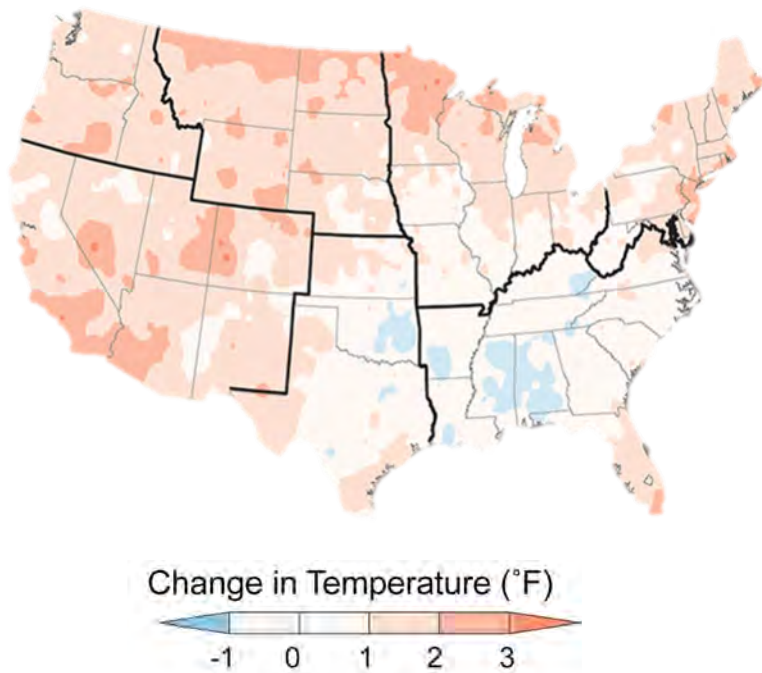


Increase in Annual Average Temperature

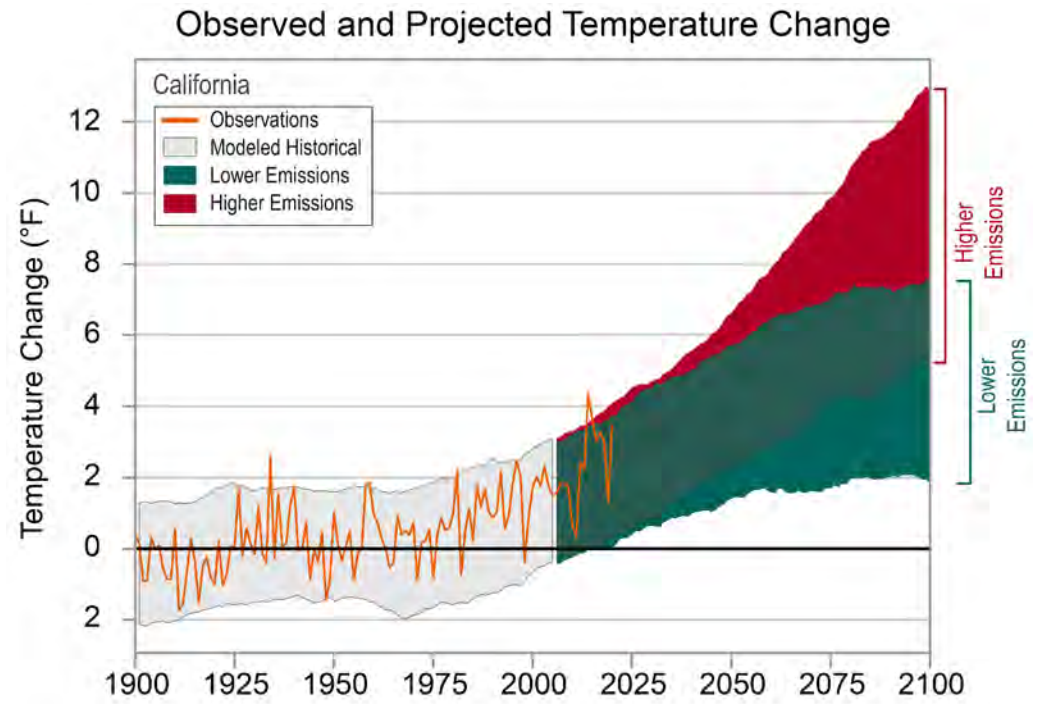


Source: 4th National Climate Assessment

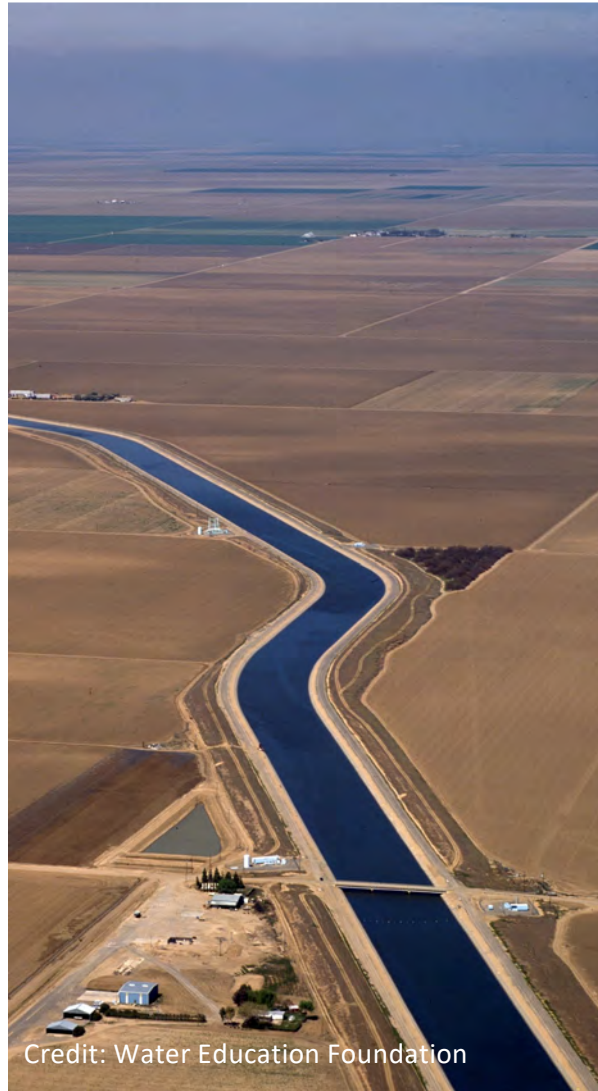
Hotter Summers and Warmer Winters



Source: 4th National Climate Assessment



Source: NOAA



Credit: Water Education Foundation



Credit: USDA NRCS

Snowpack – our Natural Reservoir is in Decline

1980-89

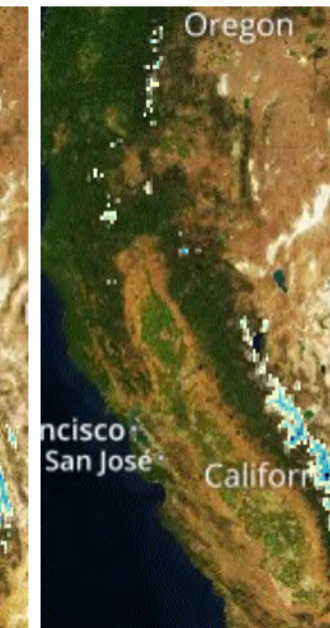
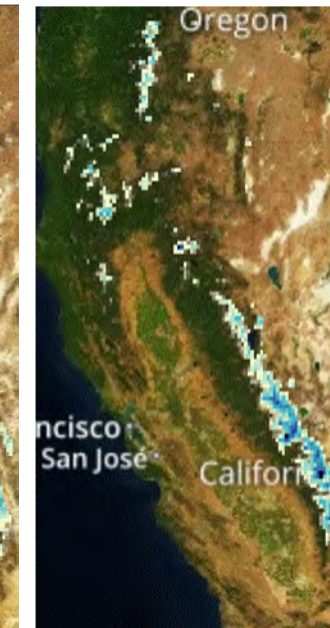
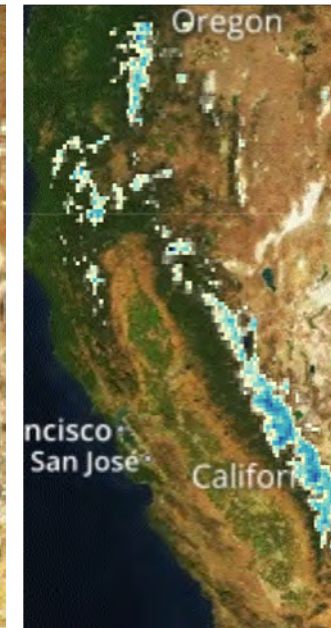
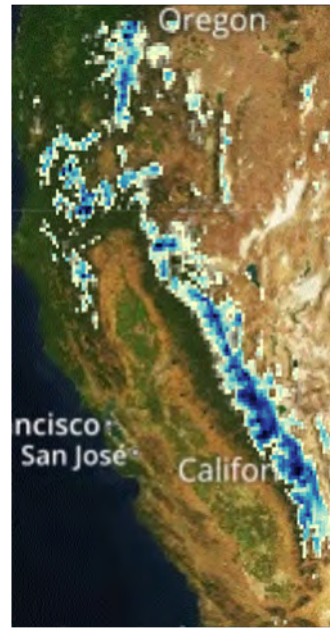
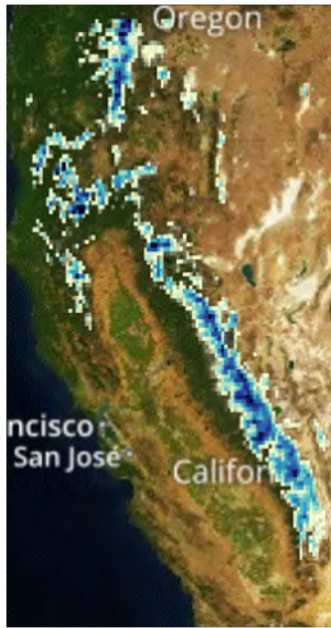
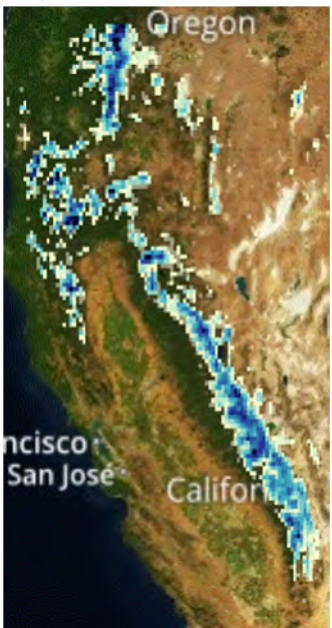
2010-19

2030-39

2050-59

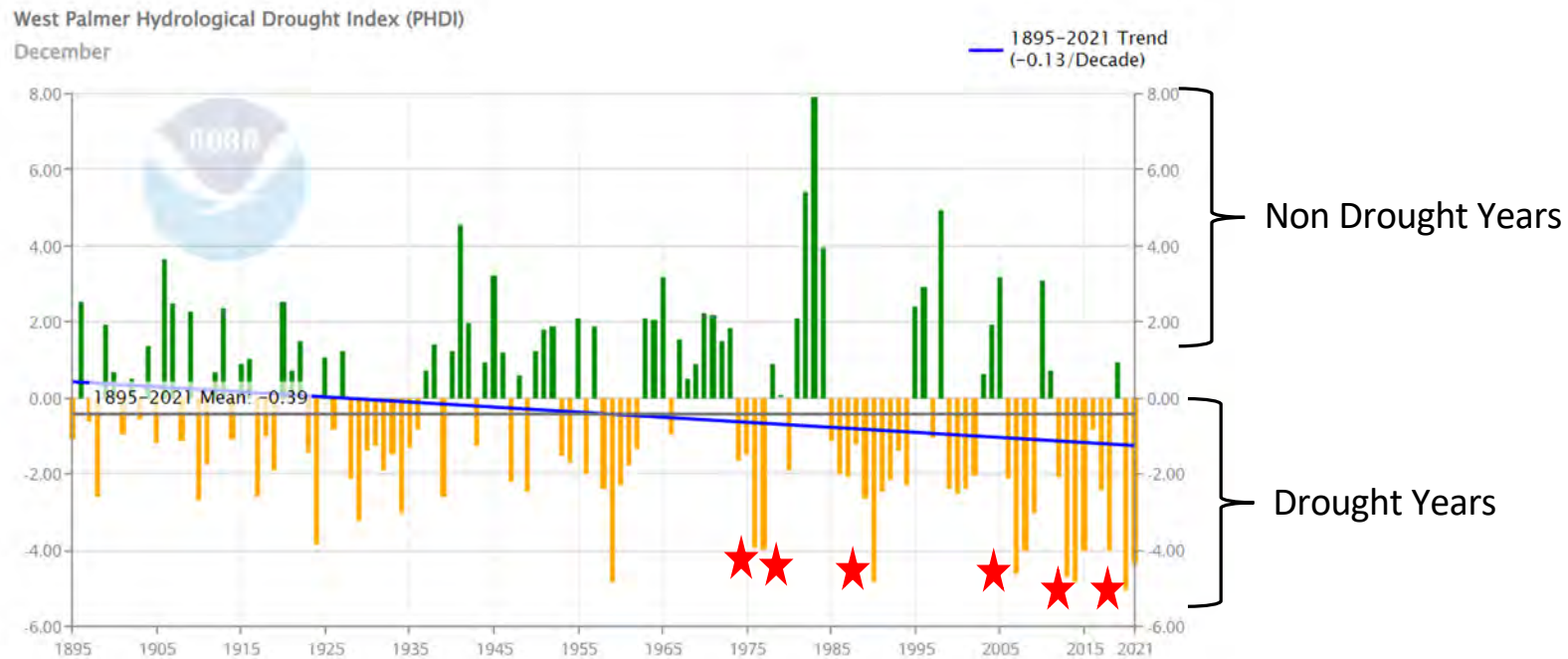
2070-79

2090-99



Source: Cal Adapt

Drought is Rule Rather than the Exception

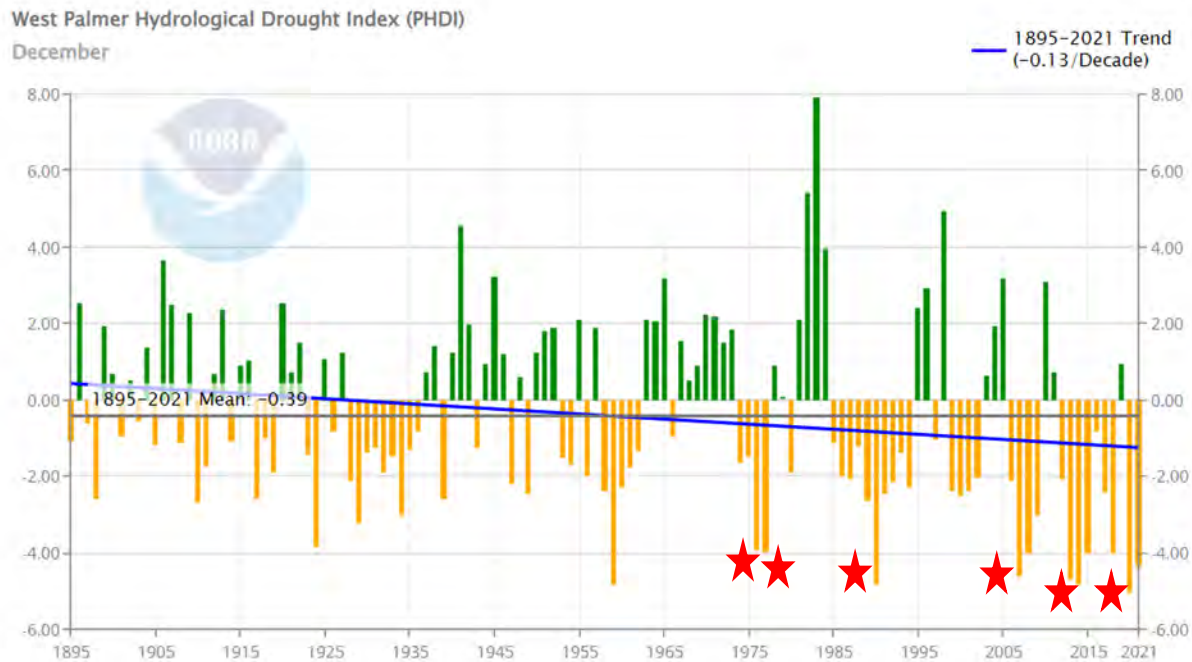


Source: NOAA

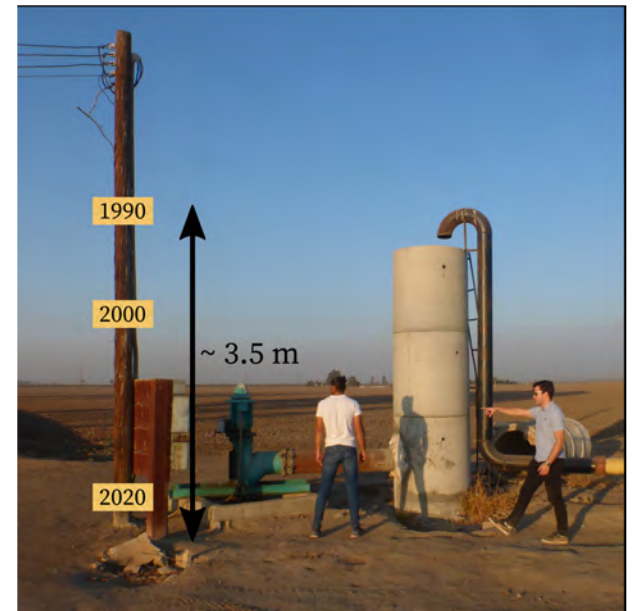
Drought Promotes Increase Pest Pressure and Fire Risk



Drought Promotes Greater Reliance on Groundwater

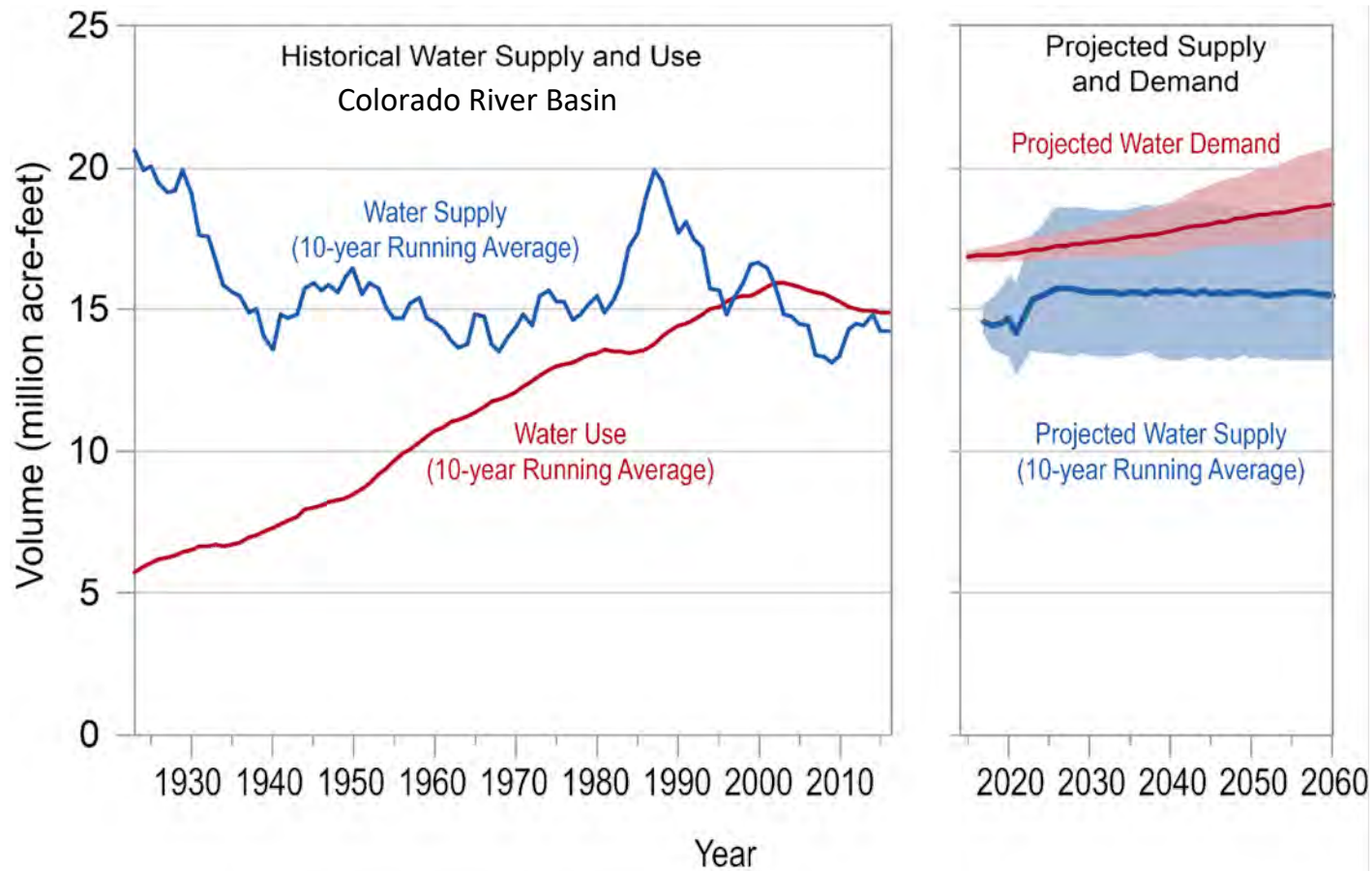


Source: NOAA



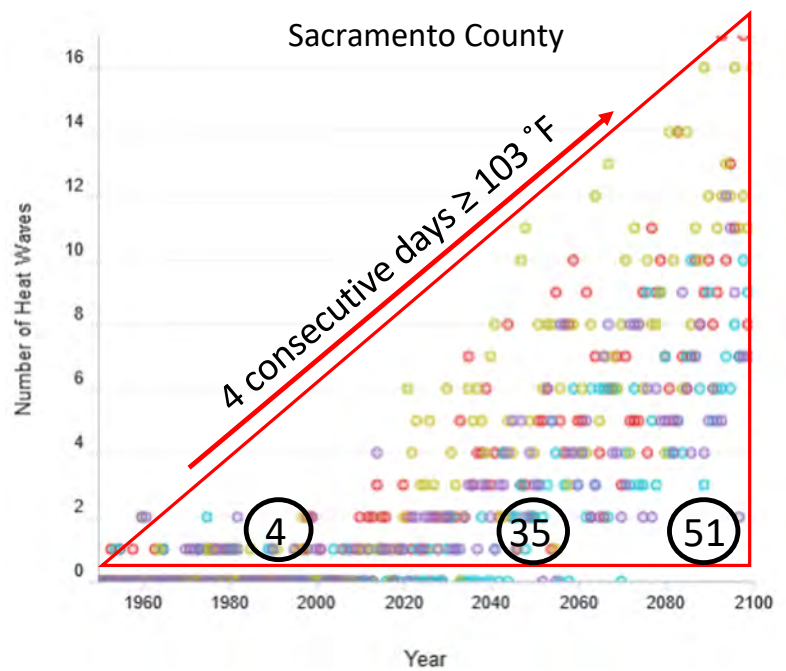
Credit: Stanford University

Mismatch Between Water Supply and Demand



Source: 4th National Climate Assessment

Heat Waves can Stress Agriculture



Source: Cal Adapt



Credit: T. H. Smith

Heat Waves can Stress Agriculture



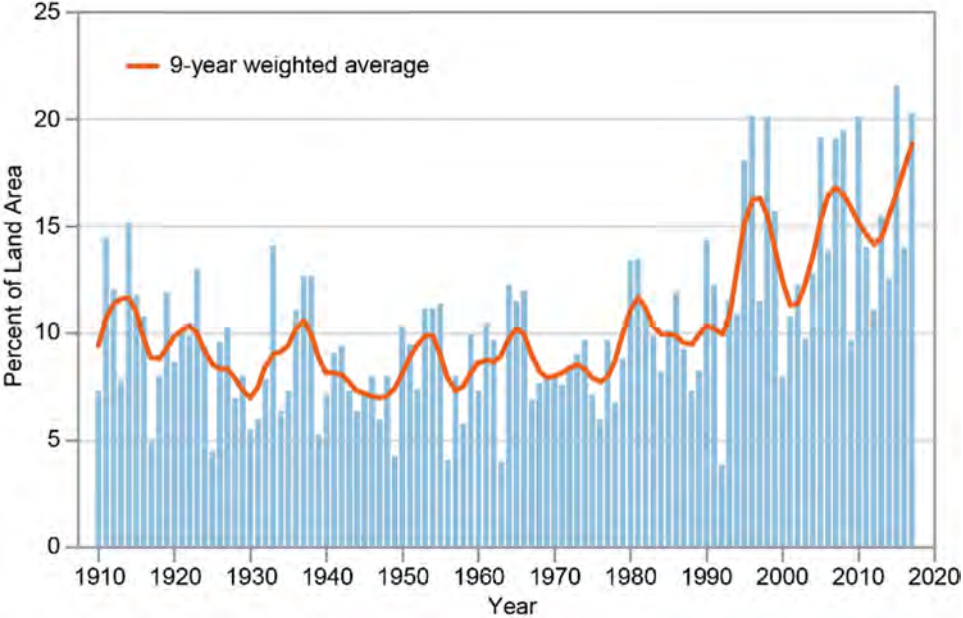
Source: Parker et al. 2020 Plant Science



Mister device lowers vineyard canopy temperatures

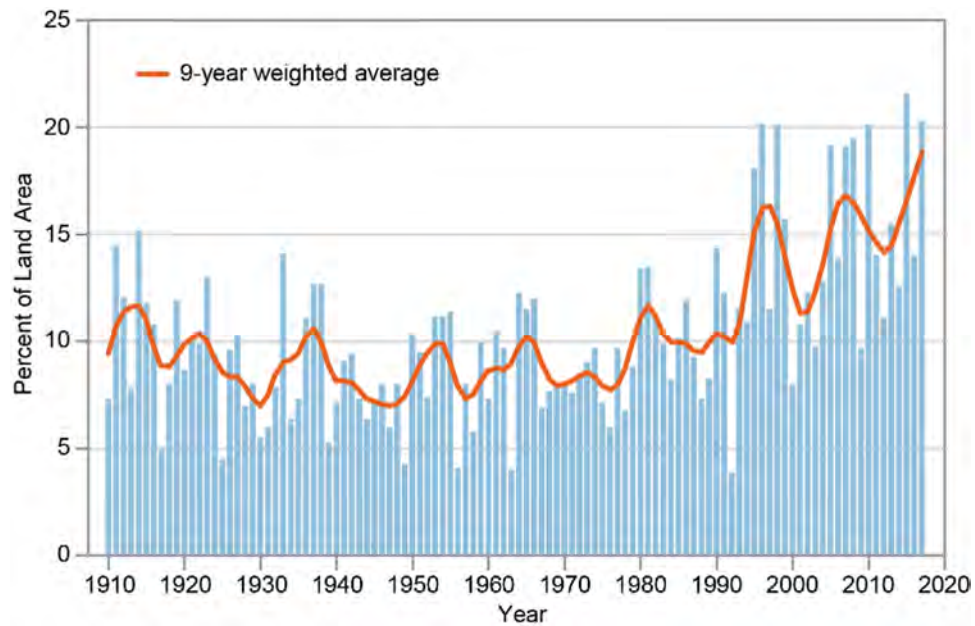
Credit: Washington State University

Extreme Precipitation Events are Increasing



Credit: Climate Toolbox

Extreme Precipitation has Negative Impacts



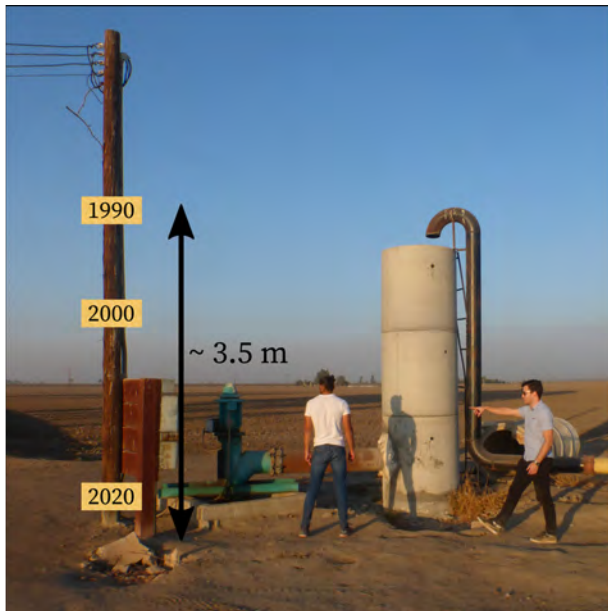
Credit: Climate Toolbox



Source: Bloomberg News

A Word About Extreme Events

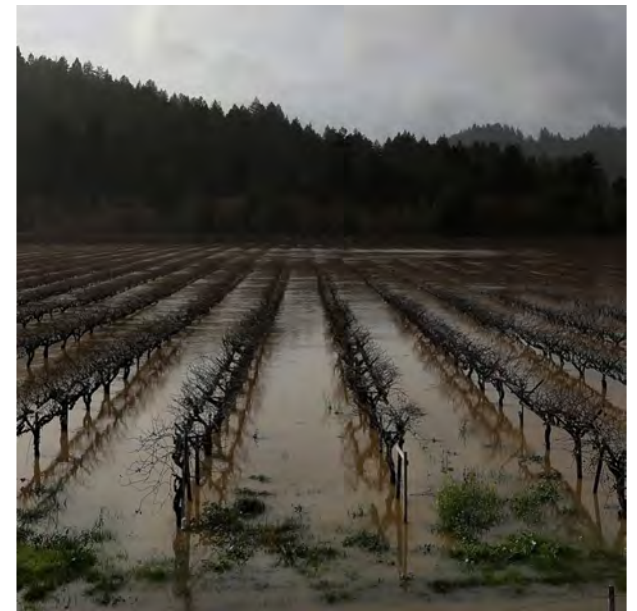
Severe Drought



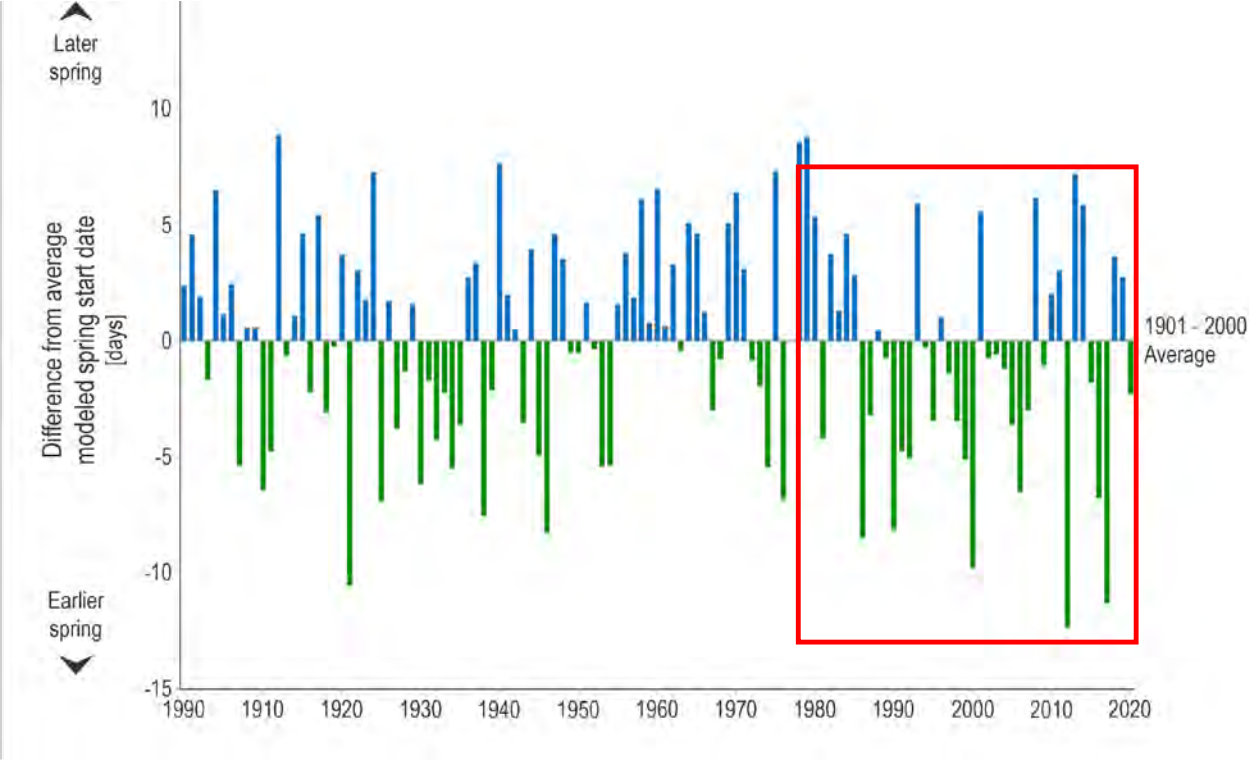
Extreme Heat



Extreme Precipitation

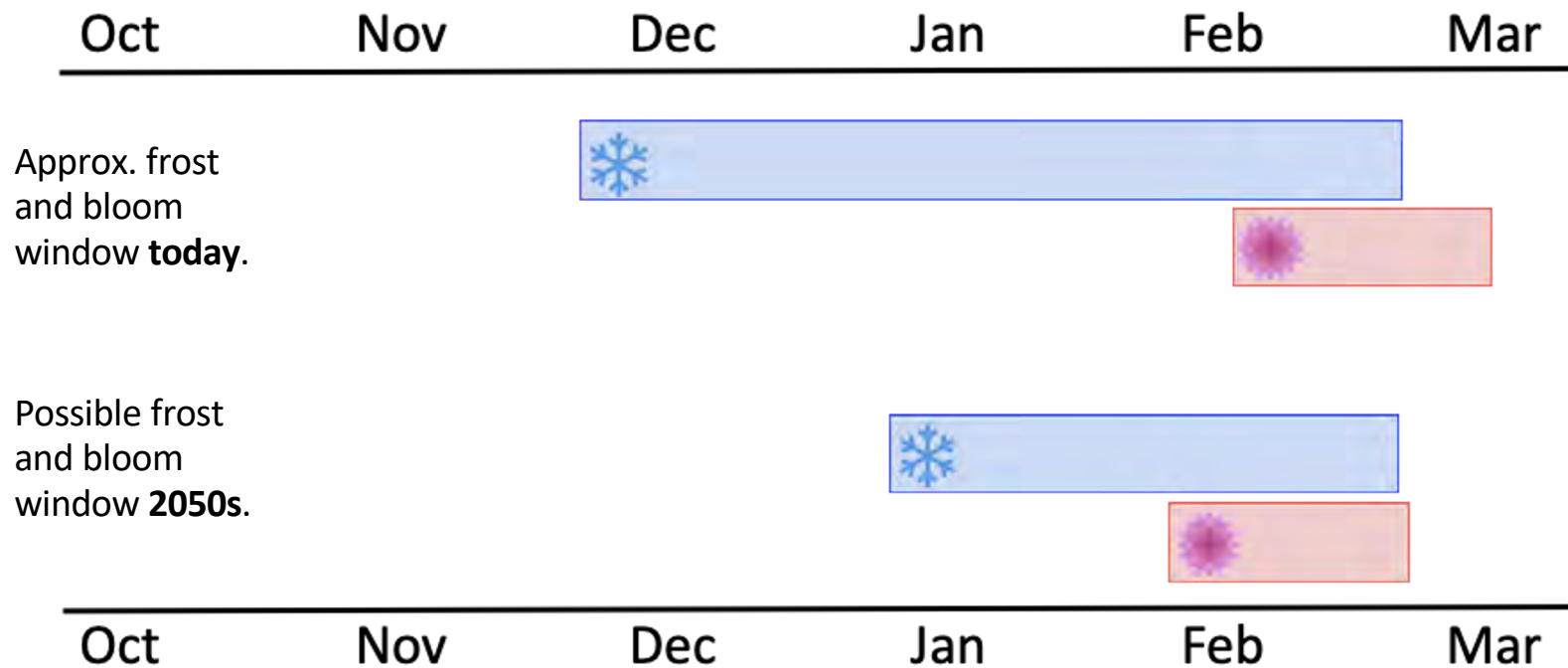


Spring is Starting Earlier Across the Country



Source: 4th National Climate Assessment

Frost Exposure and Spring Phenology

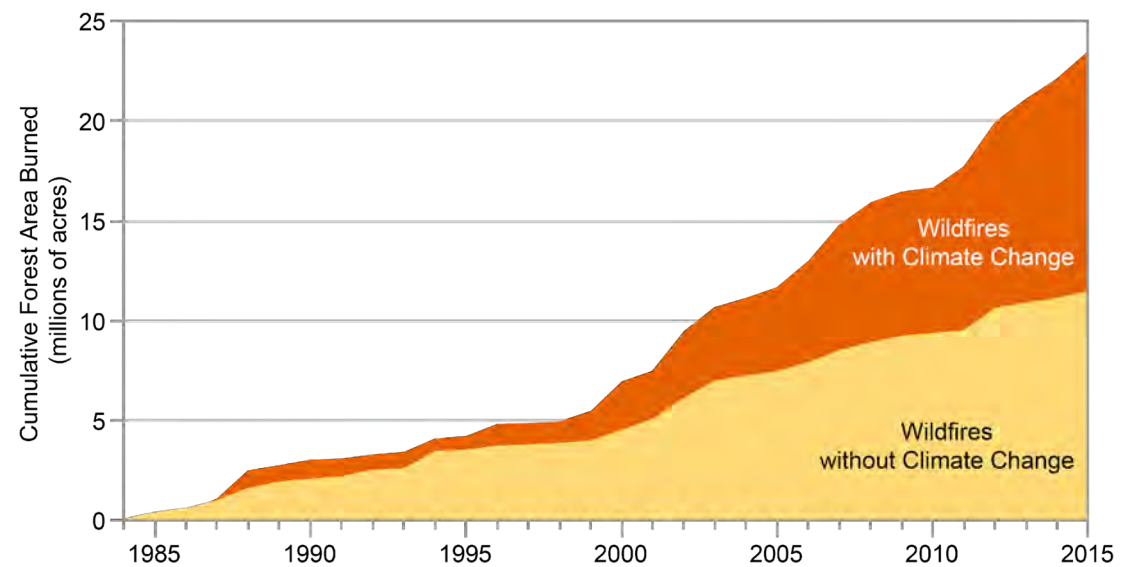


Parker, Pathak & Ostoja (2021)

Wildfire and Climate Change



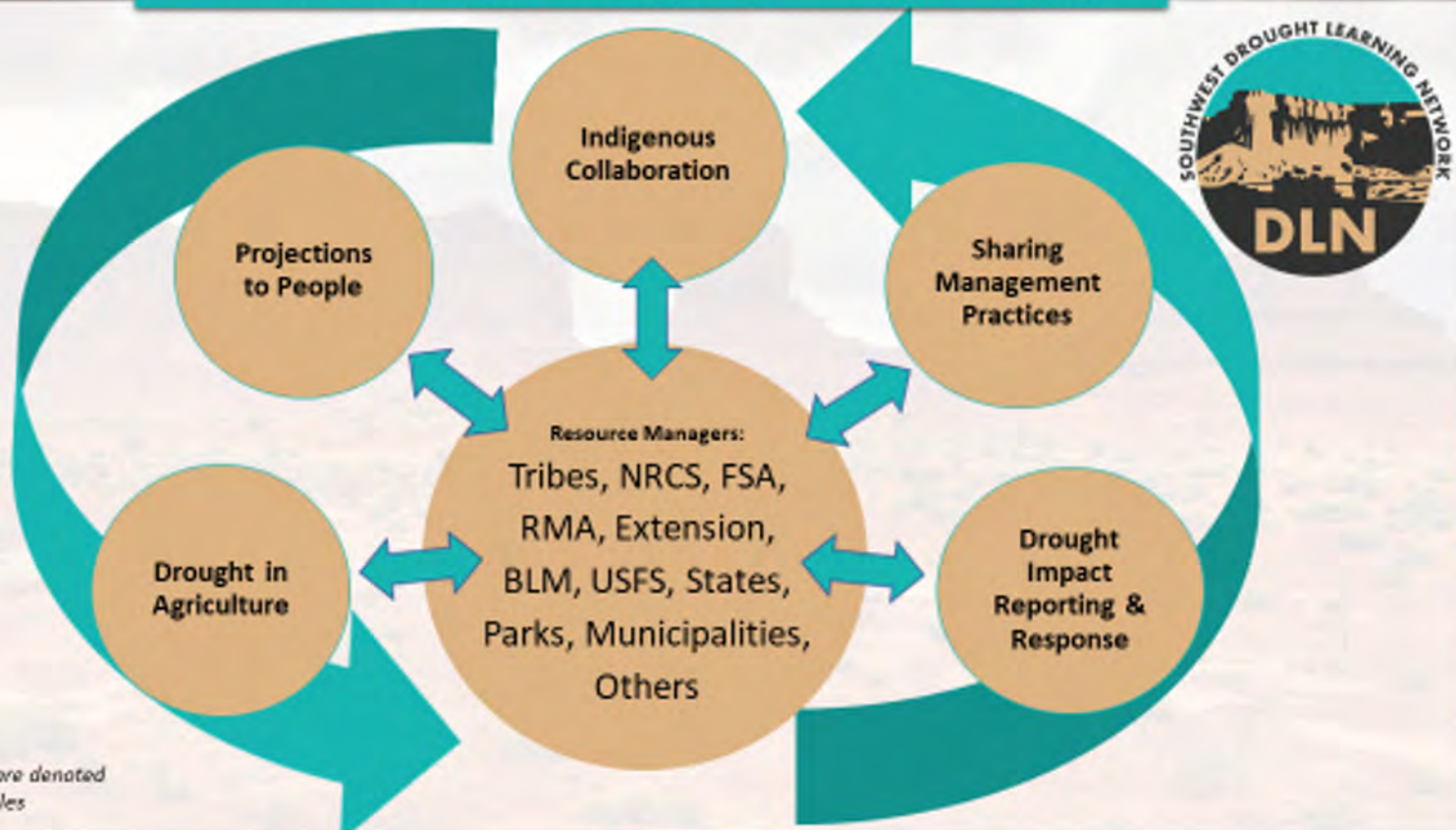
Climate Change has Amplified Wildfire Activity



Source: Abatzoglou and Williams 2016

**Adaptation will be
Required to Adjust to
a Changing World**

Climate service providers support peer-to-peer learning



*2021 DLN teams are denoted
in the outside circles*

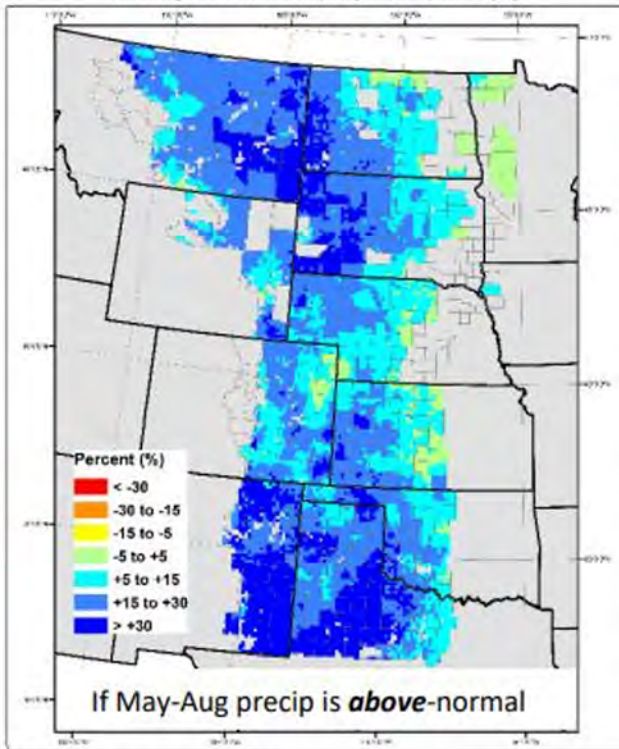
Great example of a farmer in CO using less water....

Feb 23 [Notified 109 people](#)

- Check out this article from The Colorado Sun.
- Soil health and regen ag are the next hurdles here at the Pueblo; my hope is a 'pilot' project or two as the arable lands are increased and/or farming interest is rekindled.
- That sounds like a great idea. Let me know if you need any assistance from me as you move forward. Happy to help with planning or whatever else you might need to move things along.
- Under NMDA's Healthy Soil Program, the Pueblo qualifies as an Eligible Entity -- meaning you all could apply directly to NMDA for a grant to implement a pilot project whose aim is to improve soil health on Pueblo lands. You could do conservation planning...implement bale grazing...plant a cover crop...apply compost...work with Pueblo land managers to help them improve the soil health on lands under their care...We'll open an 8-week grant-application period in mid-March; in the meantime, you can check out the webinar we hosted/recorded for Eligible Entities on our website: www.nmda.nmsu.edu/healthy-soil-program. Co-lead for NMDA's Healthy Soil Program

Grass-Cast

Percent Change in 2019 Predicted ANPP compared to 1981-2018 mean ANPP
Assuming Above Normal May-August Precipitation (%)

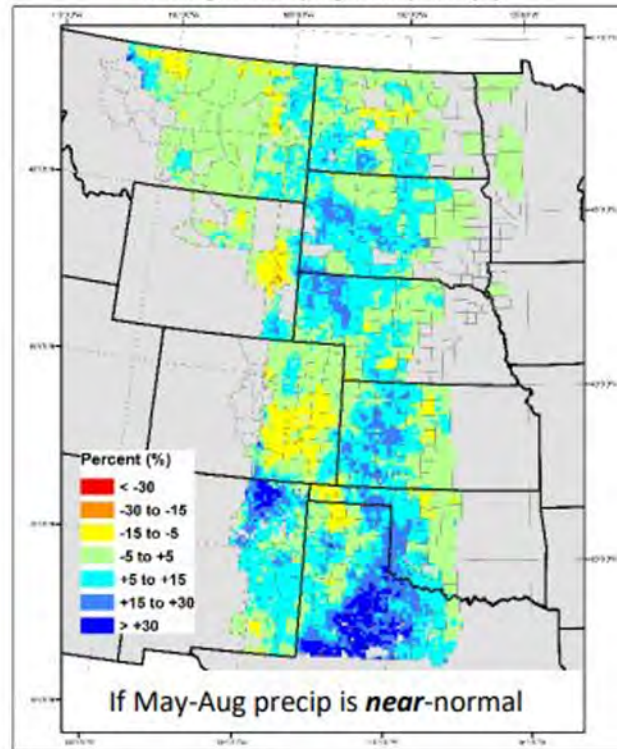


Forecast date: April 29, 2019



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NPS - National Park Service, DOI, 1011 G Street, SW
Washington, DC 20540

Percent Change in 2019 Predicted ANPP compared to 1981-2018 mean ANPP
Assuming Normal May-August Precipitation (%)

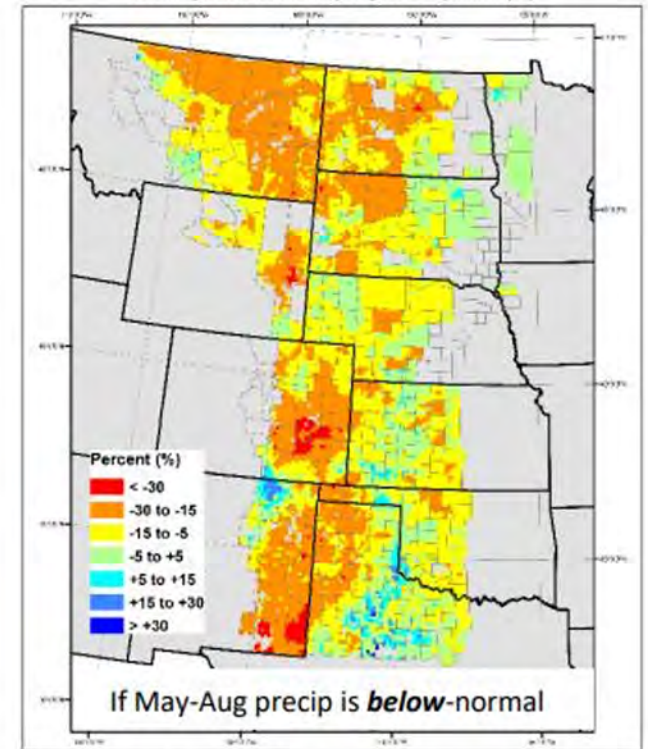


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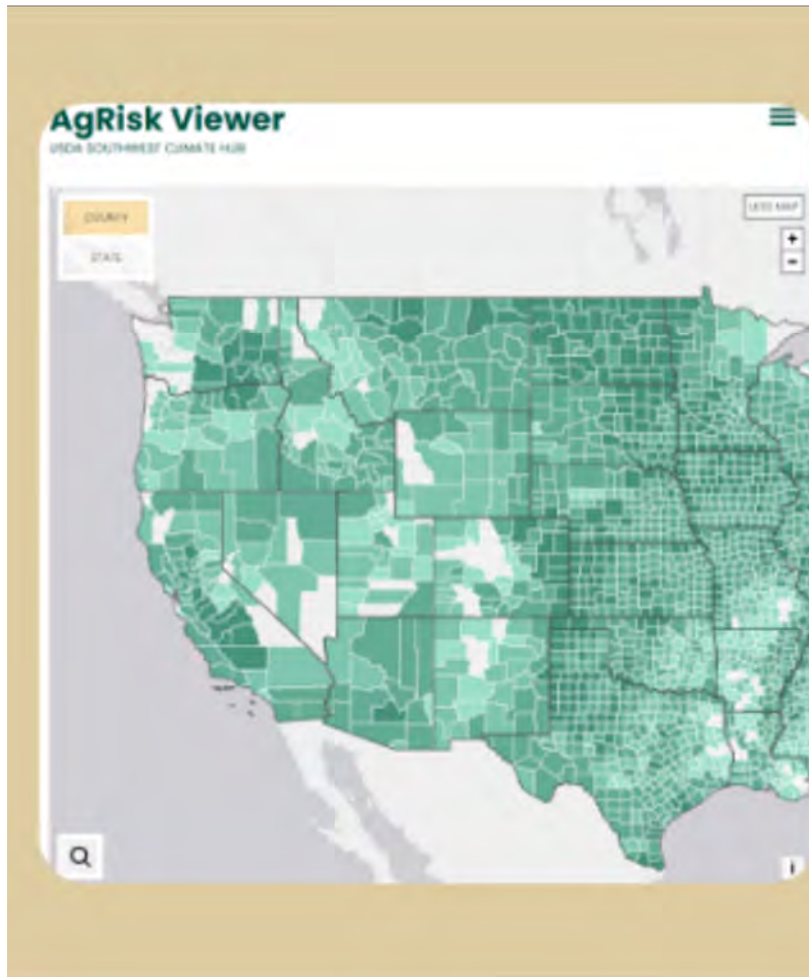
Percent Change in 2019 Predicted ANPP compared to 1981-2018 mean ANPP
Assuming Below Normal May-August Precipitation (%)



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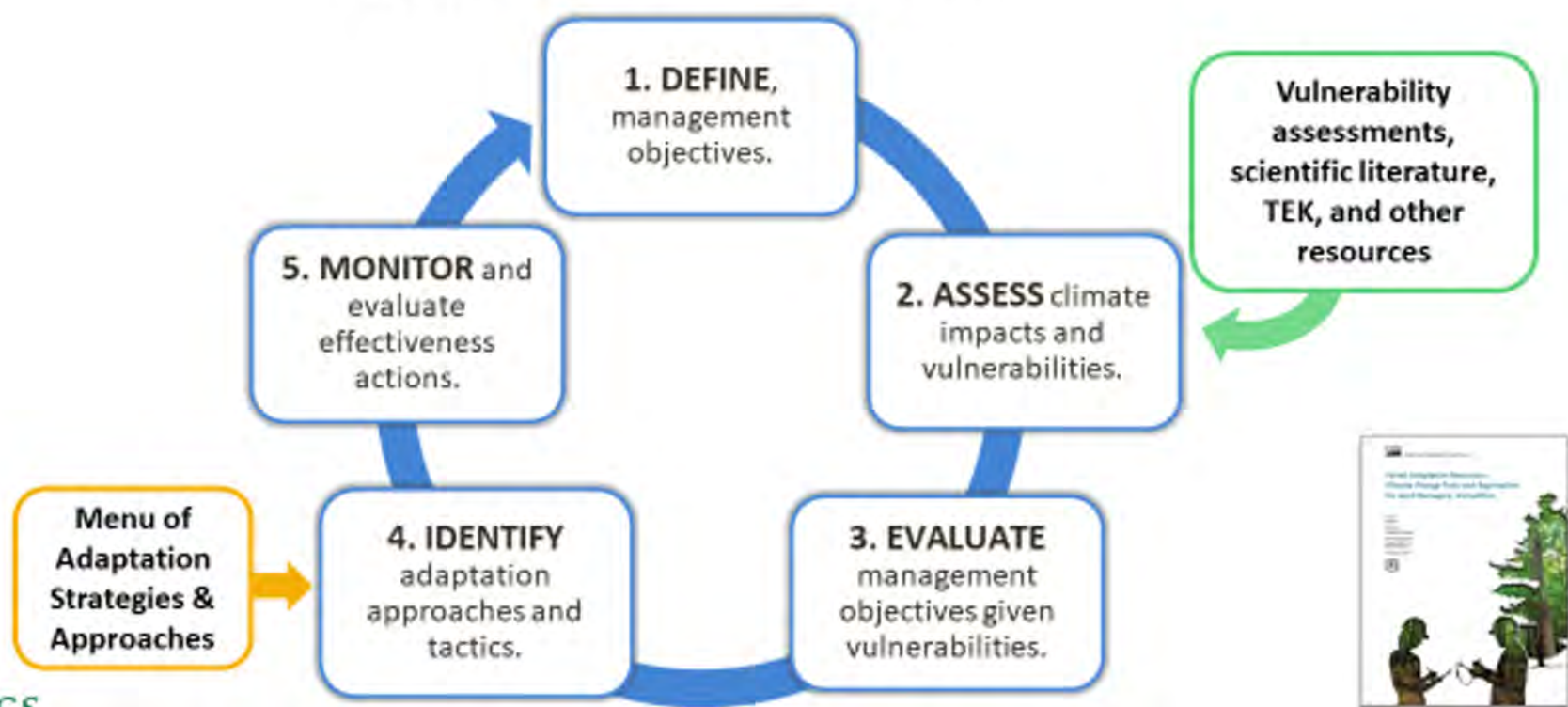
The AgRisk Viewer **empowers producers** and **decision makers** to assess their climate risks by commodity type at the county scale over the last 30 years using data from USDA's Risk Management Agency.

@USDAClimateHubs
#AdaptationInAction

<https://www.climatehubs.usda.gov/hubs/southwest/tools/agrisk-viewer>

Adaptation Workbook: Decision-support tool

Provides “**structured flexibility**”



www.nrs.fs.fed.us/pubs/52760

Water Scarcity and Solutions

New collaborative project

Stay tuned...

Drought-Smart Indigenous Ag Planning in NM

- Challenge: Indigenous farmers and ranchers in the U.S. Southwest face increasing climate stresses such as longer, more intense droughts, rising temperatures, and shifting growing seasons. Pueblos, Tribes, and individual farmers and ranchers are challenged with building capacity to undertake soil health, grazing, and food security projects to increase resilience and implement climate-smart agricultural systems.
- Project: Pilot partnership to **enhance agricultural drought and climate adaptation for Indigenous farmers and ranchers in the Middle Rio Grande Pueblos region.**
- Partners: The Santa Ana Pueblo located in New Mexico, the Intertribal Agriculture Council (IAC), the Southwestern Indian Polytechnic Institute (SIPI), National Drought Mitigation Center, the USDA Southwest Climate Hub, and USGS Southwest Climate Adaptation Science Center
- Funded through an NRCS "Conservation Outreach: Equity through Cooperative Agreement"



Drought-Smart Indigenous Ag Planning in NM

- Expected benefits and outcomes:
 - Improved understanding of traditional drought knowledge and technical training needs that can be used to guide future NRCS programs and outreach efforts
 - Increased capacity within Middle Rio Grande Pueblo agencies and organizations to work with farmers, ranchers, and natural resource departments to successfully apply for and receive USDA NRCS funding
 - A trained cohort of college students that can serve as future drought and conservation leaders
 - Bolstered collaborations for advancing climate-smart Indigenous agriculture throughout the region
- Start date: Spring 2022



Climate-Smart Commodities

Proposals must provide plans to:

- Pilot implementation of climate-smart agriculture and/or forestry practices on a large-scale, including meaningful involvement of small and/or historically underserved producers;
- Quantify, monitor, report and verify climate results; and
- Develop markets and promote climate-smart commodities generated as a result of project activities
- Contact: climate-smart-commodities@usda.gov
- <https://www.usda.gov/climate-solutions/climate-smart-commodities>

A graphic for a USDA press release. At the top left is the USDA logo. At the top right is the text "OFFICE OF COMMUNICATIONS" and "PRESS@USDA.GOV". The main image shows a farm scene with a red barn, a blue silo, and a white house in the background, with a herd of cows in a green field in the foreground. A white banner across the middle of the image reads "U.S. DEPARTMENT of AGRICULTURE". Below the image is a blue headline: "USDA to Invest \$1 Billion in Climate Smart Commodities, Expanding Markets, Strengthening Rural America". Underneath the headline is a sub-headline in italics: "Funding Opportunity Opens to Pilot New Revenue Streams for America's Climate-Smart Farmers, Ranchers and Forest Landowners". The bottom section contains the main text of the press release, starting with "JEFFERSON CITY, Mo., Feb. 7, 2022 – Agriculture Secretary Tom Vilsack announced today at Lincoln University that the U.S. Department of Agriculture is delivering on its promise to expand markets by investing \$1 billion in partnerships to support America's climate-smart farmers, ranchers and forest landowners. The new [Partnerships for Climate-Smart Commodities](#) opportunity will finance pilot projects that create market opportunities for U.S. agricultural and forestry products that use climate-smart practices and include innovative, cost-effective ways to measure and verify greenhouse gas benefits. USDA is now accepting project applications for fiscal year 2022."

Thank you

Contact:

Emile Elias

emile.elias@usda.gov

Steven Ostoja

steven.ostoja@usda.gov



WRP Strategic Priority and supporting deep-dives

WRP Strategic Priority

Building Resilience in the West for America's Defense, Energy, Environment and Infrastructure through Enhanced Collaboration among Federal, State and Tribal Entities

- **Explore** tools and resources needed to build resilience to **support** the diverse missions of Federal, State and Tribal entities in the WRP Region

WRP Deep-Dives

Committee	Deep-Dive
Energy	<ul style="list-style-type: none">• Resilient Energy Infrastructure
Military Readiness, Homeland Security, Disaster Preparedness and Aviation	<ul style="list-style-type: none">• Resiliency of Airspace in the WRP Region• Disaster Mitigation
Natural Resources	<ul style="list-style-type: none">• Water Security

Timing for WRP Building Resilience Deep-Dive Efforts

Timing	Building Resilience
now	<ul style="list-style-type: none">WRP Deep-Dive Calls and WebinarsDrafting report
March 24 th WRP SC call	Draft WRP Report presented; input on this draft requested by April 8 th .
May 2022 WRP SC Meeting	<ul style="list-style-type: none">Discuss Report and next steps.Discuss WRP PM agenda and timingDiscuss WRP TETWG Recommendations
TBD	WRP Principals' Meeting

WRP TETWG 2022
Planning items and
discussion of next steps

Action Items: Seeking your input please

- Please sign up for a WRP account – wrpinfo.org
- Please:
 - Provide input on the Tribal Leadership excel document
 - Provide interest in being part of the TETWG Outreach Subcommittee
 - Provide any additional resources like a study/funding for the good of the team
 - Interest in being part of a WRP deep-dive
 - Invite/Encourage other Tribal members/liaisons to be part of TETWG
 - Input on future agenda topics

Seeking recommendations of Committee Co-Chairs for the new full committee: Please email Amy with your input

Previously, WRP had a **Tribal Relations Committee**; Committee Co-Chairs included:

- Arthur Allison, Cabinet Secretary, New Mexico Indian Affairs Department
- Clayton Honyumptewa, Director, Department of Natural Resources, The Hopi Tribe
- Alvin Moyle, Chairman, Fallon Paiute Shoshone Tribe
- Connie Reitman, Executive Director, Inter-Tribal Council of CA, Inc.

WRP TETWG Outreach Subcommittee Members

* Seeking input on additional members; and timing

<u>Name</u>	<u>Title</u>	<u>Organization</u>	<u>Phone</u>	<u>Email</u>	<u>Geographic area of interest to assist with WRP Tribal engagement</u>
Kathryn Becker	Assistant General Counsel Tribal Liaison	NM Environment Dept.	505-827-2054	kathryn.becker@state.nm.us	New Mexico
John Demers	Head, NAVAIR Range Sustainability	Naval Air Warfare Center Weapons Division, Point Mugu, CA	805.989.7947 Mobile: 805.223.0186	john.a.demers@navy.mil	California
Kagat McQuillen	Northern California American Indian Liaison	NRCS California, Office of the State Conservationist Tribal Assistance	Desk: (530) 737-5225 Office: (530) 527-2667	Kagat.McQuillen@usda.gov	Northern California
Christopher Poehlman	Regional Tribal Liaison	FEMA Region 9	510-725-7958	Christopher.Poehlmann@fema.dhs.gov	AZ, CA, NV
Kathy Rall	Manager, Water Resources	Southern Ute Tribe	9705632931	krall@southernute-nsn.gov	CO
Frank Ramirez	National Director	National American Indian Veterans Inc.	916.224.8049	frankramirez101@hotmail.com	California
James Toledo	Program Manager	Utah Division of Indian Affairs	801-715-6702	jtoledo@utah.gov	Utah
Chappy Jose Villegas, Sr.	SW-I-WEMC, Treasurer	Texas Band of Yaqui Indians	505-470-7046	caselda2010@hotmail.com	New Mexico

TETWG Agencies/Topics Briefed

- NASA Tribal-related efforts
- NRCS Tribal Efforts/Funding
- Native American Fish & Wildlife Society
- CA Energy Commission Tribal Grants Program
- Strengthening collaboration and cooperation between USACE and native American Tribes for water resource management
- Broadband Presentation by USDA
- Colorado River Basin Ten Tribes Partnership Tribal Water Study by Bureau of Reclamation
- Update on EPA's Office of Water: National Tribal Water Program
- Bureau of Reclamation Native American Affairs Program Overview
- Cybersecurity and Infrastructure Security Agency
- Overview and discussion of Federal Permitting Infrastructure Steering Council (FPISC) tribal collaboration and conflict resolution for large, complex infrastructure projects
- 404 Regulatory Program by Mark Gilfillan, Project Manager/Tribal Liaison, USACE Tribal Technical Center of Expertise (TNTCX)
- The Nature Conservancy: Western climate and clean energy pathways study
- NTIA Broadband Infrastructure Grant Program
- Proactive Wildfire Management Approaches by WIFIRE Lab at the San Diego Supercomputer Center, UCSD
- Indigenous Considerations in Project Development and Permitting Consultation, Treaty Rights
- Tribal-DHS Homeland Security Summit Update
- UAS Update by Cherokee Nation Company supporting NOAA
- 2.5 GHz Rural Tribal Window
- Federal Highway Administration Tribal Office
- Update by DoD Senior Advisor
- BIA, USFS, and BLM Presentation on Fires Impacting Watersheds and Post Wildfire Recovery Program
- Rural Energy Savings Program Update by USDA
- From land to space: Understanding water on the Navajo Nation
- Overview of the Disaster Relief Challenge
- Overview of the Department of Transportation's Tribal Transportation Self Governance Program
- Strengthening USACE Collaboration With Tribal Nations
- Affiliated Tribes of Northwest Indians
- Overview of mission and efforts of the Navajo Tribal Utility Authority (NTUA)
- Arlando Teller, Deputy Assistant Secretary for Tribal Affairs USDOT
- Tribal Broadband Infrastructure Program
- Tribal Consultation
- TNTCX Ecosystem Restoration Program: Integrating Indigenous and Traditional Ecological Knowledge into USACE Water Resources Projects on a Peer to Peer basis
- California Broadband Update Program, Rural Utilities Service, Rural Development USDA
- Brief Overview of Federal Indian Reserved Water Rights
- Tribal Energy and Climate Change Resiliency – California Energy Commission
- US Senate Committee on Indian Affairs Efforts
- Overview of the Broadband effort on the Navajo Nation

**Confirm
Next call
and Action
Items**

March 25:	Infrastructure Law
April 29	USGS Water Data for the Nation: Modernizing Access to Water Data by Dr. Emily Read, Chief of Web Communications for the United States Geological Survey Water Resources Mission
June 24	Energy focused topics?
July 29	Disaster focused topics?
August 26	

- Note: Calls are held from 10 am to 11:30 am Pacific

Around the Phone

