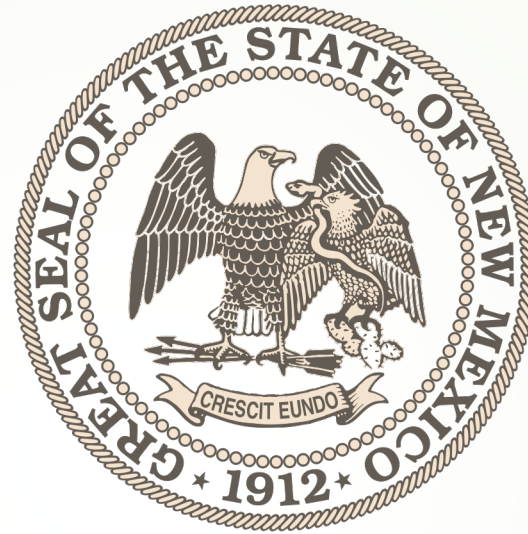


# STATE PURCHASING DIVISION



NEW MEXICO  
GENERAL SERVICES DEPARTMENT

MARK HAYDEN

Director, CPO, State Purchasing Agent, J.D.

## Questions:

1. What are the State's most important sustainability / climate actions during the past year?
2. What has State Purchasing done to promote coordination with its academic partners?

# STATE PURCHASING / GSD SUSTAINABLE INITIATIVES

- WORK FROM HOME  
In the last week of March 2020, General Services Department pivoted to allow all Divisions including State Purchasing Division (SPD) to work from home, saving thousands of commuting trips to the office.
- VIDEO CONFERENCE BID OPENINGS & VENDOR MEETINGS  
State Purchasing's bid openings and vendor procurement meetings are now conducted by video only saving thousands of commuting trips to our Santa Fe office.
- PAPERLESS FILES  
Successfully moved from paper submission of bids and proposals to 100% electronic through SPD's webpage.
- E-SIGNATURE LAUNCH  
SPD/GSD was the first agency to implement DocuSign for electronic signatures, greatly reducing the handoff time to process paper contracts for execution. Once the process was perfected, electronic signatures were rolled out to all executive branch state agencies.

# STATE PURCHASING / GSD SUSTAINABLE INITIATIVES

## ➤ SUSTAINABLE PROCUREMENTS

SPD rolled out its first sustainable procurements in 2020. Based on reports from Grainger and Staples, the state purchases about 10% of its supplies in sustainable categories such as janitorial supplies not including energy star electronics.

## ➤ CRB MIGRATION

Since the Contracts Review Bureau (CRB) moved from the Department of Finance and Administration to the General Services Department, CRB now accepts all contracts electronically, cutting the processing time to 3 days or less while eliminating the printing of contracts now that the electronic version is our official copy. CRB was a 100% manual process handling over 1500 contracts annually, taking on average about 20 days to process each contract.

## ➤ SOLAR INSTALLATIONS

In 2021 the largest solar carport installation of its kind in NM has began producing 1.6 megawatts of electricity to the Runnels, Simms and Montoya state buildings buildings in Santa Fe. The \$6.9 million South Capitol Green Energy Project and supplies 40 percent of annual power needs, saving the state a projected \$219,000 a year in costs.

# NM GENERAL SERVICES DEPARTMENT INITIATIVES

## State Buildings Green Energy Project

In August 2019, the State of New Mexico's Facilities Management Division of the General Services Department began a \$32 million project to improve the energy efficiency of more than 30 executive buildings in Santa Fe. The project is anticipated to cut energy bills in half, saving the state at least \$1.1 million per year. The project will also have a lasting impact on the community, state, and world in terms of the global greenhouse gas emissions reduced by these efforts.



### Solar:

Of the 19 sites determined to need solar PVs, 16 are complete with the remaining 3 large solar car ports



### Domestic Water:

Of the 26 site identified whereby the installation of water savings devices, 25 of those sites are complete with one (1) remaining site to be completed before year end.



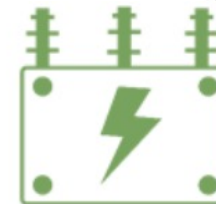
### Building Envelope:

Of the 26 site determined to need Building Envelope, 23 are complete with the remaining 3 sites being completed by year end.



### Lighting:

Of the 30 site determined to benefit from higher efficient lighting systems, 25 are complete with the remaining 5 sites being completed by year end.



### Transformers:

Of the 22 sites determined to benefit from high efficient transformers, all 22 sites are complete.



### HVAC & Controls:

Of the 26 site determined to benefit from higher energy efficient equipment and building automation systems (BAS), 22 are complete with the remaining 4 sites



### Window Film:

Of the 26 site determined to need Window Film, all 26 sites are complete.

# STATE PURCHASING FUTURE PROJECTS

- Creation of “green teams” in both state and local government entities to teach procurement personnel learn how to purchase sustainable goods.
- Outreach to organizations such as the New Mexico Public Purchasing Association, APS, and the City of Albuquerque to educate the sustainable product offerings on SPD’s statewide price agreements used by all executive branch and local public entities.
- Coordination with National Association of Procurement Officials and the Sustainable Purchasing Leadership Counsel to share innovation and lessons learned in sustainable initiatives.
- Continued collaboration with universities to establish “Best Practices” for sustainable procurement in NM. SPD recently worked with ASU’s master’s class on this project through Shirley-Ann Augustin-Behravesh, PhD, Senior Sustainability Scientist, Global Institute of Sustainability and Innovation Lecturer, Arizona State University School of Sustainability, College of Global Futures.

# ELECTRIC VEHICLES

The transportation sector is the No. 2 producer of greenhouse gas emissions in New Mexico. The General Services Department received a \$750,000 appropriation in the FY21 legislative session to augment electric vehicles in the state's motor pool to provide transportation for state agencies. In 2021 GSD added its first all-electric vehicles to the Motor Pool and purchased 35 full electric vehicles and 40 hybrids including 8 pickup trucks. GSD is completing installation of 30 charging stations on state campuses in Santa Fe to serve government and privately owned electric vehicles.

GSD has made substantial progress on its State Buildings Green Energy Project, a \$32 million energy-efficiency and solar power initiative for 30 government buildings in Santa Fe. Solar power has been installed on 16 buildings, and construction is underway on three large solar carports. The State Buildings Green Energy Project will save taxpayers at least \$1.1 million a year in electric utility costs. The project also will reduce state government's annual carbon footprint by the equivalent of removing 1,200 gas-powered passenger cars from the roads.





# EV CHARGING STATIONS



Public Service Co. of New Mexico, New Mexico's largest electric provider, proposal to state regulators for incentivizing the buildout of infrastructure that would be needed to bolster the use of electric vehicles. PNM's filing is the result of more than a year of research and community outreach, detailing a series of customer rebate proposals for installing charging infrastructure and charging during off-peak times.

This is the second plan under a 2019 law requiring public utilities to submit plans to the Public Regulation Commission by 2021 for how they will expand the infrastructure for electric transportation, taking into account how the plans will increase access to the use of electric vehicles by underserved communities and whether any reductions in pollution can be expected. Utilities can recover reasonable costs related to implementation of the plans through increases in customer rates.

PNM estimates its program will cost close to \$8.5 million over two years. If approved, PNM's full rollout could happen as early as 2022. PNM currently owns and operates four free charging stations — two in Santa Fe, one at a visitor center in Silver City and another at an Albuquerque shopping mall.



## EV CHARGING STATIONS

In 2019, signaling New Mexico's commitment to electric vehicles, Governor Michelle Lujan Grisham joined seven governors from other Western states (Arizona, Colorado, Idaho, Montana, Nevada, Utah and Wyoming) in signing a memorandum of understanding to develop electric vehicle charging infrastructure along major highways in the region. The agreement includes Arizona, Colorado, Idaho, Montana, Nevada, Utah and Wyoming, signaling New Mexico's commitment to electric vehicles.

In Santa Fe, the General Services Department installed 30 new charging stations for use by both government and private vehicles. The General Services Department oversaw the \$1.5 million project.



# EV CHARGING STATIONS

The December 2019 Electric Vehicle Accord reaffirms an interstate partnership to develop electric vehicle charging infrastructure along major highways in the Intermountain West. Voluntary minimum standards for charging stations was agreed by the REV West MOU updating an October 2017 agreement with the goal to ensure drivers can seamlessly drive an electric vehicle across the Signatory States' major transportation corridors. "Buyers need to know that if they invest in electric vehicles, they'll be able to drive where they need to go, recharging as needed while enabling public and private sector investment in electric vehicle charging stations and grow EV adoption in the region.

The voluntary minimum standards for Direct-Current Fast Charging (DCFC) stations include standards for administration, interoperability, operations and management. These standards are the result of collaboration between all the signatory states, with input from the private sector. The voluntary minimum standards are meant to guide the public and private sectors in developing their EV charging stations, ensure a consistent and easy experience for EV owners.



# NORTH CENTRAL REGION TRANSIT DISTRICT ZERO EMISSION BUS PROJECT

NCRTD's proposal to remove two low-floor, diesel-fueled buses and three high-floor, gasoline-fueled buses (2011-2015 model years) from service plans to deploy five zero-emission battery electric buses in their place. Combined, the 5 replaced buses operate for approximately 137,760 miles for an annual fuel consumption of 5,010 gallons of diesel and 8,870 gallons of gasoline respectively.

Deploying battery electric buses in place of fossil fuel vehicles will reduce energy consumption and harmful emissions, including greenhouse gases and particulates. The battery electric buses proposed by NCRTD consume less energy per mile than buses with gasoline, diesel, or natural gas engines. Even when considering well-to-wheel energy requirements, battery electric buses are a more efficient transit solution than these other vehicle technologies.



# NORTH CENTRAL REGION TRANSIT DISTRICT ZERO EMISSION BUS PROJECT

Operating battery electric buses instead of comparable 2021 fossil fuel buses reduces the amount of energy that NCRTD uses each year by 1.8 terajoules – the energy equivalent to 31 years' worth of annual gasoline consumption for the average American car driver.

Deploying the zero-emission buses in place of the existing vehicles reduces NCRTD's annual greenhouse gas emissions by approximately 77 tons and prevents the release of 5.7 lbs. particulate matter under 10 micrometers annually; 5.3 lbs. of which is fine particulate matter known to have a considerable health impact on the local community. This reduction in emissions for greenhouse gases and particulates results in an estimated social cost savings of \$4,000 annually.



## North Central Regional Transit District Zero Emission Bus(ZEB) Project

- 6 - 35 ft Electric Buses (at least 3 maybe hydrogen fuel cell electric)
- 4 - Electric Cutaways
- Targeted routes for deployment of ZEB's is in Espanola (Riverside Route) and Taos (Red, Green and Taos to Santa Fe)
- Depot Charging (electric and hydrogen fueling facilities)
- Weather, altitude and topography and weather conditions and load factors impact where we place ZEB's or hydrogen fuel cell electric vehicles or a mix
- 3 - On-route Bus Chargers for Electric Vehicles
- Staff Training
- Project Cost: ~\$ 10 Million (80% federally funded and 20% local funds)
- Time Frame:
  - FY 2021 Design/Procurement
  - FY 2022 Construction of on route chargers

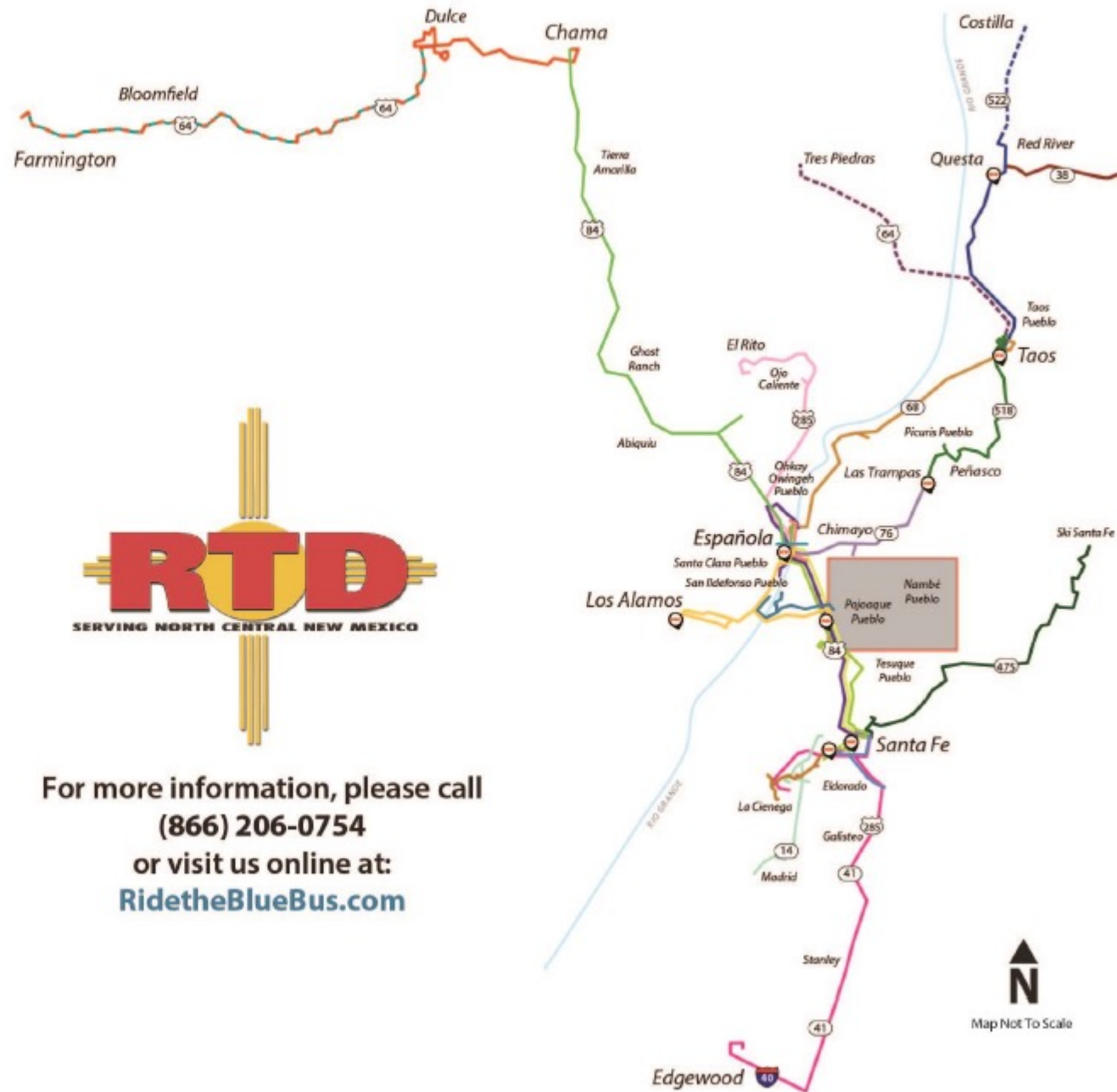
# RTD Transit System Map & Information

33 routes serving an area that encompasses 10,079 square miles of North Central New Mexico with an estimated population of 289,027 residents.

Annually travel 1.42 million miles per year (an average of 56,800 miles per route/year) equivalent of 509 roundtrips from New York to California



For more information, please call  
**(866) 206-0754**  
 or visit us online at:  
[RidetheBlueBus.com](http://RidetheBlueBus.com)



- 100 Riverside
  - 110 Westside-Cross
  - 150 Chimayo
  - 160 Santa Clara
  - 170 Jicarilla
  - 180 El Rito
  - 190 Chama
  - 200 Santa Fe
  - 220 Tesuque
  - 230 San Ildefonso
  - 255 Mountain Trail
  - 260 La Cienega
  - 270 Turquoise Trail
  - 280 Eldorado
  - 290 Edgewood
  - 300 Taos
  - 305 Taos Express
  - 310 Red River
  - 320 Questa
  - 330 Peñasco
  - 360 Tres Piedras
  - 400 Los Alamos
  - Pojoaque-Nambé Dial-A-Ride
- Limited Service (see route's brochure for details)
- Transfer Point





# NEW MEXICO LEGISLATION

On Mar 3, 2020 Governor Michelle Lujan Grisham signed a group of bills to expand New Mexico's capacity for solar energy and help modernize the state's electric grid, advancing her administration's work in the reduction of greenhouse gas emissions, economic diversification and renewable energy sector expansion.

- Senate Bill 29 relaunches an expired 10 percent tax credit toward the purchase of a solar system for NM residents and business owners with a \$6,000 cap per taxpayer per year. When the previous credit expired, solar jobs fell 25 percent across New Mexico.





# NEW MEXICO LEGISLATION

- House Bill 50, sponsored expands infrastructure for renewable energy by making transmission line projects eligible for Industrial Revenue Bonds available to cities and municipalities, laying the groundwork to transmit power across the state.
- House Bill 233 The Energy Grid Modernization Roadmap directs the Energy, Minerals and Natural Resources Department to develop a strategic plan for energy grid modernization and to establish a competitive grant program to support implementation of eligible grid modernization projects.


# NEW MEXICO NATURAL RESOURCES DEPT.

In September 2021, EMNRD submitted a proposed \$82,055,700 FY23 budget to the Department of Finance and Administration reflecting the administration's climate priorities and policies while investing in significant staffing for EMNRD. Key EMNRD initiatives for FY23 include:

- Effectively and efficiently regulating and permitting the oil, gas, and mining industries. The proposed budget will facilitate additional oil and gas inspections, plug more orphan wells, continue documenting abandoned mining features, and bring lands impacted by mining back to beneficial use.
- Expanding renewable energy, modernizing our electric grid, and expanding the clean energy economy by conducting outreach to new businesses.




# NEW MEXICO NATURAL RESOURCES DEPT.

- Investing in outdoor recreation by improving the visitor experience in our State Park system through expanded technology, infrastructure improvements, and hiring additional staff to provide a safe environment.
  - Securing and efficiently deploying federal funding directed at climate change infrastructure improvements.
  - Fully utilizing available funds to conserve lands and watersheds outlined in the Governor's 30 by 30 directive.
  - Implementing the nation-leading natural gas waste rule, reclaiming lands impacted by mining, processing solar tax credits.
- 



# NEW MEXICO CLIMATE SUMMIT

New Mexico's first-ever New Mexico Climate Summit will be held at the State Capitol on October 25-26, 2021.

- The two-day event will gather nationwide experts and leaders from across the state to develop bold new policies that address the climate crisis and include a just energy transition for all of New Mexico's diverse communities.
  - The summit is in partnership with organizations including Somos Un Pueblo Unido, Rio Grande Chapter of the Sierra Club, Natural Resources Defense Council, OLÉ, Center for Civic Policy, Western Resource Advocates, Environmental Defense Fund, Conservation Voters New Mexico, NM Wild, Power4NewMexico, the Angelica Foundation, and the Energy Foundation.
- 

# NEW MEXICO CLIMATE SUMMIT

Speakers include Maite Arce of the Hispanic Access Foundation, Andrew Baumann of Global Strategy Group, Governor Michelle Lujan Grisham, professors from the University of New Mexico and Georgetown University, Native and Tribal leaders, and Speaker Egolf,

- In-depth breakout discussions on key issues including federal funding opportunities, ensuring an equitable transition, the future of New Mexico energy, economic diversification, air, land, and water conservation efforts, and next steps in our fight against the climate crisis.

<https://www.eventbrite.com/e/new-mexico-2021-climate-summit-registration-170469695448>

# NEW MEXICO AND COP 26

New Mexico will present our accomplishments at the 2021 Conference of Parties, organized by the United Nations Framework Conference on Climate Change

**SECURING OUR FUTURE**  
MEETING THE CLIMATE CHALLENGE AT COP26  
AND WITH BOLD INFRASTRUCTURE INVESTMENT

 Dame Karen Pierce DCMG, British Ambassador to the United States

 U.S. EPA Administrator Michael Regan

 New Mexico Gov. Michelle Lujan Grisham

 Hawaii Gov. David Ige

 Washington Gov. Jay Inslee

 Maine Gov. Janet Mills

THURSDAY SEPTEMBER 23 | 3:00PM ET  
LIVESTREAM: [bit.ly/Securing-Our-Future](https://bit.ly/Securing-Our-Future)

UNITED STATES CLIMATE ALLIANCE

@USClimate  
[usclimatealliance.org](https://usclimatealliance.org)

UNITED STATES CLIMATE ALLIANCE

# COP 26

The Conference of Parties or the UN Climate Change Conference (the official name for climate COPs) has happened every year since 1995. The two-week summits are an important space for stakeholders to discuss the climate crisis on a global level. At the 2015 COP in Paris, 190 countries in the world officially ratified the “Paris Agreement”. The UN General Assembly is the platform from which global leaders will make compelling arguments to limit and tackle the climate crisis.

The US Special Presidential Envoy for Climate, John Kerry is set to be a major part of discussions, and President Joe Biden will be at the event too.

A focus is an ongoing shift in how we produce and consume energy. Five years into this process, the verdict is sobering: we are not transitioning fast enough to meet the goals of the Paris Agreement. It is as important to understand where we are heading and why the planet will warm by 2.3 degrees if we do not succeed with further increasing the pace of transition.

# NEW MEXICO AND COP 26

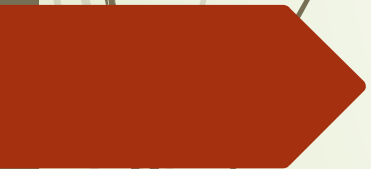
New Mexico, along with other states, will share state and local level initiatives, policies, and strategies which impact climate change.





## **Question #2:**

What has State Purchasing done to promote coordination with its academic partners?



# STATE PURCHASING INTERNSHIPS

State Purchasing Division (SPD) concluded its first National Association of Procurement Officials (NASPO) sponsored internship. NASPO provided \$20,000 to General Services Department (GSD) to create a fully paid, full time, summer internship program through one of eight universities across the country with a credentialed supply chain management program. GSD's selected intern was a Master's supply chain management student from North Carolina University who worked remotely throughout the project.

To engage Mark Roberts in a meaningful learning experience, while also producing a tangible result for SPD, his assignment was to create four procurement training videos. The first involves Commodity Codes: what they are, what they do, and how to use them. This video is now public as posted on State Purchasing's website (under Resources, then Vendors, then Commodity Codes V2.1):

<https://www.generalservices.state.nm.us/wp-content/uploads/Commodity-Codes-V2.1.mp4>



# STATE PURCHASING INTERNSHIPS

Mark Robert's other training videos include navigation of SPD's website resources, how to register as a vendor on SPD's website, and how government entities shall annually report in-state and out-of-state contracts using the SPD portal.

This effort follows SPD's three prior internships coordinated through Santa Fe Community College students beginning in March of 2020 also conducted remotely throughout the pandemic.

In addition, SPD is now working with New Mexico Universities to develop Supply Chain Management procurement curriculums with the ultimate plan of leveraging the internship program to create a talent pipeline for supplying our state's continued need for these specialized skills in all government entities.



# STATE PURCHASING PARTNERSHIPS

In 2020 State Purchasing partnered with Arizona State University's Shirley-Ann Augustin-Behravesh, PhD Senior Sustainability Scientist, Global Institute of Sustainability and Innovation Lecturer, School of Sustainability, College of Global Futures, to engage her entire graduate class to research sustainability best practices across the country.

The end product was a sustainable procurement report for NM to roll out a plan for our state to implement its first sustainability procurement program.

Highlights include: Top-Level Management Buy-In Benchmarks, Clear Environmental Procurement Policies, Defining Responsibility Roles; Create Employee Training Programs; Tailored training sessions designed to fit with key business policies and practices, Producing guidelines and making training available to all employees to contribute to a successful state sustainability outcome.



# STATE PURCHASING PARTNERSHIPS

Arizona State University's report also detailed next steps to create:

- Green Teams.

Foster a strong sustainability culture and lead behavior by the dissemination of information about green products, services, practices and tool sharing in an on-demand environment. Creating teams encourages new creation of new behavioral norms and institute organizational change.

- Award Programs.

Positive practices and results can be recognized organized around a variety of targets within each government entity and rewarded with monetary prizes, training opportunities, or certificates, to encourage exemplary participation.

- Professional Networks

Assistance with adopting appropriate sustainability certifications, labels, and standards while addressing common barriers to implementation. Both NASPO and NMPPA may be of help in the creation and roll out of this type of environment.



# NEW MEXICO STATE PURCHASING CONTACT INFORMATION

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