New Mexico Environment Department Fiscal Year 2024 Strategic Plan

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Fiscal Year 2024 Strategic Plan

James C. Kenney
Cabinet Secretary

In Fiscal Year 2024, the New Mexico Environment Department (NMED or the Department) will continue its noble mission of protecting public health and the environment as outlined in this strategic plan. We will measure our success throughout the fiscal year per our performance measures which focus on public health, the environment, compliance, economic investments and operational effectiveness. We will continue to invest in our employees and workplace culture to ensure NMED is the best place to work in state government. We will assess our progress through quarterly performance reports published to our website and continue to inform the public and our employees of all our efforts through effective communication strategies, including social media.

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Vision, Mission, and Values

Vision

To foster a thriving and trusted, nationally leading organization known for protecting public health and the environment through its dedicated public servants.

Mission

Protect and restore the environment and foster a healthy and prosperous New Mexico for present and future generations.

Values

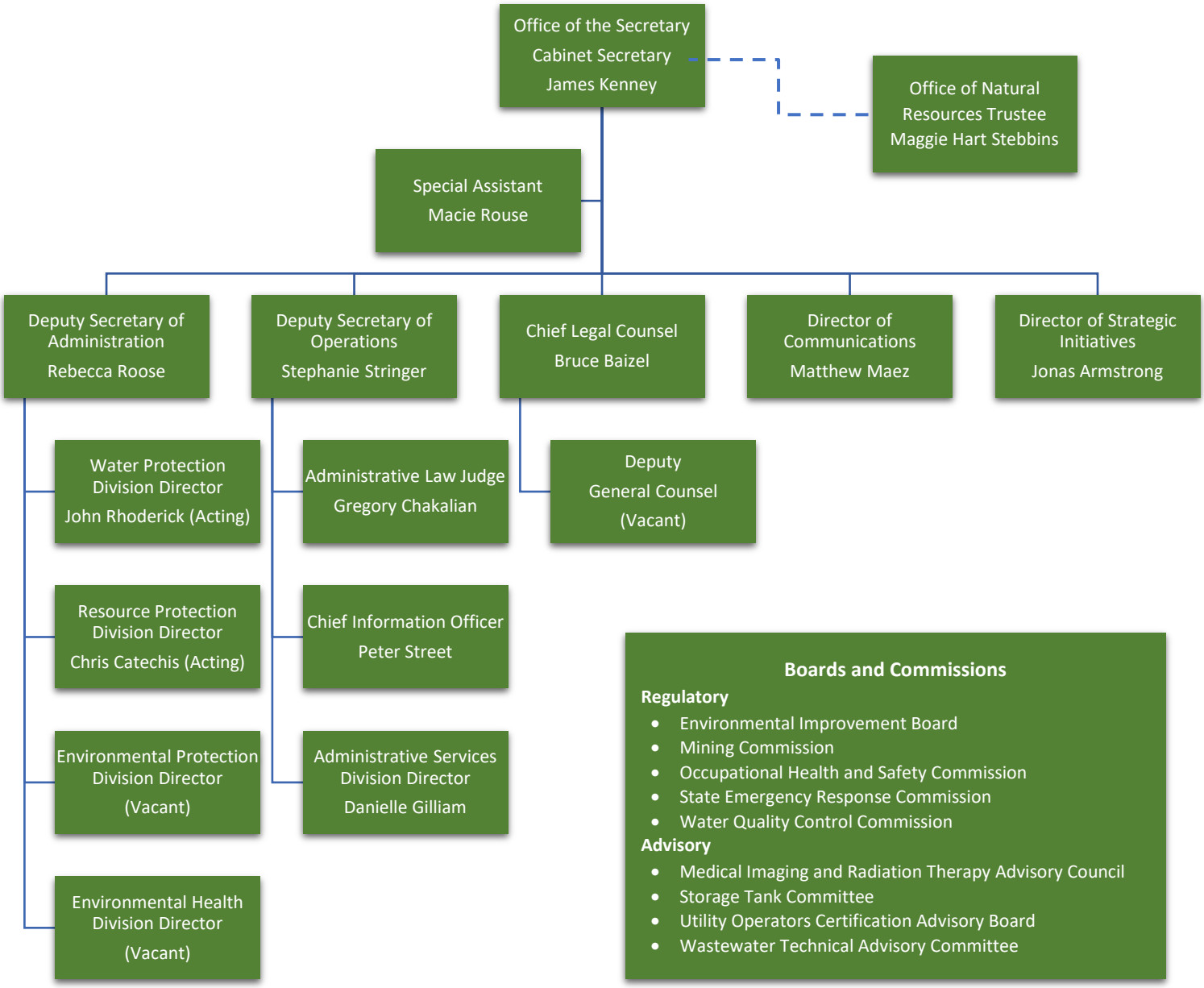
Science - Embracing the best available science to inform decision-making in support of our vision and mission.

Innovation - Employing creative engineering and technological solutions to address challenges.

Collaboration - Engaging communities and interested stakeholders in decision-making and outcomes.

Compliance - Ensuring accountability with permits and rules while maintaining a fair and level playing field.

Organizational Structure



Boards and Commissions

Regulatory

- Environmental Improvement Board
- Mining Commission
- Occupational Health and Safety Commission
- State Emergency Response Commission
- Water Quality Control Commission

Advisory

- Medical Imaging and Radiation Therapy Advisory Council
- Storage Tank Committee
- Utility Operators Certification Advisory Board
- Wastewater Technical Advisory Committee

Resource Management Division (P567)

Purpose of the Program

To provide leadership and strategic vision across the Department. To empower all management and staff to implement the Department's mission to the fullest extent possible. To create and foster a professional, diverse, and accountable workforce.

Program Users

All stakeholders, the public, Tribes, Nations, and Pueblos who place their trust in the air they breathe, water they drink, and land on which they live. Internally, the NMED employees who work and live across New Mexico to fulfill our critical mission.

Benefits to New Mexicans

- A well-funded and highly functioning NMED can protect public health and the environment equally for all New Mexicans and communities served.
- Responsive communication of complex scientific and technical issues in a clear manner to all members of the public in multiple languages.
- Timely, accurate, equitable and transparent access to public health and environmental information for community and family-based decision-making.
- Accountability and oversight of public funds.
- Expanded online program delivery that strengthens traditional program access where essential.
- Compliance with public health and environmental protections that provides a level playing field for all businesses and deterrence through vigorous enforcement when violations occur.
- Strong collaborations with stakeholders and other state agencies with a responsive and productive workforce.
- A highly-engaged workforce that advances efficient and safe customer service options.

Budget and Full-Time Equivalent (FTE)

Resources Management Division	FTE	Budget
Office of the Secretary	14.00	$2,320,100
Office of General Counsel	15.00	$2,369,900
Office of Information Technology	28.00	$3,200,100
Administrative Services Division	28.25	$5,723,900

See Appendix A for our performance measures and Appendix B for a comprehensive listing of our statutory authority.

Resource Management Division (P567)

Program Goals and Objectives

Office of the Secretary

- Implement the NMED's vision, mission and values in accordance with the Governor's and Secretary's vision, legislative authority, and federal delegation, primacy, and grant agreements.
- Provide open avenues of communication with Tribal governments to increase collaboration earlier in the rulemaking or permitting process and surrounding NMED action in other areas of interest.

Office of General Counsel

- Provide strategic, innovative, and effective legal advice and representation to NMED management and staff.
- Ensure accountability for noncompliance through strong and consistent enforcement policy and actions.
- Administer NMED's Inspection of Public Records Act program in an efficient and consistent manner.

Office of Communications

- Improve transparency of NMED's work and operations through the public-facing website and media, including the online performance dashboard.
- Deliver quality and timely communications on matters affecting public health and the environment.
- Ensure equitable access to NMED information by individuals with limited English proficiency.
- Foster strong internal communication across NMED to enhance teamwork, efficiency and cross-program engagement.

Office of Strategic Initiatives

- Provide leadership in executing NMED's core values of science, innovation, collaboration, and compliance through superior customer service to internal and external stakeholders.
- Improve our stewardship of federal funds through tools like Performance Partnership Grants.
- Foster strong, collaborative relationships with the New Mexico Legislature and Legislative Finance Committee.
- Increase regulatory compliance through assertive and consistent enforcement policies.
- Maintain robust public participation in federal regulation and policymaking that promotes equity and defends the interests of New Mexico communities.

Office of Information Technology

- Transform information technology (IT) by establishing consistent standards, practices, and governance as well as adopting enterprise-oriented approaches to automate processes, data management, and document storage.
- Implement new IT products and services, utilizing NMED-developed frameworks based on current technologies and best practices.
- Modernize and enable NMED's core business processes of permitting, licensing and certification, compliance monitoring, enforcement and oversight, environmental corrective action, reporting, electronic transmission of large datasets to federal agencies, public outreach, and education.
- Facilitate compliant online payments for NMED's core business processes.

Administrative Services Division

- Manage NMED's resources in an equitable and compliant manner that facilitates our mission while maintaining the public's trust.
- Provide excellent customer service and comprehensive administrative support to programs.

Resource Management Division (P567)

Program Goals and Objectives (cont.)

Office of Public Facilitation

- Facilitate exceptional customer service to the public and ensure public participation in docketed matters of the boards and commissions that the Office of Public Facilitation administers (including the Water Quality Control Commission and Environmental Improvement Board), public hearings assigned by the Secretary as a result of significant public interest, and due process compliance orders served on respondents by bureaus that benefit from public participation.

Strategic Actions

Office of the Secretary

- Build and maintain meaningful relationships with community members, elected officials, governmental agencies, the business community, industry, nongovernmental organizations and Tribal governments to inform sound policy and decision-making.
- Advocate for the Administration's legislative and fiscal priorities and sustained state investment in services and policies for the betterment of New Mexicans.

Office of General Counsel

- Expand the scope and range of legal advice and representation provided to NMED.
- Support all divisions and offices in integrating equity throughout delivery of services and operation of programs.
- Increase consistency and timeliness in compliance across programs to ensure a level playing field.

Office of Communications

- Proactively highlight NMED's many contributions to a resilient state economy and healthy communities.
- Timely coverage of news media and public inquiries to increase the public's understanding of NMED programs and community impacts.

Office of Strategic Initiatives

- Increase environmental justice capacity within NMED, including community-based mobile monitoring for health risks and impacts.
- Facilitate quarterly performance measures reporting and annual strategic planning process across NMED, including online publication of NMED's quarterly performance report.
- Develop and coordinate cross-divisional grant applications to support NMED priorities.
- Apply principles of continuous improvement through implementation and analysis of the annual Employee Engagement Survey to ensure NMED operations are informed by employee perspectives and concerns.
- Increase community engagement across New Mexico through strategic events and messaging.
- Coordinate Civil Rights Act compliance through oversight and implementation of NMED's non-discrimination program.

Resource Management Division (P567)

Strategic Actions (cont.)

Office of Information Technology

- Establish and govern consistent IT policies, processes, standards, and best practices.
- Drive cloud, cybersecurity, data, and geospatial technology modernizations.
- Implement enterprise-oriented low code application development platforms that will lead to process and workflow efficiencies and improvements to NMED's core business processes.
- Continue NMED's online payments program development while ensuring continuing Payment Card Industry compliance.
- Increase information available on NMED's website by creating informative charts, graphs, infographics, automating document posting, and implementing an online document management system.
- Provide excellent customer service by ensuring reliable network, data, project portfolio, application development, web development, and geographic information systems.

Administrative Services Division

- Maintain delivery of services to New Mexicans and the regulated community, commensurate with funding.
- Streamline and modernize administrative processes to improve public health and environmental outcomes and transparency of operations.
- Provide a broad range of technical and administrative assistance services to NMED that build program assets and develop new resources.
- Increase the enterprise-level funding capacity of NMED with a robust grant management and procurement operation.
- Identify, develop, and implement internal process improvements necessary to work smarter, not harder.
- Develop and implement innovative initiatives to improve employee recruitment, retention, and development.
- Reduce NMED's vacancy rate through data-driven process improvements supported by implementation of new business technologies (e.g., paperless and automation initiatives).
- Systematically implement recruitment and retention incentive programs through flex schedules, alternative work schedules, flex locations, and telework opportunities, for example.
- Create, track, and expand employee training and development programs, focused on leadership development.
- Engage in compensation and classification analysis across NMED in order to ensure internal equity and balanced workloads, adjust to market conditions, and orient NMED's staffing strategy to align with strategic growth and career advancement pathways.
- Foster high levels of employee engagement and productivity through an internal culture of mutual trust, respect, diversity, and inclusion.

Office of Public Facilitation

- Improve access to and maintain timely and accurate information relating to docketed matters for members of the public through the OPF Webpage, the Public Calendar, the Docketed Matters webpage, and the Public Comment Portal.
- Implement a training program on preservation and presentation of evidence to support and improve burdens of proof at administrative hearings.

Water Protection Division (P568)

Purpose of the Program

To ensure the cleanest and safest water supplies for New Mexicans today and into the future through the protection of surface water and groundwater quality. To provide financing for and oversight of water infrastructure projects across the state with added emphasis on projects related to the impacts of climate change.

Program Users

A public that expects to consume clean and safe drinking water whether in an urban or rural community. A public that recreates in and along New Mexico's lakes, rivers, and streams. Regulated entities who rely on relationships with regulators to provide technical and consistent expertise. Local governments, municipalities, and private utilities in need of technical and/or financial assistance to repair, update, or add water and wastewater infrastructure. Tribes, Pueblos, and Nations whose water quality may be impacted by others. All others who ensure our accountability to our mission, including: the Governor, Legislature, Federal Government, and the public.

Benefits to New Mexicans

- Safe, reliable, and trusted sources of drinking water for today's growing economy and future generations of New Mexicans.
- Healthy rivers and lakes that fully support recreation, tourism, and agriculture, which are essential components of a thriving state economy.
- Modernized and reliable infrastructure for our counties, cities, and towns that fosters healthy communities.
- Economic development opportunities on formerly contaminated properties that reinvigorate communities.
- Easily accessible information about drinking water, groundwater, and surface water quality, including in the aftermath of catastrophic events, such as devastating wildfires.

Budget and FTE

Water Protection Division	FTE	Budget
Office of the Director	5.25	$811,200
Construction Programs Bureau	24.00	$3,892,800
Drinking Water Bureau	57.00	$11,817,500
Ground Water Quality Bureau	62.00	$9,940,700
Surface Water Quality Bureau	43.00	$7,877,200

See Appendix A for our performance measures and Appendix B for a comprehensive listing of our statutory authority.

Water Protection Division (P568)

Program Goals and Objectives

- Develop and implement strategic actions to identify and address water contaminated with per- and polyfluoroalkyl substances (PFAS) and other emerging contaminants, as existing resources allow.
- Leverage available federal and state funding to maximize financing opportunities for water, wastewater, surface water, and solid waste infrastructure investments, and assist communities in utilizing available funding.
- Implement the Produced Water Act to preserve freshwater resources, protect water quality and public health, and provide regulatory certainty.
- Improve public drinking water system compliance with health-based standards in large, mid-size, and small communities.
- Support municipalities and public drinking water systems through robust implementation of the Water Conservation Fund Act.
- Improve the resiliency and efficiency of the groundwater discharge permit program to better serve the public.
- Strengthen enforcement and compliance for groundwater permits and facilities under abatement for groundwater contamination.
- Actively address clean-up and remediation of Superfund sites and other contaminated properties in New Mexico.
- Enhance the protection of surface waters by using all available tools, programs, and resources and seeking additional tools, such as permits, to control pollution.
- Identify and implement innovative approaches to leverage existing authorities to build communities and natural resource systems that are resilient to the impacts of climate change, consistent with the Governor's Executive Order 2019-003 on addressing Climate Change and Energy Waste Prevention and the 50 Year Water Plan.
- Effectively collaborate and communicate with key stakeholders across all programs to enhance program outcomes.

Photo 1: Avery Young of the Ground Water Quality Bureau views the progress of a well camera as it descends the well casing to determine if well construction was properly completed and to check for any compromised sections. She is aided by a local utility operator.

Water Protection Division (P568)

Strategic Actions

- Develop and maintain informative and interactive public facing tools, including story maps on drought and other water related emergencies and PFAS, to provide resources and current public health information to regulated entities, community leaders, and other stakeholders.
- Lead action-oriented discussions with key partners and stakeholders to develop needed reforms to capital outlay funding for water infrastructure projects to improve outcomes for communities.
- Leverage innovative partnerships and conduct marketing outreach for water infrastructure financing programs to increase loan utilization rates, including federal Bipartisan Infrastructure Law funding.
- Support the ongoing work of the New Mexico Produced Water Research Consortium to fill science and technology gaps related to treatment and use of produced water for purposes outside the oil and gas sector.
- Work closely with the New Mexico Oil Conservation Division to ensure the appropriate use of produced water and treated produced water under the Produced Water Act.
- Finalize new rules to prevent contamination of water resources through implementation of the Produced Water Act prohibition on discharges of oil and gas wastewater outside of the oil and gas industry without an NMED-issued permit.
- Maximize the number of drinking water contaminants covered by NMED's sampling program through efficient management of Water Conservation Fund fees and supplemental funding, thereby avoiding additional costs for drinking water utilities.
- Maintain an enhanced drinking water compliance and enforcement program by increasing staff capacity to perform complex analysis of system monitoring data, conduct onsite inspections, and take appropriate enforcement actions.
- Strengthen the Utility Operator Certification Program's support for more than 3,000 certified drinking water and wastewater utility operators through implementation of updated regulations, online exams, targeted technical assistance, and partnerships to increase recruitment and training of new operators.

- Implement updated state water quality management plans and ambient monitoring plans that integrate climate change science to assess water quality of rivers, streams, lakes, and wetlands and improve watershed health and resiliency.
- Execute a robust public outreach and education campaign about the importance of new state permitting authority to protect surface waters from pollution, which will inform development of legal and policy requirements, program structure and costs, funding mechanisms, and public engagement tools.
- Oversee remediation activities at Superfund sites and ensure NMED has ample funding for all state cost obligations associated with remediation at these sites.
- Develop innovative approaches to address groundwater contamination associated with sites that lack a responsible party and require adequate financial assurance from entities that receive a discharge permit.
- Build more resilient communities through technical assistance and training on strategies to address climate change impacts through local source water planning.
- Implement enforcement policies and leverage modernized data management systems for surface water, groundwater, and drinking water regulatory programs.
- Actively participate with other agencies and stakeholders to advance the New Mexico Water Data Initiative.

Resource Protection Division (P569)

Purpose of the Program

To maximize the prevention of new contamination and expeditiously address legacy pollution in New Mexico for the protection of public health and the environment. To ensure environmental justice for the equal protection and meaningful involvement of all people with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies and the equitable distribution of environmental benefits. To ensure hazardous waste is managed – from cradle to grave – and contaminated sites are cleaned up as quickly as possible to lessen the burden to communities, their health, and our environment. To closely monitor the environment within and around U.S. Department of Defense (DOD) and U.S. Department of Energy (DOE) facilities in New Mexico, taking swift and meaningful compliance actions when warranted. To ensure petroleum storage tanks are managed to prevent releases and that any releases are remediated as expeditiously as possible and as eligibility and the Corrective Action Fund allows. To ensure solid waste – including infectious waste – and recyclable materials are responsibly managed.

Program Users

A public that trusts and expects that New Mexico's natural resources will not diminish their family's health, safety, or economic prosperity regardless of where they live, work, or play. This includes New Mexico's service members who are stationed at U.S. Air Force installations, employees and contractors at DOE facilities and the residents who live in proximity to these installations. Regulated entities who rely on relationships with regulators to provide technical and consistent expertise. County and municipal governments who rely on our expertise for emergency response and technical guidance, including best management practices to minimize costs to taxpayers where possible. Tribes, Pueblos, and Nations whose natural resources may be impacted by others. All others who ensure our accountability to our mission, including: the Governor, Legislature, Federal Government, and the public.

Benefits to New Mexicans

- Timely responses to releases of hazardous substances that prevent exposure to people and the environment.
- Accountability and consequences for those who put New Mexicans at risk from improper management of waste.
- Federal facilities that comply with regulations and properly manage and clean up their waste.
- Robust surveillance of DOE facilities to confirm environmental results and inform surrounding communities.
- Financial assurance and incentives for the petroleum industry to prevent or clean up petroleum spills/releases.
- Landfills that are designed, operated, and monitored to safely isolate waste from the environment, thereby protecting human health and the environment.
- Timely response to illegal dumping of trash.
- Reuse and recycling programs that encourage New Mexicans to turn their trash into treasures.

Budget and FTE

Resource Protection Division	FTE	Budget
Office of the Director	5.25	$661,900
DOE Oversight Bureau	17.00	$3,063,800
Hazardous Waste Bureau	41.00	$5,288,700
Petroleum Storage Tank Bureau	57.00	$6,205,700
Solid Waste Bureau	24.00	$2,159,100

See Appendix A for our performance measures and Appendix B for a comprehensive listing of our statutory authority.

Resource Protection Division (P569)

Program Goals and Objectives

- Provide increased regulatory oversight and accountability over hazardous waste generators, permittees, petroleum storage tank operators, and solid waste facilities.
- Ensure new and legacy contaminated sites are cleaned up in a manner that is quick, safe, and protective of human health and the environment and compliant with state and federal regulations.
- Maximize use of the Corrective Action Fund to clean up petroleum storage tank release sites.
- Increase public and stakeholder knowledge and awareness of environmental matters at DOE facilities and other regulated facilities through collaborative efforts.
- Effectively engage, collaborate, and communicate with key stakeholders across all programs to ensure transparency and enhance program outcomes.
- Strengthen compliance and enforcement for waste management and corrective action in a manner that is consistent, fair, and timely.
- Support state and local economic development by protecting and restoring New Mexico's natural resources and ensuring high quality public health.
- Further the state's climate change and emissions reductions goals by exploring emerging technologies that turn waste into energy.

Strategic Actions

- Hold the DOD accountable for PFAS contamination at DOD facilities, as well as resulting offsite contamination, that creates an imminent and substantial risk to public health and hurts the local economy.
- Hold the DOD accountable to finalize an expedited remedy selection plan and clean-up of the bulk fuel release at Kirtland Air Force Base.
- Collaborate with affected communities and stakeholders to facilitate the best possible environmental solutions and outcomes when addressing new and legacy contamination.
- Seek resources to build an illegal dumping prevention program.
- Address the most common and repeated violations by focused community outreach and enforcement, where appropriate.
- Implement environmental monitoring programs at high priority contamination or hazardous material storage sites, such as Los Alamos National Laboratory (LANL) and the Waste Isolation Pilot Plant (WIPP), and the surrounding areas, that align with NMED's programs and strategic initiatives.
- Strengthen the Compliance Order on Consent for LANL to provide greater accountability and enforcement of pace of clean-up activities of legacy waste at LANL.
- Maximize use of the Corrective Action Fund for the remediation of petroleum release sites through collaboration with New Mexico's Economic Development Department.
- Provide funding for local governments to develop recycling programs and abate illegal dumpsites.
- Leverage available resources, expertise, and partnerships to implement waste-to-energy pilot projects, such as anaerobic digestion.
- Develop and implement updated enforcement policies to ensure compliance and accountability on a level playing field.

Environmental Health Division (P570)

Purpose of the Program

To promote and regulate New Mexico businesses, products and services in a manner that prevents adverse impacts and risks to public health and the environment; this includes commercially prepared foods, manufactured foods, hemp-finished products, adult use and medical edible cannabis products, public swimming pools and spas and liquid waste systems. To prevent workplace illnesses, injuries and fatalities to move our economy forward.

Program Users

A public that eats at restaurants, purchases manufactured foods for their family, enjoys public pools and spas and expects and requires a safe working environment, as well as on-site septic system/property owners. The regulated community, including hemp and cannabis product manufacturers and food establishment owners. Other state agencies and institutions, county and local governments, and Tribes, Pueblos, and Nations who participate in consultation. All others who ensure our accountability to our mission, including: the Governor, Legislature, Federal Government, and the public.

Benefits to New Mexicans

- Safe food in restaurants and from New Mexico manufacturing facilities.
- Economic development, job growth, and human health protection through responsible hemp and cannabis manufacturing.
- Safe public swimming pools and spas for recreation, fitness and medical care.
- Septic tanks for onsite liquid waste that protect local ground water supplies and residents.
- Workers and workplaces that are safe and protected from hazards both day-to-day and during public health emergencies.
- Successful businesses with safe and productive workplaces.

Budget and FTE

Environmental Health Division	FTE	Budget
Office of the Director	2.5	$300,500
Environmental Health Bureau	99.5	$9,517,600
Occupational Health and Safety Bureau	49.00	$4,558,100
Cannabis and Hemp Bureau	5.00	$561,400

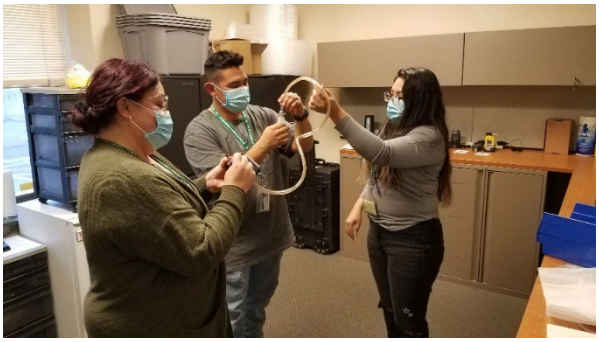


Photo 2: NMED industrial hygienists prepare sampling equipment for workplace safety inspection.

See Appendix A for our performance measures and Appendix B for a comprehensive listing of our statutory authority.

Environmental Health Division (P570)

Program Goals and Objectives

- Ensure consumers and the general public are protected from adverse health and safety conditions through the inspection and enforcement of hemp and cannabis manufacturing facilities.
- Develop and maintain a timely and flexible response capacity to emergent public health risks that create workplace hazards.
- Protect employees and the public from adverse health and safety conditions in workplaces and worksites through inspection and enforcement.
- Protect consumers and the public from adverse health and safety conditions, such as foodborne and other illness, in public food establishments through inspection and enforcement.
- Prevent and abate public health hazards from surface and groundwater contamination by regulating onsite treatment and disposal of liquid waste.
- Ensure compliance at public swimming pools, baths, and spas to protect public health.
- Develop recommendations for establishing or strengthening employee safety and health programs.
- Establish strategic partnerships with groups of employers and employees to encourage, assist and recognize efforts to eliminate serious hazards and achieve a high degree of employee safety and health.
- Develop and launch program to administer the liquid waste indigent fund to help low-income residents with the cost to repair, replace or construct wastewater systems or alternative systems or connect to sewer systems.
- Collaborate with restaurants and the food, hemp and cannabis manufacturing sectors to reduce greenhouse gas emissions and protect consumers from emerging contaminants, such as PFAS, in food packaging and solid waste.

Strategic Actions

- Continue to develop and implement a hemp and adult-use cannabis program, including permitting, compliance monitoring and enforcement functions, that ensures the protection of public health while supporting growth and sustainability of the industry.
- Provide free and confidential compliance assistance to businesses at their request by identifying workplace hazards, analyzing safety and health management systems.
- Manage funding and staffing levels to ensure timely permit issuance and compliance with liquid waste regulations.
- Administer the liquid waste indigent fund and execute associated professional services contracts to provide financial support to low income families across New Mexico to ensure they operate a safe and legal onsite wastewater system, including focused outreach to potentially eligible residents.
- Develop dynamic, adaptative strategies to address emerging workplace hazards, including regulatory requirements to address the growing cases of heat illness.
- Expand and retain NMED's skilled and trained team of food safety inspectors to keep pace with growth in food establishments across New Mexico and support local economies.
- Develop and implement training and retention strategies to maintain a team of workplace safety inspectors that provides requisite coverage of workplaces and worksites in New Mexico.
- Prevent workplace injuries by developing new and implementing existing occupational health and safety emphasis programs for emerging industries, such as hemp and adult-use cannabis manufacturing, and established industries, such as the oil and gas sector, where employees may be exposed to serious health and safety hazards.
- Integrate long-term pandemic and infectious disease prevention strategies into healthcare industry emphasis programs to protect workers from illness.

Environmental Protection Division (P570)

Purpose of the Program

To mitigate and prevent the impacts of climate change on our population, industries and infrastructure by decarbonizing our thriving economy. To protect New Mexico's inhabitants and our natural beauty through clean and clear air for all to breathe. To prevent unnecessary risks to public health when medical or veterinary services are needed. To protect communities and the environment by assuring the proper licensing and financial assurance of industrial activities that use or concentrate radioactive materials.

Program Users

A public that breathes air and receives radiologic exams. The regulated community, including oil and gas producers. Other state agencies and institutions, county and local governments, including Tribes and Pueblos who participate in consultation. All others who ensure our accountability to our mission, including: the Governor, Legislature, Federal Government, and the public.

Benefits to New Mexicans

- Clean air for all New Mexicans, including children, elderly and other vulnerable populations.
- Clear air for tourism and recreational opportunities from improved visibility at national and state parks and wilderness areas.
- Mitigating impacts of climate change by reducing greenhouse gas emissions and preparing for a warmer planet.
- Expanded energy options for families and businesses.
- Protection for workers and the public from the ill effects on human health and natural resources of radioactive materials in academic, medical, and industrial applications.
- Reduced exposure to indoor radon.
- Critical assistance to current and former DOE or DOE-contracted facility nuclear workers who are ill because of exposure to radiation, chemicals, or both.

Budget and FTE

Environmental Protection Division	FTE	Budget
Office of the Director	4.35	$591,500
Air Quality Bureau	92.00	$13,864,600
Climate Change Bureau	7.4	$788,500
Radiation Control Bureau	18.00	$2,304,300

See Appendix A for our performance measures and Appendix B for a comprehensive listing of our statutory authority.

Environmental Protection Division (P570)

Program Goals and Objectives

- Monitor and improve air quality and be proactive in areas where air quality is degrading by implementing emission control strategies and through timely, fair, and consistent enforcement.
- Ensure facilities that are non-compliant with air quality regulations or permit conditions take immediate and appropriate corrective action.
- Partner with other state agencies to implement the Governor's Executive Order 2019-003 on addressing Climate Change and Energy Waste Prevention and develop climate adaptation strategies, including the development of the renewable energy, clean hydrogen and other energy sources.
- Develop and implement regulatory programs that reduce greenhouse gas emissions from the transportation and oil and gas sectors and improve air quality for healthier communities.
- Reduce exposure to and increase knowledge on indoor radon through public outreach and education and targeted compliance initiatives.
- Protect and promote public and environmental health by preventing unnecessary radiation exposure through effective licensing, registration, inspection, special investigations, and enforcement.
- Implement federal requirements that protect visibility and mandate that the clarity of our skies return to preindustrial levels by 2064.

Strategic Actions

- Update the greenhouse gas emissions inventory and projections.
- Develop a market-based program for reducing greenhouse gas emissions.
- Support implementation of the Climate Change Task Force's Equity Principles across applicable program and policy actions.
- Support the directives of Executive Order 2022-013 Establishing the Clean Hydrogen Development Initiative.
- Provide a pathway for auto manufacturers to voluntarily comply with early-action provisions of the New Motor Vehicle Emission Standards and promote incentive-based clean transportation strategies.
- Implement and enforce regulations to control volatile organic compounds and nitrogen oxides in areas that exceed 95 percent of the 2015 National Ambient Air Quality Standard for Ozone.
- Build and retain a skilled and trained team of air quality scientists, climate scientists, and radiation specialists, including permit writers, environmental analysts, enforcement specialists, and inspectors to ensure timely permit and certification issuance and compliance with air quality and radiation regulations.
- Assess and assure compliance with the radioactive materials regulations for the oil and gas industry.

Photo 3: Secretary Kenney visits a distributor of electric and hydrogen fueled trucks in Albuquerque.

Appendix A

Performance Measures

Public Health
Percent of the population breathing air meeting federal health standards
Percent of the population served safe and healthy drinking water
Number of drinking water systems serving drinking water that did not meet at least one standard compared to the total number of drinking water systems
Number of community water system violations returned to compliance as a result of NMED assistance
Number of superfund sites cleaned up as compared to the number of superfund sites remaining
Employers that did not meet occupational health and safety requirements for at least one standard

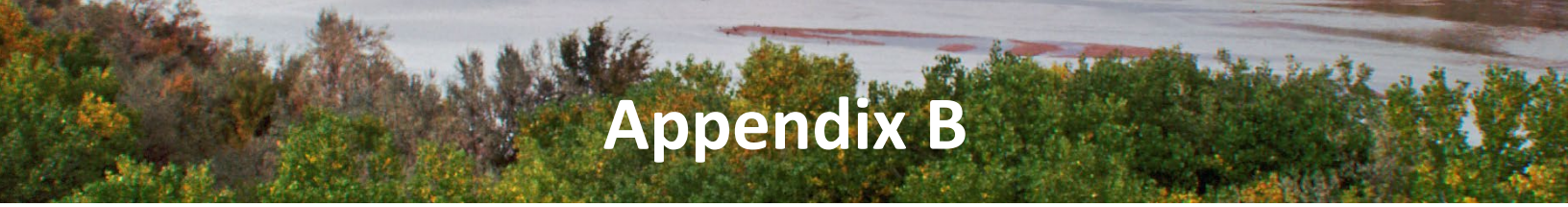
Environmental Protection
Amount of volatile organic compounds emitted statewide, in tons
Amount of volatile organic compounds emitted illegally, in tons
Amount of nitrogen oxides emitted statewide, in tons
Amount of nitrogen oxides emitted illegally, in tons
Quantity of nutrient-based pollutants reduced due to implementation of watershed restoration and on-the-ground improvement projects, in pounds
Reduction in nonpoint source sediment loading attributed to implementation of watershed restoration and on-the-ground improvement projects
Number of nonpoint source impaired waterbodies restored by the Department relative to the number of impaired water bodies
Number of underground storage tank sites cleaned up compared to the total number of leaking underground petroleum storage tank sites remaining
Number of completed cleanups of petroleum storage tank release sites that require no further action

Economic Investment
Total investment of grants dollars awarded to communities, year to date
Number of brownfield acres of contaminated land cleaned up and available for reuse
Investments in water infrastructure, in dollars
Number of new water infrastructure projects

Appendix A

Compliance	
Air	Percent of air emitting sources inspected
	Percent of air emitting sources in compliance
	Percent of air emitting sources in violation
Groundwater	Percent of groundwater permittees inspected
	Percent of groundwater permittees in compliance
	Percent of groundwater permittees in violation
Hazardous Waste	Percent of hazardous waste facilities inspected
	Percent of hazardous waste facilities in compliance
	Percent of hazardous waste facilities in violation
Restaurants and Food Manufacturing	Percent of restaurants/food manufactures inspected
	Percent of restaurants/food manufactures in compliance
	Percent of restaurants/food manufactures in violation
Septic Systems	Percent of new or modified liquid waste systems inspected
	Percent of new or modified liquid waste systems in compliance
	Percent of new or modified liquid waste systems in violation
Solid and Infectious Waste	Percent of solid and infectious waste management facilities inspected
	Percent of solid and infectious waste management facilities in compliance
	Percent of solid and infectious waste management facilities in violation
Surface Water	Percent of surface water permittees inspected
	Percent of surface water permittees in compliance
	Percent of surface water permittees in violation
Radiation Sources in Medical Equipment	Percent of ionizing/non-ionizing radiation sources inspected
	Percent of ionizing/non-ionizing radiation sources in compliance
	Percent of ionizing/non-ionizing radiation sources in violation

Operational
Total dollars collected by NMED and transferred to the general fund resulting from successful prosecutions and/or settlements stemming from non-compliance with laws, rules, or permits administered by the Department
Vacancy rate by month
Percent of NMED financial transactions completed online by the public or regulated community



Appendix B

Statutory Authority

- NMSA 1978, §§ 3-29-1 to -21 Sanitary Projects Act
- NMSA 1978, §§ 9-7A-1 to -15 Department of Environment Act
- NMSA 1978, §§ 10-15-1 to -4 Open Meetings Act
- NMSA 1978, §§ 13-1-1 to -199 Procurement Code
- NMSA 1978, §§ 14-2-1 to -12 Inspection of Public Records Act
- NMSA 1978, §§ 14-3-1 to -24 State Records Act
- NMSA 1978, §§ 14-4-1 to -11 State Rules Act
- NMSA 1978, §§ 14-4A-1 to -6 Small Business Regulatory Relief Act
- NMSA 1978, §§ 14-16-1 to -21 Uniform Electronic Transactions Act
- NMSA 1978, §§ 25-1-1 to -16 Food Service Sanitation Act
- NMSA 1978, §§ 25-2-1 to -21 Adulterated or Misbranded Food Act
- NMSA 1978, §§ 26-2C-1 to -42 Cannabis Regulation Act
- NMSA 1978, §§ 50-9-1 to -25 Occupational Health and Safety Act
- NMSA 1978, §§ 61-33-1 to -10 Utility Operators Act
- NMSA 1978, §§ 70-13-1 to -5 Produced Water Act
- NMSA 1978, §§ 71-8-1 to -8 Sustainable Development Testing Site Act
- NMSA 1978, §§ 74-1-1 to -17 Environmental Improvement Act
- NMSA 1978, §§ 74-2-1 to -22 Air Quality Control Act
- NMSA 1978, §§ 74-3-1 to -16 Radiation Protection Act
- NMSA 1978, §§ 74-4-1 to -14 Hazardous Waste Act
- NMSA 1978, §§ 74-4G-1 to -12 Voluntary Remediation Act
- NMSA 1978, §§ 74-6-1 to -17 Water Quality Act
- NMSA 1978, §§ 74-6A-1 to -15 Wastewater Facility Construction Loan Act
- NMSA 1978, §§ 74-6B-1 to -14 Ground Water Protection Act
- NMSA 1978, §§ 74-9-1 to -43 Solid Waste Act
- NMSA 1978, §§ 74-13-1 to -20 Recycling and Illegal Dumping Act
- NMSA 1978, §§ 76-24-1 to -10 Hemp Manufacturing Act

Fiscal Year 2024
New Mexico Environment Department
IT STRATEGIC PLAN
September 1, 2022

Peter Street
Chief Information Officer

James C. Kenney
Cabinet Secretary

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EXECUTIVE SUMMARY

The purpose of the New Mexico Environment Department (NMED) is to protect and restore the State's environment, and to foster a healthy and prosperous New Mexico for present and future generations. Our vision is to foster a thriving and trusted, nationally leading organization known for protecting public health and the environment through its dedicated public servants.

Priorities for NMED's Office of Information Technology (OIT) include delivering excellent customer service to constituents, the regulated community, and staff by providing access to timely, accurate, and secure information; facilitating the Department's ability to conduct business with the public, stakeholders and the regulated community, professionally and consistently; meeting the increasing demand for applications and electronic data sharing and reporting requirements; and, partnering between Department business units and external stakeholders. NMED OIT is directing its solutions- and operations-oriented resources towards the fulfillment of these priorities via improvements to its application, data, integration, infrastructure, and security systems

NMED OIT has accomplished a variety of substantive improvements in Fiscal Year 2022 (FY22). For example, progress has been made in standardizing the department's infrastructure and security domains. Additionally, the agency has modernized it's applications and data domains. In FY22 NMED began replacing outdated commercial of the shelf applications with custom developed applications including an instance of Licensing, Permitting, and Inspection. NMED continues their ongoing automation and modernization of their external and internal facing websites as well as began custom development of applications to automate Finance Services, Human Resources, and IT workflows and approval paths. Substantial progress was made in consolidating and scaling on premises data servers which will reduce IT costs and improve resilience as well as standing up instances of Azure and Oracle cloud services which will host and facilitate sharing NMED's data. Supporting NMED's data sharing efforts, refinement of NMED's Application Program Interface (API) platform continued in FY22 which facilitates data access, data sharing, as well as improved and expanded accessibility of our geospatial mapping toolkit. Updates to NMED's infrastructure focused on designing and upgrading wi-fi coverage at the Marquez, Springer, and Runnels facilities as well as ensuring broadband coverage at our remote office locations. NMED OIT created a cyber security governance, management, and response team comprised of IT leaders, Helpdesk, Network, Data, and Application section team members. These improvements ensure the agency's cyber security stance is integrated, employed, and practiced at every level in the NMED landscape.

NMED's goals for Fiscal Year 2023 include: transform agency applications with continued deployment of custom developed applications that automate and modernize the agency's core capabilities with the goal of reducing IT costs and improving efficiency; transform agency data by modernizing cloud-based infrastructure according to best practices with the goal of providing high quality data with minimal down-time; standardize agency integrations with the goal of facilitating high quality data sharing with an expanding population of stakeholders; modernize agency infrastructure by upgrading wi-fi services at remote locations with the goal of enabling a mobile workforce; modernize agency cyber security by augmenting monthly security scans with penetration testing which will ensure the agency's applications, data, integration, and infrastructure are secure.

NMED's goals for Fiscal Year 2024 include:
continued transformation of agency applications by replicating specific instances of custom developed applications automating the agency's core capabilities enterprise wide with the goal of reducing IT costs and improving efficiency; continued transformation of agency data to cloud-based services with the goal of providing high quality data at a lower cost with minimal downtime; modernize agency integrations with the goal of transforming virtual machine based application and data hosting to containerized disaggregated hosting which will improve efficiency, scalability, and security; transform agency infrastructure by

removing most instances of fixed telecommunications, upgrading bandwidth and wi-fi services at all remote locations with the goal of reducing IT costs and enabling a truly mobile and virtual workforce; transform agency cyber security by participating in a planned enterprise wide implementation of an Intrusion Detection and Prevention System (IDPS) which will ensure the agency's applications, data, integration, and infrastructure are constantly monitored for breaches and respond to breaches in a timely and efficient manner which will substantially reduce cyber security risk.

The challenges we face in meeting these goals include: funding, integrating and formalizing best practices as well as requirements and workflow improvements while developing custom developed applications; gaining enterprise oversight approval to use Azure and Oracle cloud instances, migrating applications and data to approved cloud instances, as well as testing applications and data on the cloud; further consolidating our server footprint to reduce our operating costs and properly prepare for migrating our on-premises servers to the cloud for improved application resilience, scalability, and security; achieving the next level of cybersecurity via the implementation of regular penetration testing and the creation of plans for incident response and disaster recovery.

I. AGENCY OVERVIEW

A. AGENCY MISSION

NMED's mission is to Protect and restore the environment and foster a healthy and prosperous New Mexico for present and future generations. NMED OIT supports the agency's mission by providing applications, automations, data, integrations, and infrastructure platforms on which the agency monitors and measures environmental quality as well as licensing, permitting, and inspection of permitted facilities.

B. AGENCY GOALS

Science - Embracing the best available science to inform decision-making in support of our mission.

Innovation - Employing creative engineering and technological solutions to address challenges.

Collaboration - Engaging communities and interested stakeholders in decision-making outcomes.

Compliance - Ensuring accountability with permits and rules while maintaining a fair and level playing field.

C. VISION AND PRIORITIES

In Fiscal Year 2024, NMED will continue its noble mission of protecting public health and the environment as outlined in the agency strategic plan. We will measure our success throughout the fiscal year per our performance measures which focus on public health, the environment, compliance, economic investments and operational effectiveness. We will assess our progress through quarterly performance reports published to our website.

D. AGENCY DESCRIPTION AND ORGANIZATION STRUCTURE

NMED is comprised of five essential functions including Resource Management Division, Environmental Health Division, Environmental Protection Division, Resource Protection Division, and Water Protection Division.

The mission of the Resource Management Division is to provide leadership and strategic vision across the Department. To empower all management and staff to implement the Department's mission to the fullest extent possible. To create and foster a professional, diverse, and accountable workforce. Resource Management Division is composed of the Office of the Secretary, Administrative Services Division, Office of General Council, and Office of Information Technology. The Resource Management Division performs a majority of their work in either Runnels Building in Santa Fe or the Springer Building in Albuquerque.

Resource Management Division	FTE
Office of the Secretary	14.00
Administrative Services Division	28.25
Office of General Counsel	15.00
Office of Information Technology	28.00

The mission of the Environmental Health Division is to promote and regulate New Mexico businesses, products and services in a manner that prevents adverse impacts and risks to public health and the environment; this includes commercially prepared foods, manufactured foods, hemp-finished products, adult use and medical edible cannabis products, public swimming pools and spas and liquid waste systems. To prevent workplace illnesses, injuries and fatalities to move our economy forward. The Environmental Health Division is composed of the Office of the Director, the Environmental Health Bureau, Occupational Health and Safety Bureau, as well as the Cannabis and Hemp Bureau. A majority of the work completed by the Environmental Health Division is completed at either the Runnels building in Santa Fe, or the Springer building in Albuquerque, or any one of NMED's field offices.

Environmental Health Division	FTE
Office of the Director	2.50
Environmental Health Bureau	99.50
Occupational Health and Safety Bureau	49.00
Cannabis and Hemp Bureau	5.00

The mission of the Environmental Protection Division is to mitigate and prevent the impacts of climate change on our population, industries and infrastructure by decarbonizing our economy. To protect New Mexico's inhabitants and our natural beauty through clean and clear air. To prevent unnecessary risks to public health when medical or veterinary services are needed. To protect families and pets from over-exposure to radiation from x-ray equipment. The Environmental Protection Division is composed of Office of the Director, Air Quality Bureau, Climate Change Bureau, and Radiation Control Bureau. A majority of the work completed by the Environmental Protection Division is completed at either the Runnels building in Santa Fe, or the Springer building in Albuquerque, or any one of NMED's field offices.

Environmental Protection Division	FTE
Office of the Director	4.35
Air Quality Bureau	92.00
Climate Change Bureau	7.40
Radiation Control Bureau	18.00

The mission of the Resource Protection Division is to maximize the prevention of new contamination and expeditiously address legacy pollution in New Mexico for the protection of public health and the environment. To ensure environmental justice for the equal protection and meaningful involvement of all people with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies and the equitable distribution of environmental benefits. To ensure hazardous waste is managed – from cradle to grave – and contaminated sites are cleaned up as quickly as possible to lessen the burden to communities, their health, and our environment. To closely monitor the environment within and around U.S. Department of Defense (DOD) and U.S. Department of Energy (DOE) facilities in New Mexico, taking swift and meaningful compliance actions when warranted. To ensure petroleum storage tanks are managed to prevent releases and that any releases are remediated as expeditiously as possible and as eligibility and the Corrective Action Fund allows. To ensure solid waste – including infectious waste – and recyclable materials are responsibly managed. A majority of the work completed by the Resource Protection Division is completed at either the Runnels building in Santa Fe, or the Springer building in Albuquerque, or any one of NMED's field offices.

Resource Protection Division	FTE
Office of the Director	5.25
DOE Oversight Bureau	17.00
Hazardous Waste Bureau	41.00
Petroleum Storage Tank Bureau	57.00
Solid Waste Bureau	24.00

The mission of the Water Protection Division is to ensure the cleanest and safest water supplies for New Mexicans today and into the future through the protection of surface water and groundwater quality. To provide financing for and oversight of water infrastructure projects across the state with added emphasis on projects related to the impacts of climate change. The Resource Protection Division is composed of the Office of the Director, Construction Programs Bureau, Drinking Water Bureau, Ground Water Quality Bureau, and Surface Water Quality Bureau. A majority of the work completed by the Water Protection Division is completed at either the Runnels Building in Santa Fe, or the Spring Building in Albuquerque, or any one of NMED's field offices.

Water Protection Division	FTE
Office of the Director	5.25
Construction Programs Bureau	24.00
Drinking Water Bureau	57.00
Ground Water Quality Bureau	62.00
Surface Water Quality Bureau	43.00

NMED Main Office	Harold Runnels Building 1190 S. St. Francis Drive Santa Fe, NM 87505			
Santa Fe Locations	Rodeo Plaza (Hazardous Waste Bureau and Petroleum Storage Tank Bureau) Marquez Plaza (Air Quality Bureau and Occupational Health and Safety Bureau) Montoya Building (Radiation Control Bureau) Camino Edward Ortiz Office (Environmental Health Bureau District 2 Office)			
District Offices	District 1 – Albuquerque District 3 – Las Cruces		District 2 – Santa Fe	
Field Offices	Alamogordo	Española	Las Vegas	Roswell
	Albuquerque	Farmington	Los Lunas	Ruidoso
	Carlsbad	Gallup	Milan	Silver City
	Clovis	Hobbs	Raton	Taos
	Deming	Las Cruces	Rio Rancho	Tucumcari

II. IT ENVIRONMENT

1. Major Applications

NMED's mission-critical applications broadly support the Department's functions of licensing and permitting, inspections and enforcement, and data analysis, consolidation and review.

NMED has a current application inventory of over 100 applications and web services, of which the principal, mission-critical applications are identified in Appendix A. Unlike many agencies of similar size, NMED does not utilize enterprise-wide operational user applications except for TEMPO (Tool for EnvironMental Protection Organizations), a legacy system. TEMPO is currently still partially in use by the NMED Air Quality Bureau (AQB) for some mission-critical needs not yet fulfilled by other, more modern applications still under development, and also partially by the NMED Ground Water Quality Bureau (GWQB) for tracking their permitting process and monitoring compliance of regulated entities. NMED OIT is primarily a custom-development shop utilizing mostly (but not exclusively) Java and PHP development languages, as the needs of NMED's programs and bureaus are often complex and unique in terms of both data and process flow, and the funding model supporting the bureaus is likewise complex and unique with many constraints.

2. Infrastructure

NMED maintains a Wide Area Network (WAN) that connects the offices throughout New Mexico. Standards for infrastructure components such as network equipment, servers, printers, software and client devices are maintained to support the business needs of NMED staff. NMED leverages the use of the Department of Information Technology (DoIT) Data Center in Santa Fe for a secure and reliable environment for NMED servers. NMED maintains a hyper-converged virtual server hosting and storage platform to meet the computing and storage needs of the organization.

The Department's virtual server infrastructure, which hosts the Department's managed file server (File Depot), is backed up regularly by an enterprise backup solution. The hyper-converged storage solution that hosts the virtual server infrastructure retains snapshots of virtual servers. File Depot is backed up nightly by additional enterprise backup software and these backups are retained on disk for one month. Weekly backups of File Depot are retained on tape for three months.

NMED data is managed using three different relational database management systems (RDBMS). The bulk of our data is stored and maintained using the Oracle RDBMS. Other data management systems used by NMED include Microsoft SQL Server and MySQL.

3. Security

NMED continues to maintain security as an agency priority. We are continuing with the DoIT-sponsored RiskSense vulnerability testing on a monthly basis. NMED's cyber security score is 796 as of September 01, 2022, compared to the statewide average score of 762. Our virtual private network (VPN) capabilities have been expanded substantially and with complete success to accommodate work-from-home requirements dictated by the pandemic. NMED is in the process of leveraging our Google Apigee API Management platform to ensure application security at a core API-access level. NMED plans on completing an annual security assessment, which will include agency wide cybersecurity training for contractors and staff in December 2022. Additionally, NMED OIT hosts quarterly "Lunch and Learn" events which focus on cybersecurity and new functionality.

4. Agency IT Certified Projects

PROJECT NAME	
Project Description	Enterprise System Modernization Phase I Page 209 - Laws 2021, Chapter 137, Section 7 (32)
Estimated Project Costs	$3,180,600
Current Funding	$1,580,600
Certified Project Phase	Planning
Estimated Completion	06/30/2023
Strategic Priority	1
PROJECT NAME	
Project Description	Document Digitization Phase 1 Page 217 - Laws 2022, Chapter 54, Section 7 (43)
Estimated Project Costs	$2,000,000
Current Funding	$500,000
Certified Project Phase	Pending Initiation
Estimated Completion	06/30/2024
Strategic Priority	1

TABLE II.1: Current Certified IT Projects

5. Workforce

A. Full Time Employees

NMED OIT has thirty one (31) authorized IT full time employees (FTE) of which two (2) positions are planned vacancies, nineteen (19) are filled. Of the ten (10) vacant position, two (2) are in the interview stage and the remaining eight (8) are pending approval for advertisement. All OIT staff members are teleworking while eight (8) work both in the office as well as teleworking.

B. IT Professional Services Contractors

NMED utilizes contracted IT professionals to assist with intra agency collaborations as well as staff augmentations. Generally, NMED contractors providing staff augmentation support are funded with NMED's OIT budget. Contractors working on intra agency collaborations are generally funded with C2 or Federal grant budgets.

6. Challenges

NMED has a significant need to replace COTS legacy applications to modernize automations, processes, and workflows with custom developed solutions. NMED's data domain has matured to a point were an updated and comprehensive data governance plan is required. Developing integration best practices when migrating existing functionality and services to Platform as a Service (PaaS) and Software as a Service (SaaS) is a challenge that NMED must address and document. Continued consolidation and migration of on-premises servers to the cloud is necessary to ensure NMED's modernization. Application, network and server cybersecurity are supported by monthly vulnerability scans. These scans ensure we are prepared to mitigate known attacks. On

the other hand, NMED must take the next step on our journey to cybersecurity maturity. Penetration testing, and an IDPS instance are the next major milestones NMED must complete to ensure a secure computing environment. NMED's Geographic Information System (GIS) Section migrated to ESRI's cloud environment and implemented Extract-Transform-Load (ETL) software. These migration and implementation efforts facilitate better utilization of high-quality GIS data. Utilizing data on ESRI's cloud platform allows NMED's mission-critical programs to self-publish dashboards and web maps. The recommended GIS standardization improvements include developing data update, quality and control processes as well as socializing publishing process and workflow best practices.

III. FY22 KEY ACCOMPLISHMENTS

A. FY22 STRATEGIC IT ACCOMPLISHMENTS

STRATEGIC PRIORITY 1 – [STRATEGY NAME]	
[STRATEGY STATEMENT – WHAT DOES THE STRATEGY ACCOMPLISH]	
FY22 Strategy 1	Modernize Cloud
Accomplishments	Expand, update and refresh technology and organizational practices to keep up with the accelerating pace of technological advancement and support New Mexico to adopt and leverage the most modern technologies
Outcomes/Metrics	100% of NMED staff are utilizing modernized cloud offerings on a daily basis. Approximately 25% of staff are exclusively utilizing cloud document storage as document repositories and for document sharing.
FY22 Strategy 2	Standardize Cybersecurity
Accomplishments	Established and implemented consistent standards, practices and governance across the Department to help implement new IT products and services while providing technical and strategic direction.
Outcomes/Metrics	The entire NMED IT Landscape is audited monthly to identify vulnerabilities. Instead of tasking cybersecurity to one individual, every member of NMED's OIT is responsible for cybersecurity. NMED OIT created a cyber security governance, management, and response team comprised of IT leaders, Helpdesk, Network, Data, and Application section team members. These improvements ensure the agency's cyber security stance is integrated, employed, and practiced at every level in the NMED landscape.
FY22 Strategy 3	Standardize Data
Accomplishments	Established consistent standards, practices and governance across the Department to help maintaining and implementing new IT products and services while providing technical and strategic direction.
Outcomes/Metrics	Although NMED's data governance has taken its first step on the path to standardized data, much remains to be completed. While the data governance established in FY22 ensures that newly developed custom solutions accept only validated and verified data, that shared data is the "source of truth", existing data sets require additional effort. The Agency's next step must include managing existing data quality by ensuring data sets are complete, valid, and verified.
FY22 Strategy 4	Standardize GIS
Accomplishments	Standardized GIS data editing, publication, and sharing. Implemented Esri's Enterprise Portal system allowing non-GIS-professionals to publish web maps. Fulfilled NMED's commitment to the Water Data Initiative via sharing water data compliant with the SensorThings API format.
Outcomes/Metrics	This strategic goal was met in FY22. Currently the GIS team is working refinements to the portal to improve data quality and process automations.

TABLE III.1: FY22 Strategic IT Accomplishments

B. OTHER KEY IT ACCOMPLISHMENTS – FY22

APPLICATION	
Accomplishment	Provision and commission of Power Platform & started LPI custom development
Value or Impact	Developing one custom solution for NMED's LPI activities will save the agency $375,000 in license fees per year.
Accomplishment	Released new version of Air Emissions Inventory Reporting (AEIR)
Value or Impact	Increased stakeholder engagement from 300 users to over 4,000 users.
Accomplishment	Smart Comment
Value or Impact	Overlaying Smart Comment on the NMED public facing website allows agency staff to digitally collect comments for boards and commissions, hearings, and permit applications in a centralized, compliant, and efficient manner.
Accomplishment	Website content management and promotion controls and tools
Value or Impact	Allowing staff to directly upload content to NMED's public facing website ensures the correct content is posted in a timely manner and facilitates website change management activities.
DATA	
Accomplishment	Azure and Oracle cloud test instances
Value or Impact	In preparation for full enterprise approval, OIT has begun consolidating servers, reduce virtual machine storage capacity, and training staff on cloud services. These activities ensure OIT staff are prepared to migrate to cloud instances and manage those instances at "go live".
PROCESS IMPROVEMENT	
Accomplishment 1	CODA Budget Tracker
Value or Impact	A database-like online collaborative tool based in Coda.io for tracking OIT 400s purchases and 300s Purchase Orders. Provides means for tracking PORF process steps, subscriptions and other renewal-based purchases, as well as one-time purchases and POs for contractors, etc.
Accomplishment 2	IT Landscape Inventory
Value or Impact	IT Landscape Inventory v1.0 -- Coda.io-based collaborative tool for documenting and tracking changes to ENV solutions inventory items. Over 120 solutions currently documented, along with database and server information.
Accomplishment 3	Replaced access/excel based online tools with CODA collaborative tool
Value or Impact	ENV Mission-oriented business process improvements – replaced several onerous, time-intensive spreadsheets used by the Bureaus and programs with Coda.io-based collaborative tools that enable automated synchronization with the source data, easy updating and information sharing.
WORKFORCE	
Accomplishments	Two new hires and two promotions

Value or Impact	New hires are essential for reducing the agency's vacancy rate as well as ensuring OIT is staffed to meet existing agency demands. Internal promotions are essential for retaining key staff and providing staff a professional growth path.
CUSTOMER SERVICE	
Accomplishments	Processed $4.4M in online payments.
Value or Impact	NMED gladly supports online payments for license, permit, and inspection fees. Online payments reduce Financial Services Bureau's processing bank deposit activities as well as provides an added convenience for the regulated community.
TELEWORK	
Accomplishments	NMED OIT ensures an accessible yet secure virtual work environment for all staff members.
Value or Impact	Staff have the flexibility to complete the agency's mission critical work in the field, at home, or in the office. Morale is improved and productivity is increased.
SECURITY	
Accomplishments	Substantially improve security stance.
Value or Impact	NMED's cyber security score is 796 as of September 01, 2022, compared to the statewide average score of 762.

TABLE III.2: Other Key IT Accomplishments – FY22

IV. FY24 IT STRATEGIC GOALS AND STRATEGIES

STRATEGIC PRIORITY 1 – Application	
Goal Statement	
FY24 Strategy 1	Transform agency applications by replicating specific instances of custom developed applications automating the agency's core capabilities enterprise wide with the goal of reducing IT costs and improving efficiency;
Outcomes/Metrics	Custom develop License, Permitting, and Inspection applications for the Environmental Health Division, Resource Protection Division, and Water Protection Division.
FY24 Strategy 2	Automate ASD
Outcomes/Metrics	Develop custom automated workflows, with approval paths, for federal grant time reporting, purchase order creation, and hiring processes.

STRATEGIC PRIORITY 2 – Data	
Goal Statement	
FY24 Strategy 1	Transform agency data to cloud-based services
Outcomes/Metrics	Provide high quality data with 25% reduction over FY21 costing.
Outcomes/Metrics	Maintain a greater than 95% server uptime.

STRATEGIC PRIORITY 3 – Integration	
Goal Statement	
FY24 Strategy 1	Modernize agency integrations
Outcomes/Metrics	Transform 25% of FY22 virtual machine based applications and data hosting to containerized disaggregated hosting which will improve efficiency, scalability, and security.

STRATEGIC PRIORITY 4 – Infrastructure	
Goal Statement	
FY24 Strategy 1	Transform agency infrastructure

Outcomes/Metrics	Remove all non-essential instances of fixed telecommunications with the goal of reducing IT costs and enabling a truly mobile and virtual workforce.
Outcomes/Metrics	Upgrade bandwidth and wi-fi services at all remote locations with the goal of reducing IT costs and enabling a truly modern mobile workforce.

STRATEGIC PRIORITY 5 – Cyber Security	
Goal Statement	
FY24 Strategy 1	Transform agency cyber security by participating in a planned enterprise wide implementation of an Intrusion Detection and Prevention System (IDPS)
Outcomes/Metrics	Ensure the agency's applications, data, integration, and infrastructure are constantly monitored for breaches and respond to breaches in a timely and efficient manner which will substantially reduce cyber security risk and breach impact.

TABLE IV.1. **FY24 IT Strategic Goals and Strategies**

V. IT FISCAL AND BUDGET MANAGEMENT

A. Information Technology (IT) Operating Budget (C1)

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Information Technology Base Operating Budget					
Agency Name:	New Mexico Environment Department (NMENV)			**Agency Code:**	66700
	Base Request Operational Support of IT. Check one of the options below: ☒ Flat Budget or ☐ Expansion from previous year				
Revenue IT Base Budget (dollars in thousands)					
Appropriation Funding Type	**FY21 Actual**	**FY22 Actual**	**FY23 OpBud**	**FY24 Request**	**FY25 Estimate**
General Fund	1,676.9	1462.3	2003.9	2013.5	2013.5
Other State Funds	0.0	3.5	90.5	100.5	100.5
Internal Services Funds/ Interagency Transfers	3,104.2	3095.3	2679.3	2700.5	2700.5
Federal Funds	1,662.9	1629.7	1759.8	1850.0	1850.0
Total	6,444.0	6190.80	6399.5	6664.5	6664.5
Expenditure Categories (dollars in thousands)					
Category or Account Description	**FY21 Actual**	**FY22 Actual**	**FY23 Op Bud**	**FY24 Request**	**FY25 Estimate**
Personal Services & Employee Benefits	2842.5	2228.9	2805.6	2800.0	2800.0
Contractual & Professional Services	1085.5	1192	1122.6	1260.2	1260.2
IT Other Services	2516	2247	2471.3	2604.3	2604.3
Other Financing Uses	0.0	0.0	0	0.0	0.0
Total	6444.0	5667.9	6399.5	6664.5	6664.5

	Agency Cabinet Secretary/ Director (mandatory)	**Chief information Officer or IT Lead (mandatory)**	**Chief Finance Officer (mandatory)**
Print Name	James Kenney	Peter Street	Danielle Gilliam
Signature	DocuSigned by: James C. Kenney	Peter Street Digitally signed by Peter Street Date: 2022.08.31 21:56:41 -06'00'	DocuSigned by: Danielle Gilliam
Date	8/31/2022		8/31/2022
Phone	55675B6F3B62408... 505.470.6161	505.670.4494	BD8C44EB00D548E... 505.470.1704
Email Address	James.Kenney@state.nm.us	Peter.Street@state.nm.us	Danielle.Gilliam@state.nm.us

TABLE V.1: IT Operating Budget

VI. SPECIAL FUNDING, SUPPLEMENTAL, COMPUTER SYSTEM ENHANCEMENT (C2) FUNDING AND REAUTHORIZATION OF C2 APPROPRIATIONS

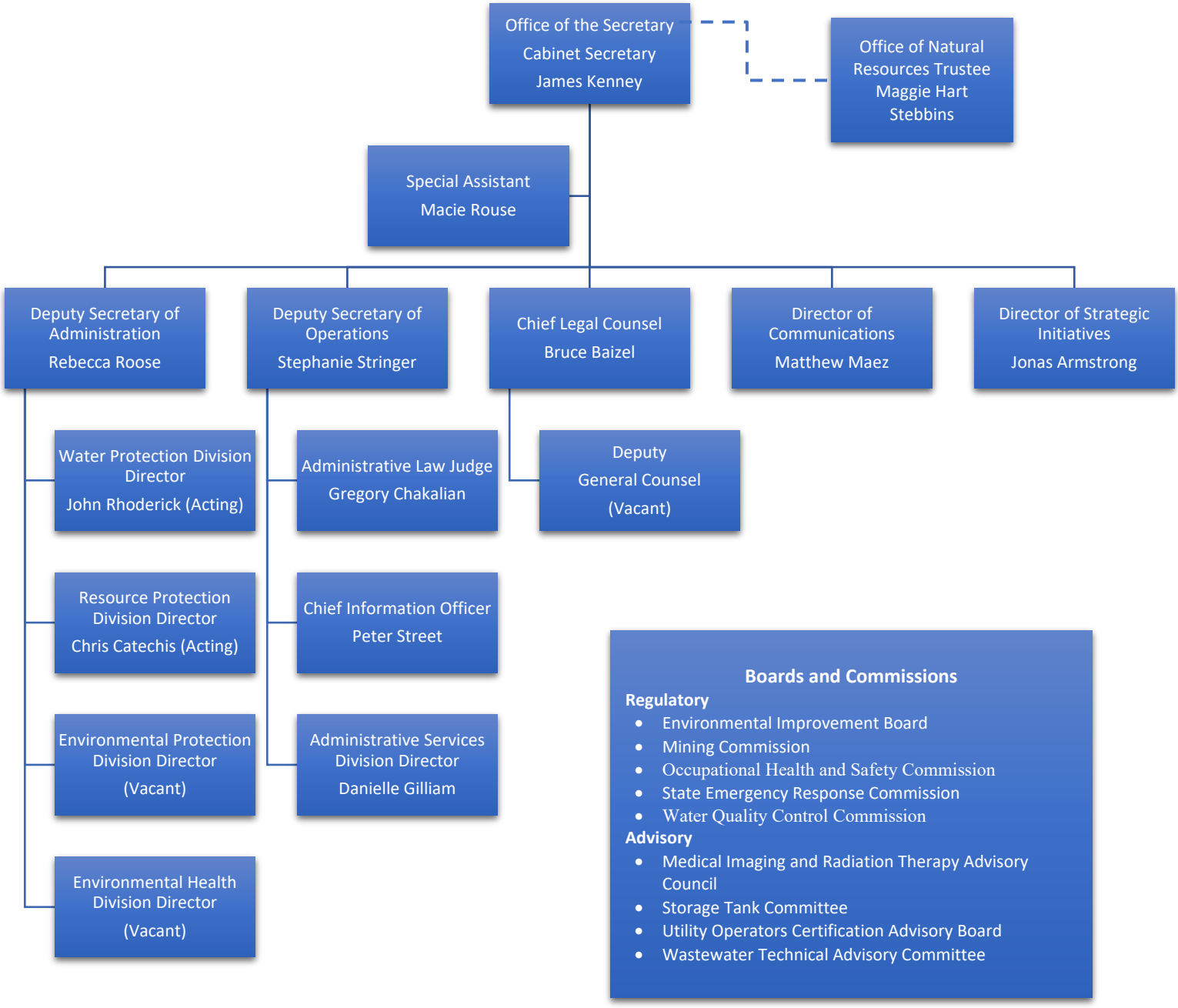
A. NMED is not requesting any special or supplemental funding.
B. NNED is requesting new C2 funding for ESMI Phase II in the amount of $1,600,00.
C. NMED is requesting reauthorization of ESMI Phase 1 Page 209 - Laws 2021, Chapter 137, Section 7 (32) in the amount of $1,098,800. for $1,581,000.

REQUEST FOR REAUTHORIZATION OF C2 APPROPRIATIONS

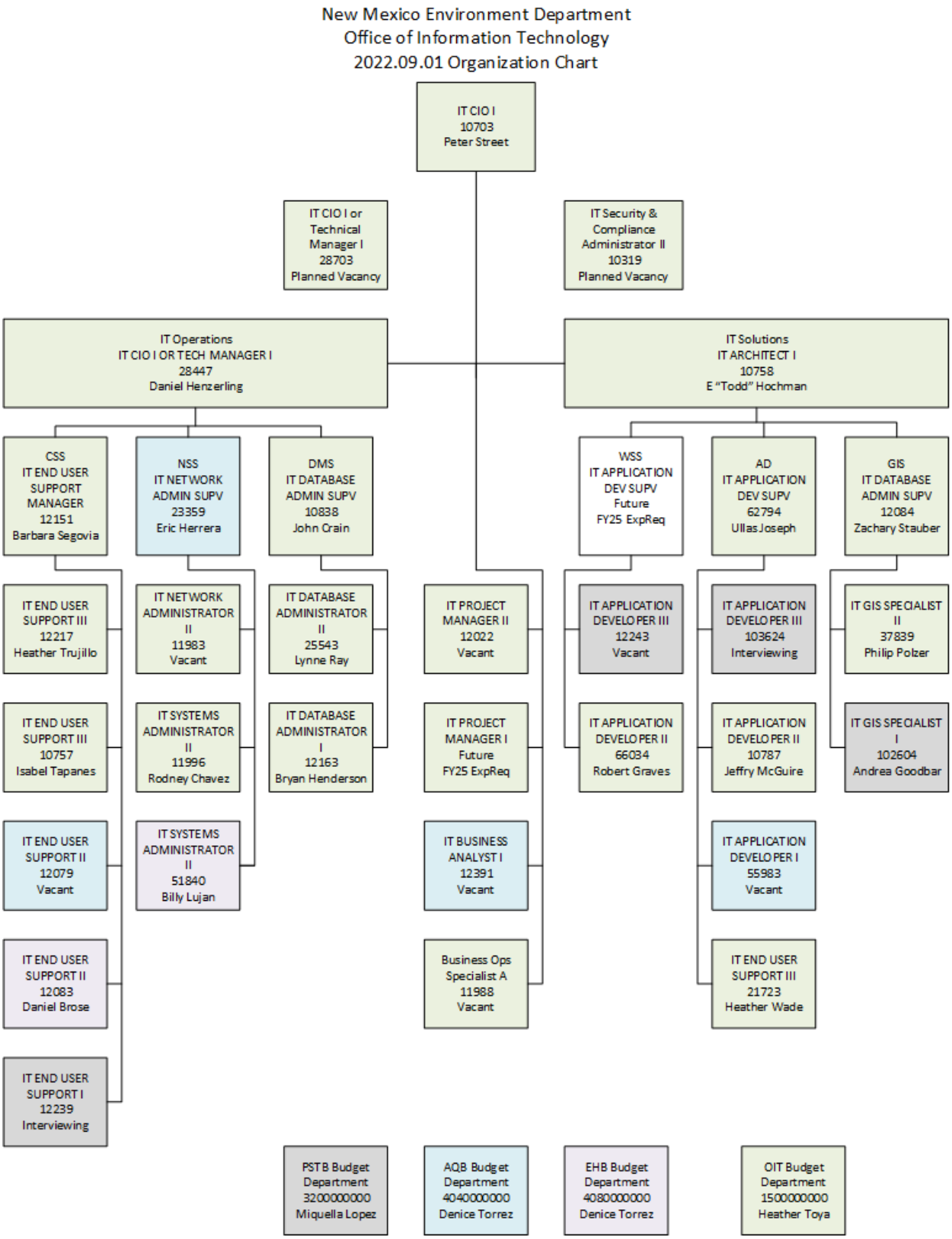
Information Technology Request for Reauthorization of C2 Appropriations				
Agency Name	New Mexico Environment Department	**Agency Code**	66700	
Lead Agency Name Listed on Appropriation	James Kenney Cabinet Secretary Peter Street CIO	**Project Name**	ESMI	
Source of Authorization (e.g., Laws 2022, Chapter 54, Section 7 (12) or Grant/Federal Fund #)			**Appropriation Amount (in thousands)**	**Remaining Balance (in thousands)**
Enterprise System Modernization Phase I Page 209 - Laws 2021, Chapter 137, Section 7 (32)			$1,580.6	$1,098.8
			0.0	0.0
			0.0	0.0
			0.0	0.0
			0.0	0.0
			0.0	0.0
Total amount appropriated for project life (in thousands)	$1,580.6	**Will the project be completed within the next fiscal year?**	☐ Yes ☒ No	
Reason for Requesting Reauthorization	Funds from previous authorization remain unspent.			

TABLE VI.1: Request for Reauthorization of C2 Appropriations

APPENDIX A-I: AGENCY ORGANIZATION CHART



APPENDIX A-II: IT ORGANIZATION CHART



APPENDIX A-III: C2 IT DATA PROCESSING CSEF

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C2: Information Technology
Data Processing - Computer Systems Enhancement Fund (CSEF)

Agency Name	Agency Code	Project Name		
New Mexico Environment Department	66700	ESMI		
Multi-Agency Project **Participating Agencies**		**Priority**	**Projected Start Date**	**Projected End Date**
No		1	4/1/2021	6/30/2026

Revenue Project Cost *(dollars in thousands)*					
Category or Account Description	**FY22 & Prev Actual**	**FY23 Budget**	**FY24 Request**	**FY25 Estimate**	**Total**
General Fund (CSEF)	1,580.6	0.0	1,600.0	0.0	3,180.6
Other State Funds *(*specify funds below)*	0.0	0.0	0.0	0.0	0.0
Federal Funds	0.0	0.0	0.0	0.0	0.0
Internal Svc Funds/Interagency Transfer	0.0	0.0	0.0	0.0	0.0
Total	**1,580.6**	**0.0**	**1,600.0**	**0.0**	**3,180.6**
***If Other State Funds, Specify Funding Source/Fund Name**					

Expenditure Categories *(dollars in thousands)*					
	FY22 & Prev Actual	**FY23 Budget**	**FY24 Request**	**FY25 Estimate**	**Total**
Personal Services & Employee Benefits	0.0	0.0	0.0	0.0	0.0
Professional Services	281.61	747.7	586.0	266.0	1,881.3
Travel/Lodging	0.0	0.0	0.0	0.0	0.0
IT Hardware	0.0	24.0	24.0	24.0	72.0
IT Software	177.3	350.0	350.0	350.0	1,227.3
Other	0.0	0.0	0.0	0.0	0.0
Total	**458.9**	**1,121.7**	**960.0**	**640.0**	**3,180.6**

	Signature	**Date**
Cabinet Secretary/Director	DocuSigned by:	8/31/2022
Chief Information Officer/Technology Lead	Peter Street 55675B8F3B82408...	Digitally signed by Peter Street Date: 2022.08.31 21:54:58 -06'00'
Budget Director	DocuSigned by: Danielle L Gallegos BD8C44EB00D548E...	8/31/2022