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BOARD OF PUBLIC UTILITIES ADDITIONAL MEETING DOCUMENTS

Additional or revised information or documents are often passed out to the Board at the meetings. Whenever possible, this informational cover page will accompany those documents.

MEETING DATE	November 17, 2021
AGENDA ITEM	4.G.1. UAMPS/NuScale Presentation by Dr. Jose Reyes 15001-21
DOCUMENT TITLE(S)	NuScale HTP2 [™] Update for Los Alamos County Utility Board
FROM	Steve Cummins, Deputy Utility Manager – Power Production
NEW OR REVISED?	New
Is this a revision that is different from what was in the agenda packet, or is it something entirely new?	
RECOMMENDED ACTION	N/A
If you have a new or revised recommended motion for the Board, enter it here.	
ADDITIONAL INFORMATION	Dr. Reyes' PowerPoint presentation was not available by the publication deadline for the BPU Meeting Packet (11/12/21).
Please VERY BRIEFLY explain the purpose of this information or document.	



Agenda

- Overview of NuScale Power Module and Plant
- Technology Validation
- Description of NuFuel-HTP2™
- NuFuel-HTP2TM Development and Testing
- US Nuclear Regulatory Commission Review of NuScale Fuel
- NuScale 250MWth uprate achieved with minimal design changes •



NuScale 6 Module Plant

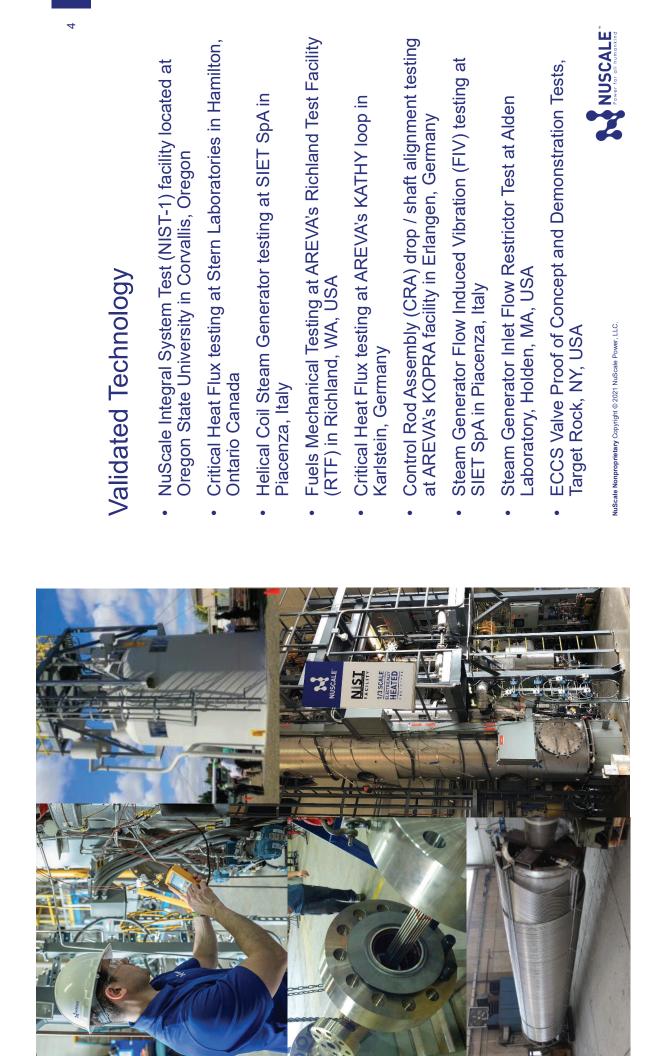
- 462 MWe gross power output
- Same operational flexibility and unparalleled safety case.
- Reduced footprint and construction complexity/duration.

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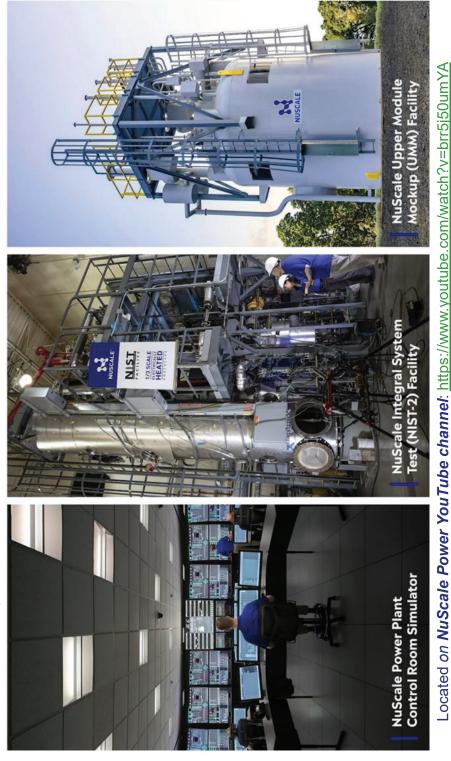
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NUSCALE "





NuScale Test Facility Virtual Tour

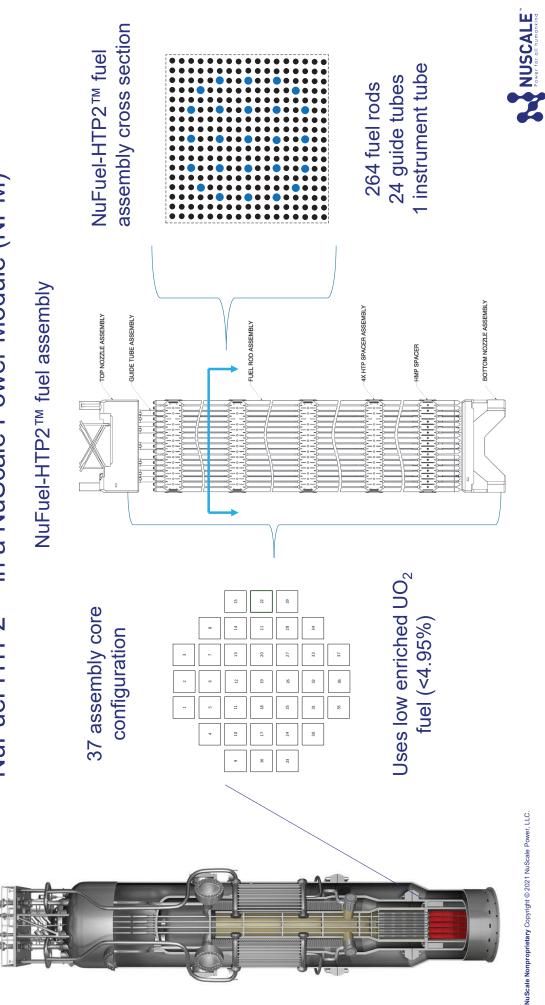


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NuFuel-HTP2TM Fuel Assemblies

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- Significant development and operational history with Framatome. •
- Supported by extensive, design-specific, mechanical and thermal hydraulic testing programs audited by the US Nuclear Regulatory Commission (NRC).
- Safety analyses performed with well-established, NRC approved, fuel performance computer codes. •
- NuScale fuel approved by NRC in the Chapter 4 of Final Safety Evaluation Report. •





NuFuel-HTP2TM Fuel Development

- NuFuel-HTP2TM is a shorter version (~ 6 ft heated length) of existing Framatome HTPTM fuel design (~12 ft heated length).
- NuFuel-HTP2TM assembly is based on the existing Framatome 17x17 Each component (grids, nozzles, fuel rods, pellet, cladding) in the HTPTM fuel assembly design.
- 20,000 Framatome 17x17 HTPTM assemblies have been deployed in 52 reactors supporting power generation in 11 countries.
- $M5^{\circ}$ clad fuel rods have been used in 84 reactors around the globe. M5[®] cladding is used in the NuFuel-HTP2TM. More than five million
- Several prototypic NuFuel HTP2TM fuel assemblies were manufactured and Framatome's standard suite of mechanical and hydraulic testing was conducted to characterize the fuel assembly to support US NRC licensing submittal.
- NuScale and Framatome have a definitive supply agreement for fabrication.





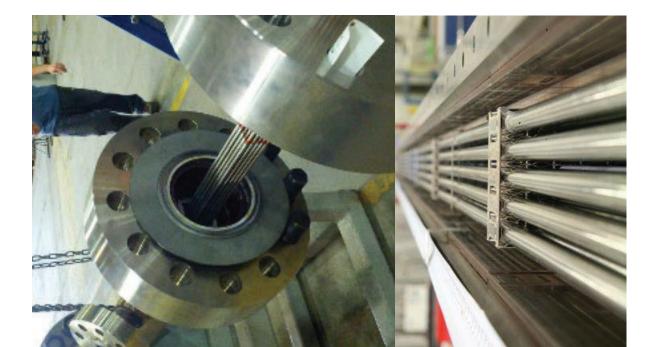


NuFuel-HTP2TM Fuel Mechanical Testing

- Fuel mechanical testing to validate mechanical performance of final fuel bundle design.
- Conducted at Framatome facility in Richland, WA
 - Test audited by NRC
- Included testing to characterize the mechanical response of the fuel assembly for seismic and loss of coolant loading.
- Axial Stiffness Testing
- Lateral Pluck Testing
- Lateral Stiffness Testing
 - Vertical Drop testing
- Life and Wear Testing
- 1,000-hour test to characterize the grid to rod fretting performance of the fuel.





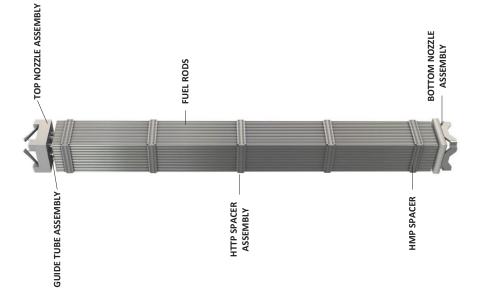


NuFuel-HTP2TM Fuel Thermal Hydraulic Testing

- Critical Heat Flux Tests (Stern Laboratory, Canada)
- Used low pressure drop full length 5x5 electrically heated fuel rod bundle at prototypic fluid and flow conditions.
- Test inspected by NRC.
- Critical Heat Flux Tests (Framatome, Karlstein, Germany)
- Prototypic Full scale 5x5 electrically heated assembly to simulate core thermal hydraulic performance. 0
 - Tests audited by NRC.
- Hydraulic Flow Testing (Framatome, Karlstein, Germany)
- Flow Lift Tests to measure lift characteristics.
- Pressure Drop Coefficient Testing.







NuFuel-HTP2TM - NRC Safety Evaluation Report (SER)

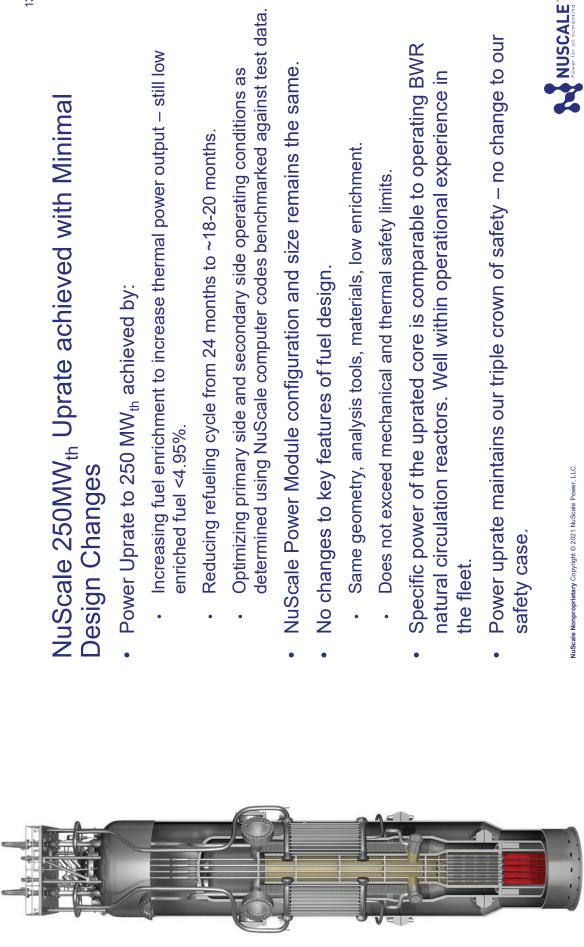
NUREG 800 Chapter 4.2 Fuel System Design SER Section 4.2.4.3.2 Testing, Inspection and Surveillance Plans states the following: The staff compared the NuScale fuel assembly components with the AREVA experience has been developed for the same components. The staff further (Framatome) operating experience applies to NuScale fuel assemblies. (Framatome) operating fleet; therefore, the staff finds that the AREVA notes that the NuScale plant operational parameters important to fuel (Framatome) operational fleet database and notes that significant behavior are not significantly different from those in the AREVA

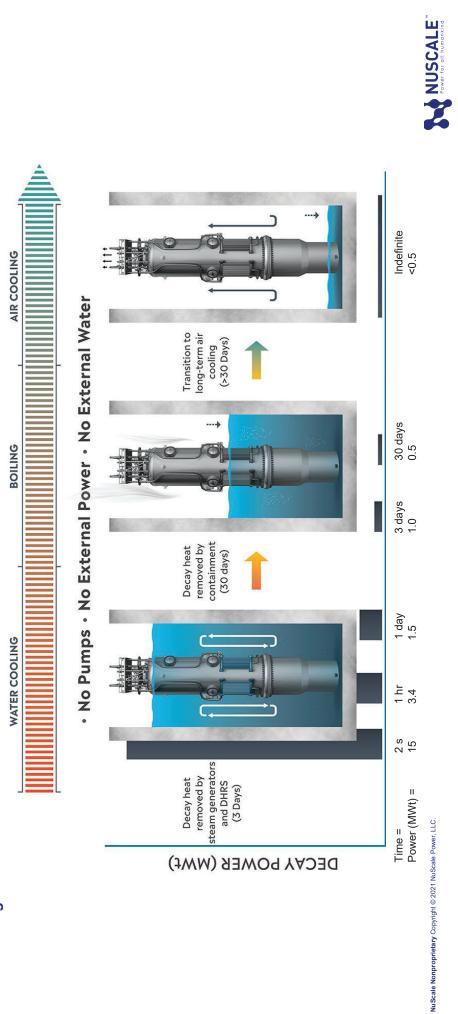
Link to NRC Safety Evaluation Report for Chapter 4.2 is as follows: https://www.nrc.gov/docs/ML2020/ML20205L411.pdf





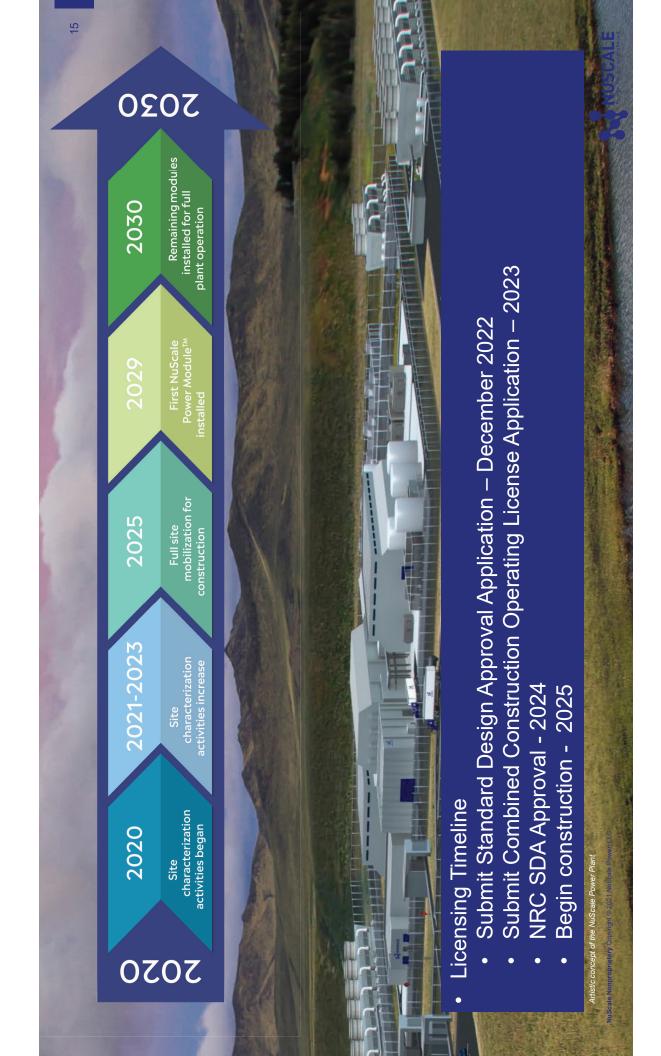
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The NuScale 250 MW $_{
m th}$ Module Maintains our Triple Crown of SafetyTM

Unlimited Coping Period – Reactor shuts down without Operator Action, without AC or DC power, and cooled for unlimited period without adding water



LET'S CHANGE THE POWER THAT CHANGES THE WORLD

L I S ALAM S

BOARD OF PUBLIC UTILITIES ADDITIONAL MEETING DOCUMENTS

Additional or revised information or documents are often passed out to the Board at the meetings. Whenever possible, this informational cover page will accompany those documents.

MEETING DATE	November 17, 2021
AGENDA ITEM	8.B. DPU Quarterly Report – FY22/Q1 14751-21
DOCUMENT TITLE(S)	Quarterly Performance Report, Fiscal Year 2022, Quarter 1
FROM	Philo Shelton, Utilities Manager Julie Williams-Hill, Public Relations Manager
NEW OR REVISED?	New
Is this a revision that is different from what was in the agenda packet, or is it something entirely new?	
RECOMMENDED ACTION	N/A
If you have a new or revised recommended motion for the Board, enter it here.	
ADDITIONAL INFORMATION	The final Quarterly Report was not available by the publication deadline for the BPU Meeting Packet (11/12/21).
Please VERY BRIEFLY explain the purpose of this information or document.	



Los Alamos Dept. of Public Utilities

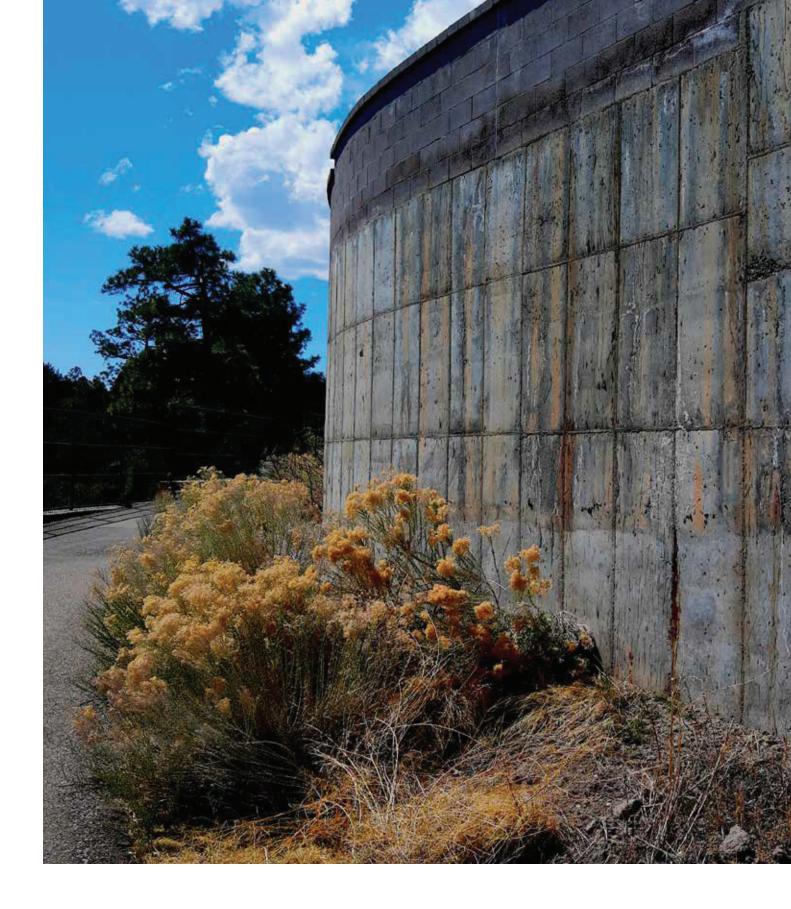
Quarterly Performance Report

FISCAL YEAR 2022

QUARTER 1

FISCAL YEAR 2022: Jul. 01 2021 - Jun. 30 2022

> QUARTER 1 Jul. 01 - Sep. 30, 2021 Issued: Nov. 17, 2021

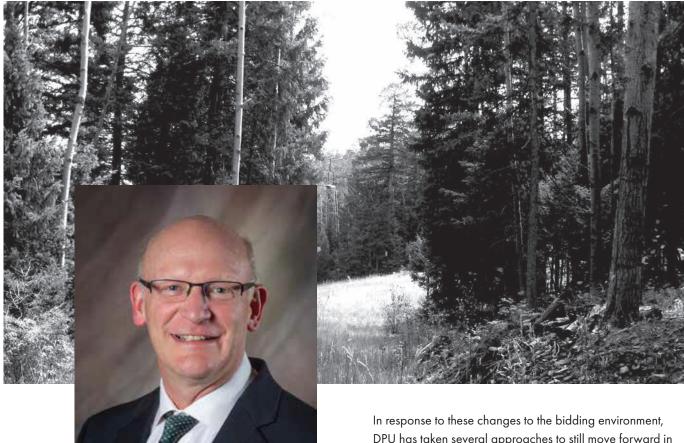






- 4 // A WORD FROM THE UTILITIES MANAGER //
- 6 // ABOUT THE DEPARTMENT OF PUBLIC UTILITIES //
- % // The board of public utilities //
- 10 // SAFETY CULTURE //
- 12 // ELECTRIC DISTRIBUTION DIVISION //
- 16 // ELECTRIC PRODUCTION DIVISION //
- 20 // GAS, WATER AND SEWER DIVISION //
- 24 // ENGINEERING DIVISION //
- 32 // SUSTAINABILITY//
- 34 // NATURAL GAS "PASS-THROUGH" RATES //
- 36 // FINANCE AND ADMINISTRATION DIVISION //
- 44 // FINANCIAL OPERATIONS REPORT //
- 48 // CONSUMPTION REPORT //

A WORD FROM THE UTILITIES MANAGER



PHILO S. SHELTON, III

After entering the second year of the COVID-19 pandemic, DPU's construction projects are experiencing significant increases in bid costs from 50 to 100 percent above original estimates. There are numerous reasons for these cost increases, however, the main reasons are disruption in construction supply chains and limited availability in construction labor. Furthermore, severe weather events (hurricanes and flooding) have caused manufacturing disruptions and material cost increases are reported by our vendors from cost increases for energy, steel, aluminum, copper, electrical equipment, wood, pipe, and pipe appurtenances. DPU has taken several approaches to still move forward in completing necessary capital projects by using alternate project delivery approach, seeking additional funding, and seeking financing for projects and refinancing existing loans at one percent interest rates to free up additional capital funds. By way of example for alternate project delivery approach, no bids were received for the El Vado Transformer Replacement Project due to the transformer order and delivery time frame was a year away. The two contractors who were interested in the project both indicated they did not want to tie up their capital awaiting delivery of this transformer, and both declined to bid on the project. In learning this detail from our contractors, staff is now soliciting bids to purchase the transformer directly from the manufacturer and then next year will go out for bids to install this transformer. For the One-Million-Gallon Bayo Storage Tank, after receiving bids that were more than twice the engineer's estimate, staff has split the project into two phases with the first phase preparing the site and construct the yard

5



piping for the tank as part of a modified scope of work in using the existing loan grant agreement and then proposed a second phase to seek additional loan/grant funding from Water Conservation Trust Board to construct the steel tank. While this approach has delayed the project some, it has allowed for a phased funding approach to still deliver this much needed reclaimed water storage. For other projects, staff has been able to seek loans at one percent interest rate for Otowi Well #2, Well Motor Control Center upgrades, and Repaint Barranca Mesa Tank II, as well as refinance the existing loan for the Los Alamos Wastewater Treatment Plant under the same repayment terms at one percent interest. Finally, the White Rock Water Resource Recovery Plant will require a budget increase from \$17 million to \$30 million to design and construct this project. Over this next quarter DPU staff will be working to increase the principal of this loan to \$30 million.

In seeking additional funding, staff has attended several meetings regarding availability and appropriate use of the County's American Rescue Plan Act (ARPA) funds. The County has been allotted \$3,762,201 and has received half of its allotment in the amount of \$1,881,100.50. The remaining half is anticipated to be received in May of 2022. ARPA funds are intended to be used over a longer term than CARES Act Funds, with an expansion of eligible uses and much more stringent reporting requirements of demographic and other statistical data. Water and sewer projects developed after March 1, 2021, and projects cleared by the New Mexico Environment Department qualify for these funds. DPU staff has worked with County staff and County Council to seek a portion of Los Alamos County's ARPA funds for eligible water and sewer projects. On August 31 st County Council set aside 25 to 30 percent of these funds to be used by DPU to help offset cost increases that DPU are experiencing with their elevated bids. This direction by Council will result in approximately \$1 million in relief to DPU's rate payers. Staff will continue to seek grant funding and design projects to be shovel ready should additional federal and state grant funding be made available.

Infrastructure and Capital Improvement Plan (ICIP) to the State by mid-September. Generally, a project must appear on this ICIP list if the County expects to have any State funding considered for that project. While listing a project in the ICIP does not guarantee funding from the State, the top five projects for next year are given extra consideration by our state legislators for legislative grants. DPU Staff worked with the County Manager's Office and other departments to identify priority projects that meet both Board of Public Utilities and County Council goals. The State Route 4 Water Production Water Line was prioritized as the first project because of the partnership opportunity to construct this waterline in conjunction with NMDOT rebuilding State Road 4 from Truck Route to Rover Blvd. Also, infrastructure projects were included in the top five project list with North Mesa Affordable Housing Infrastructure (LAC/Schools) at third, and DP Road Commercial Development Infrastructure & Road Construction at fourth on the County's ICIP list.

In Conclusion, while DPU has taken advantage of additional funding from ARPA, grants, and favorable loan rates at one percent, it is not a sustainable long-term strategy. For example, for every \$1 million dollars in loans, it requires six cents per thousand gallon in water rates to support that loan repayment. Based on the capital expenditure needs and inflated bids, DPU will need to propose modest rate increases for water, sewer, and electric utilities. The anticipated sewer rate increase is two percent per year over the next four years to support repayment of the loan for the White Rock Water Resource Recovery Plant. The water and electric rate increases will be proposed in next fiscal year's budget development. Finally, the commodity prices for natural gas have not been immune to cost increases and these increased costs are presently being passed through each month to our customers. In response, DPU Staff have issued press releases to notify our customers that natural gas commodity costs rising this year and has offered some suggestions on how to conserve energy to help lessen the monthly bill.

Every year the County is required to prepare and submit an

ABOUT THE DEPARTMENT OF PUBLIC UTILITIES

The Department of Public Utilities is county-owned. It provides Los Alamos County with electric, natural gas, water and wastewater services. Established under Article 5 of the 1968 Charter for the Incorporated County of Los Alamos, the DPU falls under the jurisdiction of the Board of Public Utilities. Serving a population of 19,419 citizens with an authorized budget of approximately \$80 million, DPU operates and maintains assets totaling \$219 million with 92 employees. Because of the unique topography, these assets are incredibly complex for the population served. For example, Santa Fe's 83,000 citizens are served by four lift stations, while our 19,419 citizens require 27 lift stations.



7

FOCUS ON IMPROVEMENT

EVERY YEAR THE DEPARTMENT HOLDS A STRATEGIC PLANNING MEETING WITH INPUT FROM THE BOARD OF PUBLIC UTILITIES. THE LAST MEETING OCCURRED IN SEPTEMBER 2021. SLIGHT REVISIONS WERE MADE TO THE GOALS AND OBJECTIVES. THESE WERE LATER ADOPTED BY THE BOARD ON SEPTEMBER 15, 2021

MISSION

Provide safe and reliable utility services in an economically and environmentally sustainable fashion.

VISION

Be a high-performing utility matched to our community, contributing to its future with diversified and innovative utility solutions.

WE VALUE

- CUSTOMERS by being service oriented and fiscally responsible
- EMPLOYEES and PARTNERSHIPS by being a safe, ethical and professional organization that encourages continuous learning
- ENVIRONMENT and NATURAL RESOURCES through innovative solutions
- COMMUNITY by being communicative, organized and transparent.

FOCUS, GOALS & OBJECTIVES

OPERATIONS & PERFORMANCE

GOAL: Provide safe and reliable utility services:

- Deliver efficient, safe and reliable water, gas, sewer, electric production, and electric distribution utilities.
- Implement and maintain efficient, secure and reliable business systems.

- Ensure accurate, safe and secure utility control and mapping systems and processes.
- Develop a culture of continuous improvement.

FINANCIAL PERFORMANCE

GOAL: Achieve and maintain excellence in financial performance

- Utilize revenues to provide a high level of service while keeping rates competitive with similar utilities.
- Conduct cost of service studies for each utility at least every 5 years.
- Meet financial plan targets by 2025, water by 2028.
- Achieve workplans while operating within budget.

CUSTOMERS & COMMUNITY

GOAL: Be a customer service-oriented organization that is communicative, efficient, and transparent.

- Ensure customer service processes and systems are efficient, secure and user-friendly
- Engage and inform stakeholders about Utilities operations affecting the community.
- Educate Board Members on markets, contracts, and production options for electricity and solar.

ENVIRONMENTAL SUSTAINABILITY

GOAL: Achieve environmental sustainability.

- Be a carbon neutral electric provider by 2040.
- Promote electric efficiency through targeted electric conservation programs.
- Reduce potable water use by 12% per capita per day by 2030 using a 2020 calendar year-end baseline.
- Reduce natural gas usage by 5% per capita per heating degree day by 2030 using a 2020 calendar year-end baseline and support elimination of natural gas usage by 2070.
- Provide class 1A effluent water in Los Alamos County

PARTNERSHIPS

GOAL: Develop and strengthen partnerships with stakeholders.

 Communicate with stakeholders to strengthen existing partnerships and identify new potential mutually beneficial partnering opportunities.



Consisting of five voting members and appointed by the Los Alamos County Council, the Board of Public Utilities is the governing body for the department. Members reside in Los Alamos and are customers of the department. Calendars, policies and procedures, agendas,minutes and videos of meetings are available at https://ladpu.com/BPU.

9

BOARD OF PUBLIC UTILITIES

.1/

CORNELL WRIGHT Chair



.4/

STEVE TOBIN Member



.2/

STEPHEN MCLIN Vice Chair



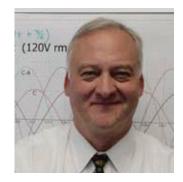
.5/

CARRIE WALKER Member



.3/

ERIC STROMBERG Member



Meetings

BOARD OF PUBLIC UTILITIES

The board meets on the third Wednesday of each month at 5:30 p.m. in Council Chambers,1000 Central,Los Alamos, NM. During the COVID pandemic, however, meetings are held via the ZOOM platform. Watch the meetings streamed online at: ladpu.com/BPUliveproceedings

SAFETY

Reasons for focusing on a safe work environment

go without saying, to protect our most valuable resource: people (employees and customers). Further a focus on safety is proven to improve productivity, quality of product, and even the financial position.

Safety Culture Vision

DPU seeks to create a safety culture where employees practice safety every hour on the job, while no one is watching, because employees want to and not because employees have to. To create this safety culture, DPU employees believe in:

- Putting safety first
- Leading by example
- Establishing and enforcing a high standard of work performance
- Briefing or tailgating before every job
- Making work and safety suggestions.

Safety Committee

DPU employees representing each utility division comprise the 13-person Safety Committee. They hold a committee meeting quarterly to review and share best practices. They also analyze accidents, incidents and near misses and discuss and implement appropriate prevention measures.

Each member of the Safety Committee is responsible for discussing the accident, incident or near miss with the rest of the staff at the next available weekly group meeting and share agreed upon prevention measures.

Safety Employee

The Safety Employee of the Quarter program was developed by the safety committee with an intent to reward those who most clearly and effectively demonstrate DPU's safety culture vision.

Each quarter all DPU employees nominate fellow employees who exemplify the safety culture vision. A review of the nominee applications is conducted and voted on by the safety committee members and forwarded to DPU's senior management team for concurrence. The selected employee is recognized and earns an additional day of administrative leave.

SAFETY EMPLOYEE OF THE QUARTER

qtr1/fy22

CHARLES LOPEZ Trainee Wastewater Treatment Division



qtr2/fy21

JULIE WILLIAMS-HILL Public Relations Manager Administration



qtr4/fy21

JUSTIN LUJAN Senior Pipe Fitter Gas, Water & Sewer Division



qtr1/fy21

TIMOTEO MARTINEZ Electric linemen Electric Distribution Division



qtr3/ y21

DAVID RODRIGUEZ Senior Pipe Fitter Gas, Water & Sewer Division



qtr4/fy20

WAYNE VALDEZ Electric Linemen Electric Distribution Division



NEWEST SAFETY EMPLOYEE OF THE QUARTER: Congratulations to Charles "Charlie" Lopez, a trainee currently assigned to the wastewater treatment facility. According to his co-worker, he exemplifies safety every day. She shared an observation to illustrate her point, "Before going in to check the diffusers, [Charlie] made sure all valves going into the basin were closed and LOTO'd. He made sure the ladder was tied off properly. Finally, he wore all the proper PPE: harness, gloves, safety glasses, hard hat and steel toe boots. It was impressive to see him make sure everything was in a safe state and that he was too before jumping in to do this job."

ELECTRIC DISTRIBUTION DIVISION



STEPHEN MAREZ ELECTRICAL ENGINEERNG MGR

During quarter 1, punch list items were completed by the DPU electric crews on the New Mexico Department of Transportation project to rehabilitate NM 502 and construct a round-about.

Electric engineering staff worked with customers at the Gold Street Apartments to install electric master meters on all buildings. Staff also coordinated with the apartment owner to add a 25-kilowatt photovoltaic system at the complex. DPU's pole testing contractor is progressing through the County's electric distribution grid and the transmission lines at Abiquiu and El Vado hydroelectric facilities. Specifically, they are testing wooden poles for integrity and strength. Preventative maintenance is implemented immediately on all compromised poles. This includes reinforcing poles with braces and, if appropriate, adding fumigants to stop internal decay. Work concluded this past September.

Crews with Utility Meter Solutions (UMS) finished installing residential electric smart meters, as part of the Advanced Metering Infrastructure project. Remaining residential meters are those that have been stuccoed into the home and can't be removed or are located behind locked gates and coordination with the customer was not able to occur.

The delivery of commercial electric smart meters are slowly trickling in. Upon receipt, the Department's electric linemen test and install the new meters for commercial customers. Construction development is underway on upper Confianza



Street, which is phase two of the Mirador subdivision in White Rock. Electric line crews are installing conductors, transformers, and meters to service the new subdivision.

DPU's Los Alamos Substation Switchgear (LASS) project has been on hold until the Los Alamos National Laboratory (LANL) was able to complete its replacement Technical Area 3 Substation. This October, LANL energized its new TA3 Substation, however, due to unplanned equipment failures associated with the project, the entire Los Alamos townsite lost electricity twice - October 14th power was lost for approximately ten minutes, and again on October 22nd power was lost for approximately two hours.

DPU staff is coordinating with LANL to transfer the townsite electric supply feeders in December to the new TA3 substation on LANL property. No interruption of power is anticipated. When completed and the new DPU LASS substation is energized, the townsite will have a second source of power to introduce redundancy and improve reliability.

Engineering staff is designing FY22 capital improvement projects as defined in the last condition assessment. The supply chain for all materials is strained. Products that typically arrived in four weeks are now arriving in 20 weeks. Engineering is working with Procurement to order materials in advance to prevent material shortages. The high number of projects within the county is putting a strain on supplies needed for new developments.

To support the electric reliability of Connie and Cheryl neighborhoods, staff has prioritized a project to replace the electric primary cable and switches on Aragon Street in White Rock. Weather permitting, this work will begin in November. Unfortunately, the electric distribution division lost a valuable friend and co-worker. Richard Valdez, an electric linemen with the department for ten years passed away on October



Richard Valdez, an electric lineman with the DPU, a husband, father, son, and good friend to many, passed away on October 24, 2021.

24. Richard is remembered as having a warm heart, a huge smile and a twinkle in his eye. He will be greatly missed by all. The department sends its condolences to his family.

Another employee, Alan Horton, an engineering associate, has resigned with the county to pursue his passion in geology. Alan will leave Los Alamos in November to begin work in Greenland and Antarctica. We wish Alan the best.

Electric engineering continues to support work on designs and specifications for several projects:

- Connie/ Cheryl Primary Replacement-Proceeding
- Totavi Primary Replacement- Design complete- pending approval
 - La Senda Primary Replacement In design
- DP Road Phase 2 Full utility replacement
 In Design
 - Starbucks on Trinity- In construction
 - Marriot Hotel & Convention Center-

Design Finalized

- White Rock water resource recovery facility- electric transformer installation complete
- The White Rock effluent water booster station- Electric installations in construction
- The Canyon Rim Trail Underpass Project- Electric installations complete
- The Hills Apts Design Finalized Materials procured
- Arkansas Place Apts Suspended
- Canyon Walk Apts- In construction, one bldg remaining to compete
- Canyon Walk Apts. Off-site development- complete
- The Bluffs Apts- In construction
- El Vado Hydro Electric transformer project- Out to bid
- Credit Union Complete
- Pet Pangea- In design
- Aquatic Center Leisure Lagoon- Complete

System Average Interruption Duration Index

As a reliability indicator, DPU measures its System Average Interruption Duration Index (SAIDI). This is a formula to determine the annual average time that a DPU customer could expect to be without power. According to the Energy Information Administration (EIA), the mean SAIDI in 2019 was 132 minutes without major events and 267 minutes with major events for 809 utilities across the nation (excluding U.S. territories). This information is available on the EIA website -

https://www.eia.gov/electricity/data/eia861/. DPU set a goal in 2008 to reduce its SAIDI to below 60 minutes (including major events). At the end of quarter 1, FY2022 DPU's SAIDI rose to 71 minutes which includes major events. This is above the DPU 60-minute goal and well below the 2019 National mean SAIDI of 267 minutes.

QUARTER ONE DPU RESULTS

As of September 30, DPU's rolling 12-month SAIDI results for quarter 1 were 71 minutes in FY 2022; 54 minutes in FY 2021; and 46 minutes in FY 2020.



Reliability reports issued by the Energy Information Administration* demonstrate that DPU's SAIDI is lower than the average of combined New Mexico utilities (includes New Mexico cooperatives, investor- and municipalowned utilities) and lower than the average of combined U.S. utilities. Note that the EIA will release Dec. 2020 SAIDI data in Oct. 2021. *EIA website - https://www.eia.gov/electricity/data/eia861/

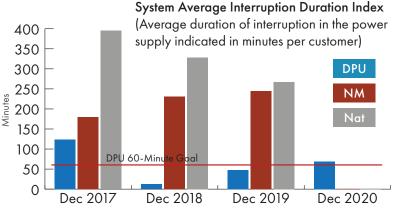
DPU SAIDI / 2018 - Present

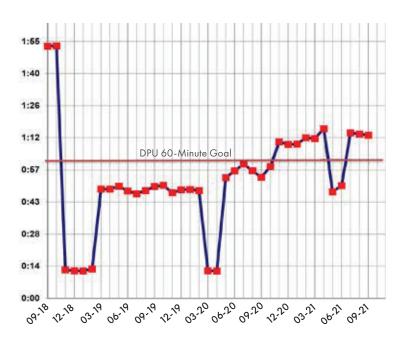
DPU records its SAIDI each month (the rolling 12 month average), and includes major events. In November 2017 DPU experienced a major event when the incoming transmission line from Los Alamos National Laboratory was lost and the townsite lost power, negatively impacting DPU's SAIDI. This event carried over for 12 months until November 2018.

30 FY22 71 min









Distributed Generation

Unlike conventional power generating stations that are centralized and require transmission lines, distributed generation resources are decentralized and close to the load, such as rooftop solar systems. In addition to the utility-scale solar array on the landfill, Los Alamos has several commercial and residential customers who have opted to install small solar or photovoltaic distributed generation systems.

Total Distributed Generation

As of the end of quarter 1, distributed generation resources total 3,040 kilowatts connected to the distribution grid.

- Residential systems total 1,356 kilowatts, and
- Commercial systems total 1,683 kilowatts.

New Distributed Generation

143 kilowatts of distributed generation were added to DPU's electric distribution grid during quarter 1.

Pending Distributed Generation

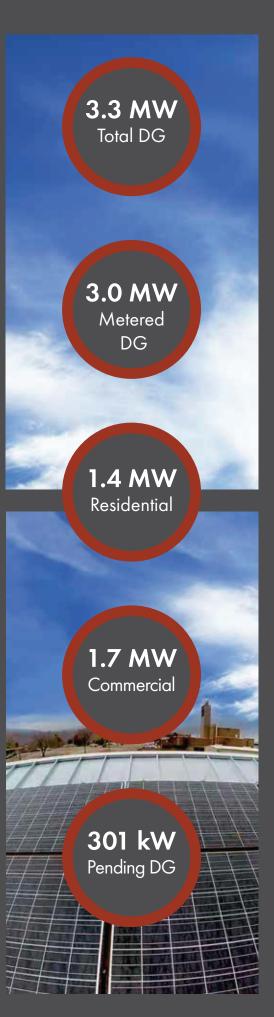
Currently customers are in the process of adding another 301 kilowatts of distributed generation to DPU's electric grid.

CARBON-NEUTRAL ELECTRICAL ENERGY PROVIDER

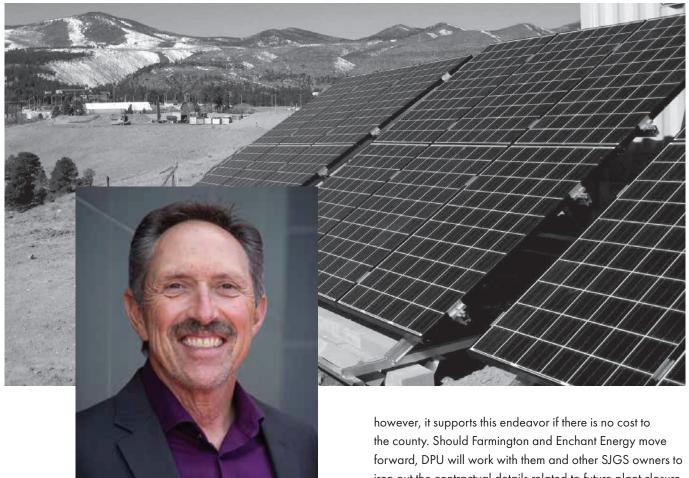
On January 20, 2016, the Board of Public Utilities adopted the following: The Department of Public Utilities will be a carbon-neutral electrical energy provider when the electricity distributed to Los Alamos County consumers is generated or purchased from sources that in their normal operation cause no net release of carbon dioxide to the atmosphere.

- "Los Alamos County customers" means those customers scheduled in the Los Alamos County Code of Ordinances Section 40-121; this does not include DOE/LANL.
- "No net release of carbon dioxide" means that purchases or generation of carbon-based electrical energy, necessary when carbon-free supplies are not practically available to supply Los Alamos County consumers, will be fully offset from previous sales of surplus carbon-free electricity to other entities.





ELECTRIC PRODUCTION



STEVE CUMMINS DEPUTY UTILITY MANAGER

City of Farmington/Enchant Energy **Carbon Sequestration Project Proposal**

DPU staff continues to work with the other San Juan Generating Station (SJGS) owners on the potential shut down of the Station on June 30, 2022. DPU was notified by the City of Farmington that it is pursuing along with Enchant Energy, a carbon sequestration project that would allow the SJGS to remain open beyond the 2022 Agreement expiration date. DPU notified the parties that Los Alamos County will be exiting the facility in 2022 as planned,

iron out the contractual details related to future plant closure obligations.

On July 19, 2021, the City of Farmington presented an update on the San Juan carbon capture project. The frontend engineering and design study has been delayed until later this year. Enchant is withdrawing its early access agreement request and has adjusted its schedule to reflect construction upon ownership transfer. If the project is successful, the commercial operation date is in December 2024 with full carbon capture operations achieved by June 30, 2025. The parties agreed to draft a term sheet with a break-up fee to recognize the efforts of negotiating with the City of Farmington and Enchant Energy. On a parallel path, the parties initiated a final decommissioning study in the event both parties cannot reach an equitable agreement. The study should be completed by May 2022.



San Juan Generating Station Coal Supply

Plaguing the mining operation all quarter are geological issues association with the San Juan Mine. A soft floor and cavities in the roof and face have prevented longwall mining. The mining company Westmoreland, completed activities to "glue" the face and ceiling, as well as realign the longwall from the sinking floor. With longwall operations stalled, the inventory of coal is significantly reduced and discussions are underway as to whether a planned outage will be necessary. Westmoreland and the SJGS owners are optimistic that the plan to realign the longwall and glue the face and ceiling will be successful.

Hydroelectric Facilities

Staff continues to perform recurring maintenance as scheduled and support the DPU planned capital projects.

Recently, employees issued a request for bids to purchase and install a replacement transformer at the El Vado hydroelectric facility. No bids were received. DPU's consultant sought feedback from a potential bidder as to why it chose not to respond. The contractor reported that a large transformer requires a significant deposit upon ordering. With the lead time upwards of a year, the bidders were not willing to front the deposit. Based on this feedback, DPU staff worked with the County Procurement office to advertise a request for proposals covering a direct purchase of the transformer, and subsequently re-issue a request for bids for a contractor to install the County-supplied transformer.

Installation of the new transformer will be scheduled when the delivery time is known. If possible, staff will attempt to align this work to occur when the hydroelectric facility is taken off-line for the repair of the El Vado dam face by the Bureau of Reclamation.

The painting contractor completed the work at Abiquiu and El Vado. Warranty repair work to address limited areas of coating adhesion failure are planned for the fourth quarter.

One-megawatt Solar Array/Landfill

An inverter failed at the one-megawatt solar array on the

Los Alamos landfill, taking 400 kilowatts off-line. Staff received one bid after the project was advertised a second time. The agreement with the successful bidder repair the facility was approved at the April Board of Public Utilities' meeting. Project delays related to supply chain interruptions, have pushed the date to return of the 400 kW of PV panels to service to the 2nd quarter of fiscal year 2022.

DPU worked with the County Procurement office to issue a request for proposals to decommission the sodium-sulfur and lead-acid Battery Energy Storage System (BESS) in total or in parts depending on the labor and disposal costs and salvage values offered for the various pieces of equipment. Four bids were received. The county was finalizing an agreement with one of the bidders, when the County Attorney's office notified procurement that per the the County's disposal policy an appraisal is required and that this step was inadvertently omitted. Accordingly, the procurement process was terminated.

The procurement office recently obtained an appraisal of the lead acid battery system and is in the process of acquiring an appraisal for the sodium-sulfur battery system. After the appraisal process is complete, the procurement office will issue a new request for proposals.

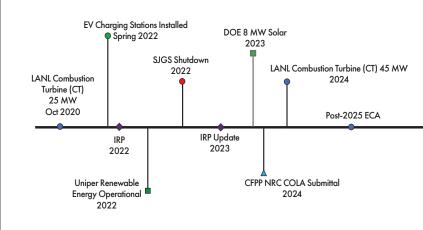
Energy Imbalance Market (EIM)

The Public Service Company of New Mexico (PNM) went live operating in the California Independent System Operator Energy Imbalance Market (EIM) on April 1, 2021.

Scheduling software was updated to push forecasted generation and load information to PNM. DPU has welcomed Yvonne Quintana to the Electric Production team. She is currently training to fulfill recurring EIM-related responsibilities. Power Operations is in the process of analyzing and gathering data to help discern new patterns for the market and available energy.

INITIATIVES FOR FUTURE ENERGY RESOURCES

The Future Energy Resources Committee (an ad hoc citizen committee) prepared a July 2015 report to recommend future energy generation resources for Los Alamos County to meet a goal to be a carbon neutral electric provider by 2040. The Board of Public Utilities adopted most of the recommendations in January and March 2016. DPU's plan to implement the BPU adopted policies are described here.



Electric Vehicle Charging Stations

On September 18, 2020, DPU received a signed Project Agreement from the New Mexico Environment Department (NMED) formalizing two grants for electric vehicle charging stations. The grants provide \$63,800 for the construction and operation of one direct current fast charger at the White Rock Visitor Center parking lot and \$71,800 for the construction and operation of one direct current fast charger at the Los Alamos County Municipal Building parking lot. The Electric Production division has budgeted an additional \$150,000 for the installation of electric vehicle chargers; approximately \$50,000 for grant matching on the two fast chargers, and \$100,000 for the construction and operation of additional level-two chargers subject to Board and Council approval. Procurement advertised a request for proposals on September 3, 2021. Selection and award are planned to be completed in the second quarter.

Carbon Free Power Project

Through DPU's membership with the Utah Associated Municipal Power Systems (UAMPS), DPU is participating in the Carbon Free Power Project (CFPP) as a generation resource option. The CFPP is a planned 462 MW (gross electric capacity) nuclear generating station to be built in Idaho using small modular reactor (SMR) technology.

Last July, the Council approved DPU's continued participation in the CFPP project through the remaining phase 1 - completing the Combined Operating License Application (COLA). The next off ramp is scheduled for September 2022, with no additional cost beyond the previously committed \$1.26 million. The primary goal is to increase the subscription in the project from utilities outside of UAMPS who have expressed interest but have not signed a power sales contract. NuScale (developer of the small modular reactors) continues to work on a project cost estimates for a six-module plant, with the goal of achieving a Levelized cost of Energy (LCOE) of \$58/MWh with full subscription. The first subscribers in the project will have an opportunity to increase their subscription prior to the remaining capacity being committed to other utilities. Site work continues at the Idaho National Laboratory site to develop the COLA.

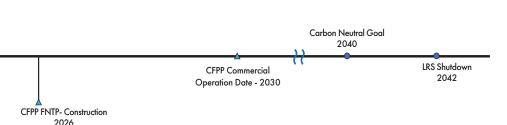
Utility-Scale Renewable Projects

In January 2020, the Board and Council approved a Power and Renewable Energy Credit Sales Agreement with Uniper Global Commodities North America, LLC. The contract quantity is a firm 15 MW's Around the Clock (ATC) Power Purchase Agreement (PPA). It is a take-or-pay PPA for a 15-year term with no escalator. Under the agreement, renewable energy will be sourced from two power-generation facilities now under construction in New Mexico. Solar power will be supplied from a project in northwest San Juan County with wind power coming from a generation center in central New Mexico. DPU expects to begin taking power from this contract on January 1, 2022, just prior to DPU exiting the SJGS in June 2022. The new transmission line for the wind development is nearing completion and we are anxiously anticipating scheduling testing energy.

Electric Coordination Agreement (ECA), Current Term

Staff is considering energy resource replacements for the San Juan Generating Station. The Power Pool has to supply energy for the remaining 3 years of the





FUTURE ENERGY TIMELINE

current contract. One of the first steps to ensure power operations is, at the very least, replace San Juan's energy output. Staff is discussing a 25MW Purchase Power Agreement that will leverage the over production from the Uniper deal previously mentioned. In addition to straight San Juan Replacement, Power Ops is working on meeting the planned load increase in the remaining three years.

Electric Coordination Agreement (ECA), Post 2025

Staff continues to negotiate with DOE-NNSA on a post 2025 ECA. Both parties are meeting monthly with the goal of having a tentative agreement by June 2023. Staff is supporting DOE-NNSA efforts on updating their Interagency Agreement with Western Area Power Administration (WAPA) that would allow DOE-NNSA the ability to contract through WAPA for Power Purchase Agreements for periods up to 40 years. This option will allow DOE-NNSA to secure power for LANL into the future. The first project under consideration is an 8 MW solar PV array to be constructed at LANL using a purchase power agreement for an expected 25-year term.

Sandia & Kirtland Air Force Base Merchant Desk Services

To meet the combined power demands of Sandia and Kirtland Air Force bases, DPU staff is providing support for a post 2023 PPA. These efforts require an updated IA between DOE-NNSA and WAPA. Kirtland Air Force Base is undergoing a study on how best to meet the power demands into the future for a Department of Defense (DOD) Facility. Factors under consideration include resilience while moving toward sustainable resources such as renewables. DPU staff is supporting this effort as their Merchant Desk Service provider.

Laramie River Station (LRS)

Staff is exploring alternatives to exit the LRS prior to the end of the Life-of-the-Plant PPA. With the County's exiting the SJGS in June of 2022, the only remaining controllable resource is LRS. Real-time operations need a controllable resource to adjust generation to match load after the scheduling window closes. Since LRS is DPU's cheapest resource, DPU could potentially swap power with a Power Marketer that develops wind and solar resources in the region. The swap would be a firm power unit, contingent on no additional cost from what the County currently pays.

FER Timeline

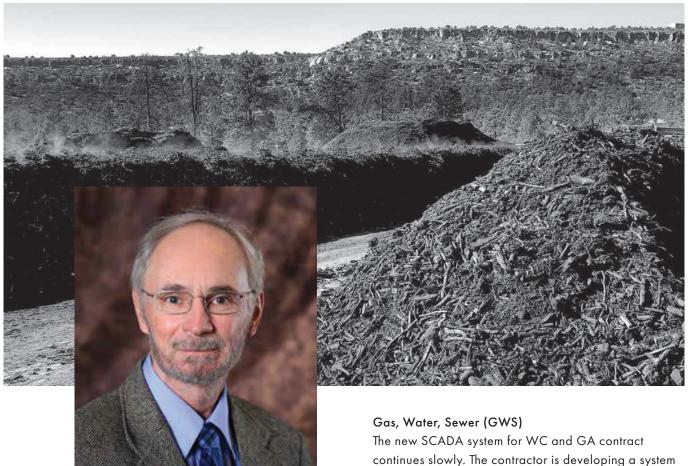
The timeline (left) shows the strategic plan with several important dates which play a significant role in the decision making process to achieve the goal to be a carbon neutral electric energy provider by 2040 while sustaining the electric demands of the community.

It started with the development of an Integrated Resource Plan (IRP) in 2017, which provides the most economical options to achieve the goal based on the best information available at that time and the County's partnership through the Electric Coordination Agreement with DOE-NNSA.

Staff is developing a new IRP in 2021 (last one was developed in 2017) to see if there are any changes in the recommended resource portfolios for achieving our 2040 carbon neutral goal. There are three future contract dates which provide an opportunity to shape our future power supply. First the expiration of the San Juan Generation Station Agreement in 2022. Second, the County's expected exit from the coal-fired Laramie River Station, where the County signed a life of the plant (2042), power purchase agreement. Third, the expiration of the current Electric Coordination Agreement (ECA) between the County and DOE-NNSA LANL in 2025.

Through the current ECA, resources are pooled together to serve the combined load of the County and Los Alamos National Laboratory. Today LANL accounts for approximately 80% of the total electrical demand. An extension of the ECA along with the negotiated terms and conditions will have a significant impact in DPU's decision to add new or replacement generation resources to the mix to ensure we don't have an over or under supply of energy post 2025.

GAS, WATER AND SEWER



JACK RICHARDSON DEPUTY UTILITY MANAGER

COVID restrictions for all GWS groups (GWS, WP, WT & MR) were un-relaxed during this quarter. We returned to splitting the crews and off-setting shifts by ½ hour to minimize opportunities for close contact impacts. Our unvaccinated staff continue to test positive and be provided with 10 days in quarantine while our vaccinated staff continue to work with limited to no COVID related time off. The new SCADA system for WC and GA contract continues slowly. The contractor is developing a system for installing SCADA equipment inside existing sewer manholes. Other priorities and circumstances within GWS have kept the full crew busier than projected and have delayed the completion of additional sewer lift station field work SCADA prep. Gas system SCADA prep work design in Engineering continues and construction bidding is scheduled in the near future. All GWS staff have been tasked with meter change outs as their highest priority until the AMI meter change out program is completed. Except for emergency responses or work required by state or federal regulation all crews are in the field changing meters.

The sewer crew continues daily visits to two small volume SLS's due to faulty control systems. Two other SLS's with faulty control systems continue to run on temporary emergency control systems. The plan is to



have all SLS's up and running with new control systems, and SCADA, as soon as the schedule permits. Sewer backups have been light this quarter.

Pipeline breaks were light this quarter. The DPU is in the final stages of developing a project to hire an outside contractor to investigate all valves and locate these faulty valves and replace them if they are leaking and before they break into pieces causing a major water loss leak.

The annual gas system pressure regulating valve station fall checks and fall gas pipeline leak surveys have been completed this quarter. The DPU On Call Misc. Projects process was finalized this quarter and the DPU now has three firms to select from within a DPU controlled on call contract. The combined DPU/Public Works project in the Alamo/Capulin area off San Ildefonso Drive on North Mesa was for the most part completed this quarter: water and gas system replacement is being finalized for the DPU portion of the project.

Congratulations to Allen Kershner on being hired to take Steve Harshman's post retirement position. The GWS crew said goodbye to another long-time crew member this quarter when Loren Freyer retired. Loren's replacement position is being held open until the AMI meter change out program is completed to the point where a second FTE can be moved out of the meter reading group and into the GWS group.

Water Production

Management staff continue to coordinate with DOE/ LANL staff on the revisions to the ownership and O&M responsibility determinations for DPI pipelines in DOE property. Progress is being made and a conclusion of this effort is expected within the next few quarters. The WP group transitioned to winter schedule in September – eliminating the summer schedule swing shift and transitioning that shift back to the day shift.

The Pajarito Well No. 4 project is finally 100% completed and fully operational as of this quarter. PW4

was running full time and has been performing very well in terms of water pumped into the system during the high-water demand period. PW 4 will thankfully be fully operational for next year's high water use season while Otowi Well No. 4 is down for repair and upgrades. The projects to house and equip the new Otowi Well No. 2 and the Tsankawi Chlorination and Partial NM 4 Pipeline Replacement started construction this quarter.

The construction of the Overlook Park Booster Station Project for the NP system continued this quarter. The NP system Bayo Booster Station Tank No. 2 Project was split into two phases (FY22 & FY23) due to unanticipated construction cost increases. Phase one project bids will be opened next quarter. The project at Pajarito Booster Station No. 2 that will replace the failing pipeline & water meter serving the chlorination injection system with a new pipeline, meter & injection equipment inside a new vault and that was initiated last quarter has stalled due to the schedule of the contractor. Congratulations to Lucas Martinez for transitioning out of the meter reading group and into the Water Production group.

Wastewater Treatment

The White Rock wwtp construction bids were let onto the street for bidding this quarter.

The design of the project to add tertiary filtration equipment to the LA wwtp to upgrade this wwtp's effluent classification from 1B to 1A has progressed well. This effluent quality upgrade will enable the NP system to expand along the Diamond Drive corridor – as soon as the land purchase from USFS to the County has been completed and the Group 12 NP storage site can be expanded.

A small re-grading project is planned to allow operators to dispose of excessive "overs" (larger sized green waste material used in the composting process) on the banks of the fill slopes. Disposal of this material in these locations will enable staff to work to improve the aesthetics of the compost facility by providing for better vegetative cover of the fill slopes around the perimeter of the compost facility. Research on equipment that will eliminate, or drastically reduce, loose plastic waste out of the compost process has begun with anticipated acquisition being initiated after finalization of the White Rock wwtp contract award process.

Congratulations to Anthony Hernandez for hiring on with the Wastewater Treatment group. Also congratulations to Charlie Lopez for his promotion to Apprentice I.

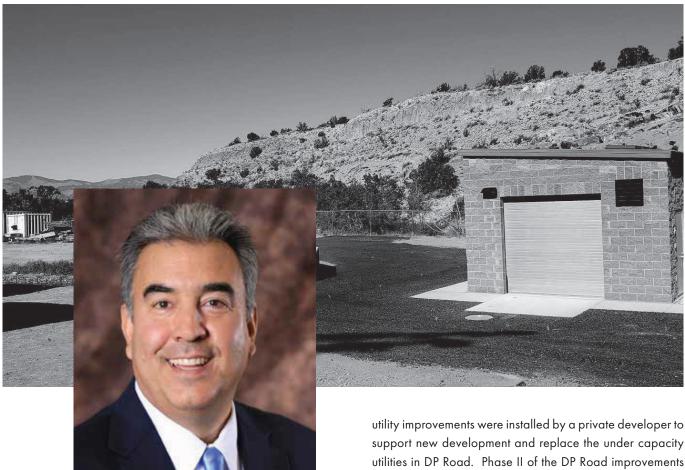
Meter Reading

The AMI project continues to require all the GWS crew time possibly available for changing out meters. Commercial water meters and gas meters are the main emphasis right now. As mentioned in the Water Production section; Lucas Martinez has transitioned out of the meter reading group into the Water Production group. This reduction from 5 to 4 FTE's in the meter reading group will remain stable until the AMI meter change out program has completed enough meter change outs to the point where a second FFTE can be transitioned out of the meter reading group without impacting utility billing.





ENGINEERING



JAMES ALARID DEPUTY UTILITY MANAGER

This quarter has been busy for the Engineering Department with planned capital improvement projects and working on new private construction. The NM-502 project and DP Road Improvements were completed this quarter bringing an end to the these two high profile road and utility improvement projects. As part of the NM-502 project the DPU replaced the gas, water and electric systems and made a number of sewer improvements which modernized this infrastructure which was 50 to 70 years old. The DP Road utility improvements were installed by a private developer to support new development and replace the under capacity utilities in DP Road. Phase II of the DP Road improvements is currently being designed and will be constructed the summer of 2022. At the end of the project all of the DP Road electric, gas and water systems will be upgraded and sewer service will be available for the first time to existing customers and for development of the vacant parcels.

The project to build the well house and equip Otowi Well #2 was awarded and construction began this quarter. The new well is scheduled to be complete by April 2022. A second related water production project was awarded for construction of a new chlorination building located at the intersection of NM-4 and East Jemez Road (Truck Route). This project will install a new higher capacity chlorination system which will accommodate the increased flows from the new Otowi Well #2. This project is scheduled to be completed in March 2022.



The North Mesa Road and Utility Improvement project progressed during this quarter. This project will replace the gas and water systems on Alamo, Capulin, Cedro Court and Big Rock Court and repave the roads. The project has progressed well and the utility work was substantially complete in October 2021.

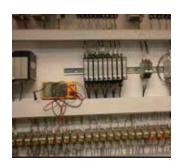
Three non-potable water projects progressed this quarter which all include grant/loan funding from the New Mexico Water Trust Board. The new Overlook Booster Station is nearing completion and will be online for next spring's irrigation season. Design is complete on the Los Alamos Wastewater Treatment Plant Filtration system and the project will be bid for construction in the spring of 2022 when the grant /loan agreement is executed. This project will improve the water quality in the effluent to meet Class A classification. The current effluent is classified as Class B effluent and has some restrictions to the location where the water can be used for health and safety reasons. With Class A effluent the use of non-potable water can be expanded to more populated areas with less restrictions on the time when irrigation is allowed. The project to install a new 1 million gallon tank at the Bayo Booster station was bid this quarter. The bids received were approximately \$1.3 million over budget. Due to the cost increases and supply chain disruption caused by the COVID-19 pandemic, the pricing doubled over the last year. The project was not awarded since the budget was not available. DPU worked with the New Mexico Finance Authority to phase the project and proceed with a reduced scope Phase I to apply the awarded funds to. Phase I of the project was bid this quarter and will be awarded in December 2021.

The El Vado transformer replacement project was bid this quarter for a contractor to furnish and install the transformer. No bids were received. The DPU has issued a second bid for the direct purchase of the transformer and a contractor will be hired to install the transformer when it is received. This project has been impacted by the COVID-19 supply chain disruption. Transformer delivery times are as far out as 2 years. Bids will be received for the transformer in November. The Los Alamos Wastewater Treatment Plant was advertised for bids this quarter. Two bids were received and were both significantly higher than the available budget. DPU is working on increasing the construction loan amount to award the project. Award of the project is anticipated to be in mid-January 2022.



CAPITAL IMPROVEMENT PLAN - FY 2022

IIIIIIII PLANNING DESIGN	NSTRUCTION	QTR 1	QTR 2	QTR 3	QTR 4
	BUDGETED	07/21 08/21 09/21	10/21 11/21 12/21	01/22 02/22 03/22	04/22 05/22 06/22
ELECTRIC PRODUCTION	\$1,165,000				
Upgrade El Vado Controls	440,000	DEFERRED			
Install El Vado Fiber Optic Line	625,000				
Replace Abiquiu Transformer	100,000				
ELECTRIC DISTRIBUTION	\$950,000				
Replace Underground Residential Distribution	400,000				
Replace Overhead Distribution	300,000				
Upgrade Elec. Dist: Canyon Road/Utility Project	200,000				
Construct WR Utilities Maintenance Facility	50,000				
NATURAL GAS DISTRIBUTION	\$885,000				
Replace Gas Lines: Alamo & Capulin Project	535,000		COMPLE	TED	
Install SCADA Pressure Monitoring Station	300,000				
Construct WR Utilities Maintenance Facility	50,000				
WATER PRODUCTION	\$15,301,000				
Install Second Bayo Non-Potable Water Tank					
Paint Barranca Mesa Water Tank	675,000				
Upgrade Motor Control Center	2,880,000			1	
Install Camp May Water Line (LAC/3rd Party)	4,000,000	Constructio	n pending enviro	nmental clearance	9.
Stabilize Los Alamos Reservoir Road	800,000	Pending aw	ard of grant from	n NM River Stewa	rdship program
Install A Filtration System for the LA WWTP	2,716,000				
Replace Water Transmission Line on NM4	2,980,000				
Upgrade Tank Piping	300,000			1	
Construct WR Utilities Maintenance Facility	50,000				
WATER DISTRIBUTION	\$1,484,000				
Replace Water Lines: 33rd and 34th Streets	448,000				
Replace Water Lines: Canyon Road/Utility Project	254,000		шш		
Construct WR Utilities Maintenance Facility	50,000				
Replace Water Lines: Alamo & Capulin Project	732,000		CO	MPLETED	
WASTEWATER	\$31,691,000				
Construct WR Utilities Maintenance Facility	50,000				
Replace Sewer Lines: 33rd and 34th Streets	352,000		шш		
Replace Sewer Lines: Canyon Road/Utility Project	244,000		шш	mm	
Build Gravity Sewer Line to Replace Bayo Lift Station	550,000				
Improve/Expand Composting Site Phase 1	495,000				
Replace WR WWTP w/Water Resource Recovery Fac.	30,000,000				



Electric Production Upgrade El Vado Controls

Update software and programming controls at the El Vado hydroelectric facility which are no longer supported. The controls upgrade will ensure safe and reliable operation of the plant.

Budget: \$440,000 Schedule: Deferred



Electric Production Install El Vado Fiber Optic Line

Eliminate the microwave radio system and replace it with a direct fiber optic line between the El Vado hydroelectric plant and substation. Upgrade communication equipment.

Budget:

- Fiber Optic Line: \$500,000
- Communication Equip: \$250,000
- Schedule: Fall/Winter 2021-2022



Electric Production Replace Abiquiu Transformer

Install a new transformer and salvage the old transformer at the Abiquiu hydroelectric plant.

Budget: \$100,000 Schedule: Fall/Winter 2021-2022



Electric Distribution Replace Underground Residential Distribution

Replace portions or segments of the underground electric residential distribution system which have experienced three or more failures.

Budget:

- Los Alamos: \$200,000 - White Rock: \$200,000 Schedule: Year round.



Electric Distribution Replace Overhead Distribution

Replace power poles, cross-arms, and revamps (wire & transformer upgrades). Priority is placed on the three-phase backbone and areas affecting the highest number of consumers.

Budget:

- Los Alamos: \$150,000 - White Rock: \$150,000
- Schedule: Year round.



Elec Dist/Water Dist/Wastewater Upgrade Utilities on Canyon Rd (Joint project w/Pubic Works)

Upgrade and replace utilities infrastructure ahead of Public Works scope to re-pave Canyon Road (Diamond to Central).Funding: Revenue transfer allocated to DPU by Council.

Budget:

- Elec. Dist: \$200,000
- Water Dist: \$254,000
- Wastewater Coll: \$244,000
- Schedule: Summer 2022



Elec/Gas/Water/Wastewater Construct WR Utilities Maintenance Facility

Construct a maintenance facility in White Rock located at Overlook Park to be used by all DPU divisions.

Budget:

- Elec Dist: \$50, 000 - Gas Dist: \$50, 000 - Water Dist: \$50, 000 - Water Prod: \$50, 000 - Wastewater Coll: \$50, 000
- Schedule: Design Winter 2022 Construction Summer 2022



Gas Dist/Water Dist Replace gas/water lines: Alamos & Capulin (Joint w/Pubic Works)

Replace gas and water lines on Alamos and Capulin ahead of Public Works scope to re-pave Alamos and Capulin Roads.

Budget: - Gas: \$353,000 - Water: \$732,000 Schedule: Completed Oct 2021



Gas Distribution Install SCADA Pressure Monitoring Stations

Install a supervisory controls and data acquisition system (SCADA) including various pressure monitoring stations in White Rock and Los Alamos to remotely monitor the system pressure, performance trends and pressure drops.

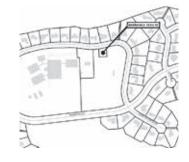
Budget: \$300,000 Schedule: Throughout FY 2022



Water Production Install a second Bayo Booster Non-potable Water Tank

Install a second 750,000 gallon tank for additional effluent storage to expand service to other areas in the community. Project originally identified this project as a second Group 12 tank. It has been changed to a second Bayo Booster tank. Funding: Water Trust Board

Budget: \$900,000 Schedule: Construct Spring 2022



Water Production Paint Barranca Mesa Water Tank

Paint the interior and exterior of the Barranca Mesa Water Tank #2 adjacent to the Barranca Elem. School.

Funding: Drinking Water State Revolving Loan

Budget: \$675,000 Schedule: Spring/Summer 2022



Water Production Upgrade Motor Control Center

Assess the condition of wells & boosters electric gear, design upgrades for the highest priorities and bid for construction. Funding: Drinking Water State Revolving Loan for construction.

Budget:

Design: \$180,000 (CIP)
 Construction: \$2,700,000 (loan)
 Schedule: Design Winter 2022
 Construction Summer 2022



Water Production Install Camp May Water Line (County/Ski Hill Operator Proj)

Install 23,000 feet of water lines and 4 booster stations along Camp May Rd. to convey water from existing potable water syst. in Los Alamos to ski lodge. Pending NEPA clearances from U.S. Forest Service.

Budget:

LA County: \$2,000,000Ski Hill Owner: \$2,000,000Schedule: Pending NEPA



Water Production Stabilize LA Reservoir Road

Stabilize upper watershed to mitigate sediment moving downstream. Reconstruct the LA Reservoir Rd where it washed and stabilize the road from future flooding using log and boulder vanes and vegetation.

Budget:

- LÃ County: \$250,000 - DPU: \$250,000 - NM River Steward Grant: \$300,000 Schedule: Pending grant approval



Water Production Install Filtration Syst. at LA WWTP

Install a filtration system at the LA wastewater treatment plant to improve effluent water quality to meet Class-1A (highest achievable). Funding: Water Trust Board loan/grant)

Budget:

 WTB loan: \$1,300,000
 WTB grant: \$1,200,000
 DPU match: \$210,000
 Schedule: Design: Summer 2021 Construct Summer/Fall 2022



Water Production Replace Water Transmission line on NM4

Replace the 16-inch water transmission line on NM State Rd 4 at the E. Jemez Rd intersection ahead of the NM DOT road work. Funding: Drinking Water State Revolving Loan

Budget:

Design: \$180,000 (CIP)
Construction: \$2,800,000 (DWSRL)
Schedule: Design Summer/Fall 2022
Construction: 2023 - 2024



Water Production Upgrade Tank Piping

Upgrade miscellaneous valves throughout the water production system to improve reliability. Work conducted in-house and supported by contractors as needed.

Budget: \$300,000 Schedule: Design Winter 2021 Construct: Summer/Fall 2022



Water Dist./Wastewater Replace water & sewer lines: 33rd/34th St. (Joint Public Works)

Replace water and sewer lines on 33rd and 34th Streets based on DPU's condition assessment. If funded, Public Works will pave the road as part of the project.

Budget:

- Water Dist: \$448,000 - Wastewater Coll: \$352,000 Schedule: Construct Summer 2022



Wastewater Treatment Construct Gravity Sewer Line to eliminate Bayo Lift Station

Construct a gravity sewer line to replace the Bayo lift station and eliminate the cost and risk associated with pumping the sewage. Funding: Drinking Water State Revolving Loan

Budget: \$550,000 (loan) Schedule: Summer 2022



Wastewater Treatment Improve Composting facility Phase I

Expand the composting facility to accommodate sludge from new WR water resource recovery facility. Install impervious liner for new area, grade and drain the detention pond.

Budget: \$495,000 Schedule: Spring and Summer 2022



Wastewater Treatment Replace WR Wastewater Treatment Plant

Replace the White Rock wastewater treatment plant with a new water resource recovery facility. Funding: NMED Clean Water State Revolving Fund Loan

Budget: \$30,000,000 Schedule: Construct February 2022 -August 2023



SUSTAINABLE LOS ALAMOS

Reclaimed Wastewater

Reclaimed wastewater use for fiscal year 2022 is on track at 45 million gallons. Quarters 1 and 4 are typically the time of year when the largest quantities of effluent are utilized, coinciding with the peak irrigation seasons of spring and summer. Treated wastewater from both wastewater treatment plants (Los Alamos and White Rock) is a great substitute for ground water to meet the County's demand to irrigate parks, ballfields and the golf course and is a part of the DPU conservation plan.

In the near future, DPU will improve the quality of its effluent

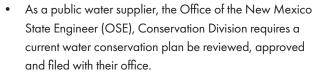
to a class 1A standard (the highest possible) through the installation of a filtration system at the Los Alamos plant and the replacement of the White Rock plant with a new water resource recovery facility. Other capital improvement plan projects will expand and increase storage capacity of nonpotable water to permit the irrigation of other turf areas in the community with.

Water & Energy Conservation

This past quarter, staff advertised to fill the Water and Energy

Conservation Coordinator position. Vacant for more than five years, the department hopes to have the position filled before the new year. This individual will liaise with the Environmental Services Division, and the Los Alamos Resiliency Energy and Sustainability Task Force. Incorporating feedback where appropriate, the new conservation coordinator will update the water and energy conservation plan with the new BPUapproved goals from October 2021 and initiatives to meet these goals.

DPU maintains a conservation plan for the following three reasons.



- As a requirement to receive the County's allocation of hydroelectric power from Glenn Canyon Dam, the Western Area Power Administration (WAPA) mandates members incorporate energy conservation demand management strategies, initiatives and measurements.
- The third component of the Water and Energy Conservation Plan is establishing conservation initiatives,

policy, programs and measures that reflect the community's demographics, planning efforts, residential and commercial sector and stakeholder interests.

Pajarito Environmental Education Center continues to provide conservation education to the community through a contract with the DPU. This past quarter, PEEC held an in-person electric vehicle show, a virtual education presentation on heat-pumps and incorporated conservation

education into its hybrid in-person/virtual summer camp activities.

In preparation for fall and winter, PEEC also began developing a video series to share on social media with a focus on reducing energy consumption. The series will roll out in October in time for Main Street Trick-or-Treat, and continue through the month of November. The timing is appropriate as natural gas prices will be higher than normal this year.

Used to Irrigate County Turf

Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun

Gallons of Reclaimed Wastewater



Pass-Through Cost Of Gas

Since 2013 the Department of Public Utilities has included a "pass-through" cost of natural gas in its rate. In addition to a monthly service fee, the gas consumption charge comprises a fixed cost recovery fee per therm and a variable cost of gas per therm (pass-through cost). The fixed cost recovery fee includes set distribution maintenance and operation expenses. DPU's actual cost to purchase the natural gas commodity is passed directly to the customer in the variable cost of gas per therm charge. This price is calculated each month based on the San Juan Index and then adjusted based on the actual cost from the prior month. Customers benefit from this approach as the DPU does not need to maintain a substantial rate stabilization fund to absorb the volatile, fluctuating gas prices. Each month DPU posts the new variable cost of gas rate on the website at: https://ladpu.com/DPUGasRateSchedule.

TOTAL GAS CHARGE COMPRISES THREE COMPONENTS

(1. Monthly Service Fee) + [(2. Fixed Cost Recovery Fee + 3. Variable Cost of Gas) x Total Therms] = Total Charged

SCHEDULE OF CUSTOMERS

- 7A: Residential
- 7E: Commercial
- 7L: County
- 7N: Schools

1. MONTHLY SERVICE FEE

Schedule	Meter Rated	Charge		
ALL	≤ 250 CFH	\$ 9.50		
ALL	> 250 CFH	\$28.50		

2. FIXED COST RECOVER FEE/THERM

Schedule	Fee/Therm
7A & 7E	\$0.23
7L & 7N	\$0.20

3. VARIABLE COST OF GAS/THERM

(Pass-Through Cost of Gas) Calculated each month based on the San Juan index and then adjusted based on the actual cost from the prior month



Example: Residential Family (7A) that used 30 therms in September 2021 * \$9.50 + [(\$0.23 + \$0.00) × 30] = \$16.40



Example: Commercial Customer (7E) that used 120 therms in September 2021 * \$28.50 + [(\$0.23 + \$0.00) × 120] = \$56.10

pri	or month		Projected	Adjustment to	Total Variable Cost of
	Month & Year	Schedule	Variable Cost of Gas	Prior Month Estimate	Gas/Therm
	Sep 2021	ALL	\$0.43	(\$0.43)	\$0.00
-	Aug 2021	ALL	\$0.45	(\$0.03)	\$0.42
	Jul 2021	ALL	\$0.41	(\$0.41)	\$0.00

NATURAL GAS RATES

Fluctuating Gas Rates

Natural gas prices are mainly a function of market supply and demand, which causes fluctuations. Multiple factors affect the price of gas, one is weather. Cold temperatures, for example, increase demand for heating, while hot weather increases demand for cooling, which increases natural gas demand by electric power plants.

To mitigate some of the fluctuations, DPU joined the New Mexico Municipal Energy Acquisition Authority (NMMEAA). Created by local governments in 2008 through a Joint Powers Agreement, the purpose of NMMEAA is to obtain

VARIABLE COST OF GAS/THERM								
	Resid	Residential Non-Residentia						
Mo/Year	DPU	NMGC*	DPU	NMGC*				
Sep 2021	\$0.00	\$0.75	\$0.00	\$0.58				
Aug 2021	\$0.42	\$0.77	\$0.42	\$0.59				
Jul 2021	\$0.00	\$0.72	\$0.00	\$0.54				
Avg price	\$0.14	\$0.75	\$0.14	\$0.57				

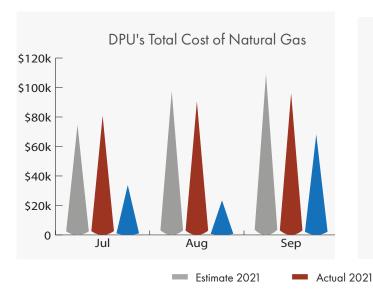
reliable, long-term gas supply under favorable terms, conditions and price. NMMEAA benefits government-owned utilities like DPU and through this

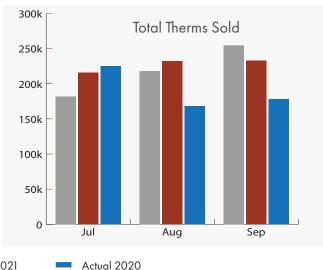
membership, DPU is able to pass its savings directly to customers.

When comparing the variable cost of gas or the pass-through rate with the rates of New Mexico Gas Company, DPU's rates are usually lower although not always. This past quarter (three months) DPU's average cost at \$0.14 per therm was

*New Mexico Gas Company source: nmgco.com/en/cost_of_gas

San Juan Index/MMBTU			Tot	Total Cost of Gas for Qtr 1			Total Therms Sold for Qtr 1		
	2021	<u>2020</u>		2021	2020		<u>2021</u>	<u>2020</u>	
Sep:	\$3.77	\$2.27	Sep:	\$96,139	\$68,222	Sep:	233,056	178,283	
Aug:	\$3.90	\$1.62	Aug:	\$90,637	\$23,463	Aug:	232,094	168,127	
Jul:	\$3.48	\$1.50	Jul:	\$80,945	\$33,804	Jul:	215,931	224,911	
			Total:	\$267,721	\$125,489	Total:	681,081	571,323	





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FINANCE AND ADMINISTRATION



HEATHER GARCIA ACTING DEPUTY UTILITY MANAGER

Overall Performance

As seen in the past several years, actual sales were below forecasted sales for the first quarter of FY22, for electric, water and wastewater. However, in Quarter 1 of FY 2022 overall revenue dollars increased \$234,403 (1.33 percent) over Quarter 1 of FY 2021. Largely impart to wholesale sales of electric and water to DOE, which increased over Q1 of FY 2021 by \$1,093,775 (5.63 percent). As later detailed in this summary, supply chain delays and labor shortages have likely affected expected expenditures for FY 2022. This has resulted in an increase in expenses from FY 2020 and FY 2021. The largest variances in trends for expenditures are seen in the Electric and Water utilities. Operations and Capital expenses made up 89.62 percent of total expenses, and maintenance was 5.56 percent.

DPU net revenues for quarter 1 of FY 2022 were a total gain of \$881,209, including all expenses. Electric, Water and Wastewater all experienced a net gain in quarter 1, while Gas showed a loss. This is likely due to fluctuations in gas rates created by the February 2021 event. Due to the structure of the pass-through rate, these effects take months to recover from but are expected to normalize in the next quarter.



OVERALL PERFORMANCE: Q1

Financial Status - Unaudited // FY2022

			QUARTER 1		
REVENUES	ELECTRIC	GAS	WATER	WASTEWATER	TOTAL
Operating Revenue					
Utility sales and service	\$13,461,199	\$498,418	\$2,412,798	\$1,466,771	\$17,839,186
Rentals	\$O	\$O	\$0	\$0	\$0
Miscellaneous Revenue	\$35,599	\$O	\$967,455	\$0	\$1,003,054
Total Operating Revenue	\$13,496,798	\$498,418	\$3,380,253	\$1,466,771	\$18,842,240
EXPENSES					
Operating Expenses					
Employee salaries and benefits	\$1,532,523	\$202,372	\$373,545	\$275,587	\$2,384,026
Contractual services	\$6,219,380	\$706,182	\$1,886,275	\$476,792	\$9,288,629
Materials and supplies	\$123,574	\$21,786	\$94,731	\$87,907	\$327,997
Special closure costs	\$37,900	\$O	\$185,611	\$0	\$223,511
Other	\$4,925,388	\$O	\$691,806	\$119,674	\$5,736,868
Gross Operating Expenditures	\$12,838,765	\$930,339	\$3,231,968	\$959,960	\$17,961,031
NET REVENUE	\$658,033	\$(431,921)	\$148,285	\$506,811	\$881,209

Electric Operations

Retail sales were 5.89 percent below the budgeted 31,119,564 kWh and sales to DOE were 38.53 percent below the budgeted 147,055,901 kWh. Overall kWh sales for all customers were 32.83 percent below budget.

In electric distribution, the first quarter closed with net operating revenues of \$745,060, which is 56.88 percent of the total annual budgeted income for FY 2022. This is due to lower overall expenses. With 25.21 percent of the year passed, expenses were only at 17 percent for the first three months. Power costs continue to see increases, and LAC cost of power for the quarter was \$54.61 per kWh, compared to a budget projection of \$47.997. Even with this higher than projected cost of power, lower demand for power carried lower expected costs for the first quarter by \$980,266. Capital expenditures totaled \$87,027, which is only about 7.25 percent of the \$1,200,000 budgeted for FY 2022.

The first quarter of FY 2022 yielded total net income gain of \$658,033 for electric distribution. A net income loss of (\$485,157) is forecasted for the year, which includes the profit transfer. COVID concerns continue to create obstacles with supply chains and increases in costs for goods and services. As the department moves forward with planned maintenance activities and capital projects, we could see that early net revenue gain dissipate over the year to match budget projections more closely.

Gas Operations

As previously mentioned, gas sales in the first quarter were 15.93 percent higher than budgeted for the period, with total sales of 681,081 therms. Contributing to the increase in gas consumption are sales to water production for wells and booster stations, as well as an increase in sales to educational customers. Net cash flow from operations was a loss of (\$396,324), due to the pass back of over collected revenue from the February 2021 event. While the cost of gas remained low in the first quarter, approximately 8 percent of the FY 2022 budget, prices for natural gas are expected to be high this winter. Lower prices are typical for the first part of the year, but as seen earlier in calendar year 2021 several factors can create fluctuations in the prices of gas.

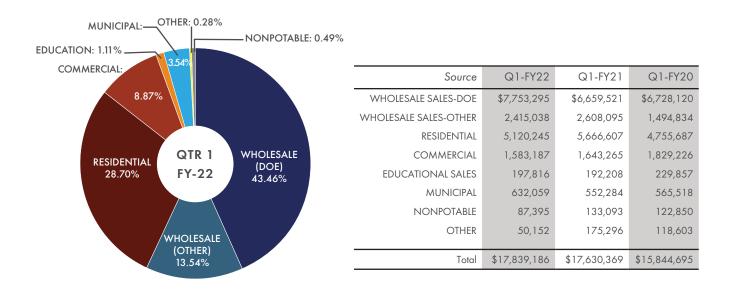
For FY 2022, an operating income gain is forecasted for gas operations of \$57,652 with a budgeted profit transfer of \$224,287. There are \$885,000 capital expenditures budgeted in FY 2022. A negative net cash flow of (\$1,051,635) is budgeted, funded from existing fund balance. While a net revenue loss of (\$431,921) was experienced, 41.07 percent of the total FY 2022 forecasted loss, all pass back related to the February event is completed and rate calculations will return to normal. This is expected to bring revenues back in line with forecasted amounts.

Water Operations

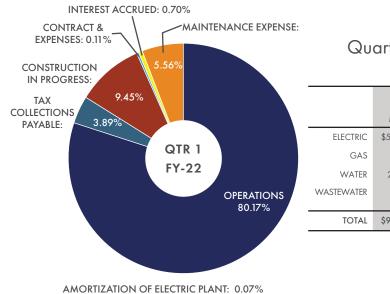
Retail water sales at 304,371 kGal were higher than budget estimates of 275,814 for the quarter, an increase of 10.35 percent. Total retail sales for Q1 of FY 2022 were 5.39 percent less than the first quarter of FY 2021, however, municipal sales and educational sales increased more than 50 percent over last year. This is a contributing factor to the increase over forecasted sales and is likely due to the reopening of schools and public buildings following the pandemic shutdowns. Wholesale sales to LANL of 71,256 kGal were 32.23 percent less than budgeted, which closely mirrors FY 2021 for the same time frame. The COVID Pandemic has continued to affect normal water consumption and irrigation practices. Combined total sales in thousands of gallons for both Retail and DOE were 1.40 percent lower than budgeted for the quarter.

Net cash flow from water operations were \$333,895 for the quarter. Capital projects funded through sales totaling \$2,910,000 were budgeted in the water fund for the year, but only \$185,611 has been expended to date, yielding total water net revenues of \$148,284 for the

REVENUE BY SOURCE: Q1



EXPENSE BY TYPE: Q1



DEPRECIATION EXPENSE: 0.04%

Quarter 1: Budget Versus Expended by Utility

	Q1-FY22		Q1-F	Y21	Q1-FY20	
	Budget	Spent	Budget	Spent	Budget	Spent
ELECTRIC	\$54,834,147	\$12,512,025	\$57,880,010	\$9,9 <i>57</i> ,026	\$53,046,943	\$7,924,914
GAS	5,706,462	930,368	10,129,727	482,477	6,155,845	955,599
WATER	23,048,335	3,231,968	25,551,212	1,246,356	17,862,419	1,830,749
WASTEWATER	10,096,107	959,960	22,139,137	685,355	7,242,108	873,434
TOTAL	\$93,685,051	\$17,634,320	\$115,700,086	\$12,371,214	\$84,307,314	\$11,584,696

quarter. Water production's budget includes grant and loan funded projects, totaling \$10,225,000, which will only be expended if those funding sources are realized.

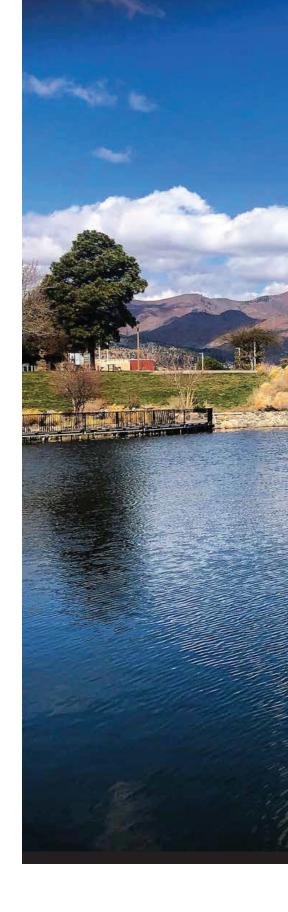
For the full fiscal year, water operations' budgeted operating cash flow is \$1,163,543 resulting in budgeted net negative cash flow of (\$1,746,457), after forecasted capital expenditures, funded through existing fund balance. Once planned capital projects pick up, early net revenues gains should return to closer projections for FY 2022.

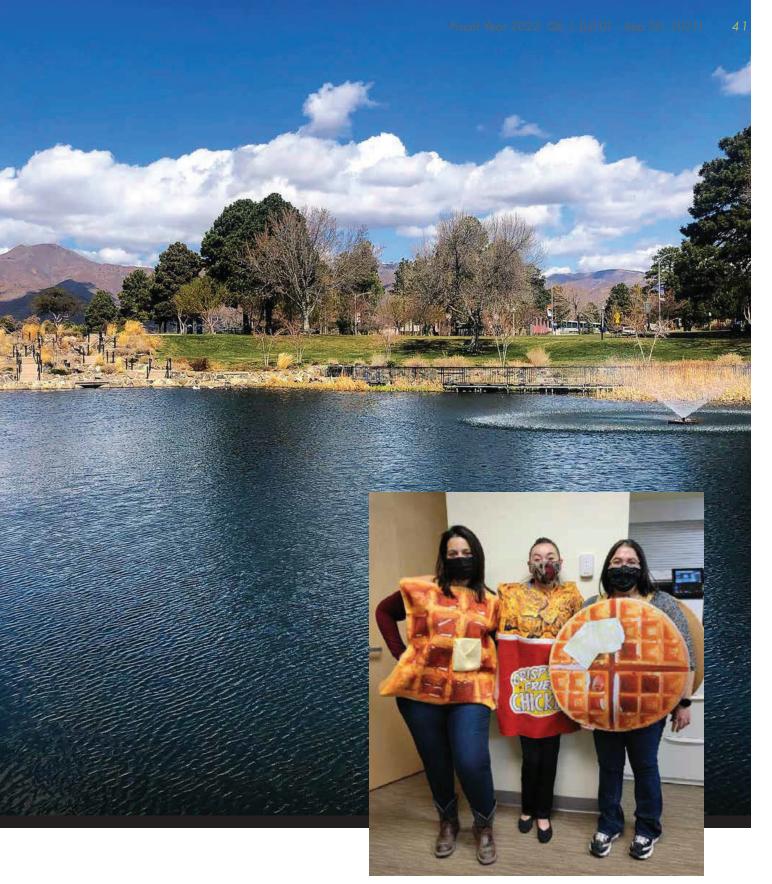
Wastewater Operations

Total treated wastewater was 94,607 kGal, resulting in 17.49 percent less than forecasted. Cash flow from operations was \$538,355 for the first three months of FY 2022. There have been \$31,544 capital expenditures to date this fiscal year, resulting in a net sewer revenue gain of \$506,881.

Total FY 2022 wastewater operations' budgeted operating cash flow is \$1,032,199. In total, \$4,566,000 in capital expenditures are budgeted, which include \$3,050,000 of grant and loan funded projects. This is a net change to the fund of \$1,516,000, resulting in a projected net income loss of (\$483,801) for the year. This capital expenditure amount does not include the debt funded White Rock treatment facility, which are to be adjusted in the FY 2022 budget and reflected in quarter 2 reports. Estimates for the White Rock facility have increased from \$17 million to \$30 million due to material and labor shortages related to the COVID-19 pandemic. Ordinance 712 will be considered by the Los Alamos county Council in November 2021.

NOTE: Budgetary carryovers and adjustments from are not reflected in this report. Any impact of those adjustments would affect the "Adj. Budgeted Net Income (loss)" line of each division's financial report, but the impact on cash position would be carried over as well, so should not significantly affect the utilities net cash position. These carryover amounts should be available for reporting in the second quarter.





Department of Public Utilities employees Sara Lujan, Amanda Burnworth and Jennifer Baca celebrate Halloween as Chicken and Waffles.



Featured in the October 2021 Public Power Magazine for National Hispanic Month, were our own Steve Cummins, Isaac Montoya and Jordan Garcia. You can read the article here: https://www.publicpower. org/periodical/article/public-power-utilities-create-pathways-nextgeneration-hispanic-leaders

FINANCIAL OPERATIONS AND CONSUMPTION REPORTS

ELECTRIC OPERATIONS

Financial Status - Unaudited // FY2022

Unaudited quarterly reports may include changes to prior quarters' data. Financial data is not final until audited.

	QTR 1	QTR 2	QTR 3	QTR 4	ΤΟΤΑ
NIT SALES: KILOWATT HOUR	S				
Total Retail Sales	29,286,942				29,286,94
Budgeted Sales	31,119,564				31,119,56
Retail Sales Variance	(1,832,622)				(1,832,622
Sales to NNSA	90,391,755				90,391,75
Budgeted Sales to NNSA	147,055,901				147,055,90
NNSA Sales Variance	(56,664,146)				(56,664,146
Other Wholesale Sales	2,284,177				2,284,17
Budgeted Other Wholesale Sales	2,516,285				2,516,28
Wholesale Sales Variance	(232,108)				(232,108
Total Actual Sales	119,678,697				119,678,69
Total Budgeted Sales	178,175,465				178,175,46
Total Sales Variance	(58,496,768)				(58,496,768
FINANCIAL RESULTS					
Total Electric Dist Revenues	3,739,870				3,739,87
Electric Distribution Other Revenues	(157,233)				(157,233
Electric Production Expenditures	11,513,470				11,513,47
Electric Production Revenues	9,914,160				9,914,16
Net Cost Of Power to ED	1,599,310				1,599,31
Other Elec. Dist. Operating Expense	1,238,267				1,238,26
Total Electric Dist. Operating Expenses	2,837,577				2,837,57
Net Electric Dist. Operating Revenue	745,060				745,06
Electric Dist. Capital Expenditures	87,027				87,02
Net Electric Dist. Total Revenue	658,033				658,03
BUDGETED					
Budgeted Operating Income(Loss)					\$1,309,82
Budgeted Capital Expenditures					\$(1,200,000
5% Revenue Transfer					(\$594,979
Budgeted Net Income(Loss)					(\$485,157
Budget Adjustments*					\$
Adj. Budgeted Net Income (Loss)					(\$485,157

NATURAL GAS OPERATIONS

Financial Status - Unaudited // FY2022

Unaudited quarterly reports may include changes to prior quarters' data. Financial data is not final until audited.

	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
UNIT SALES: THERMS (100,000	BTU)				
Total Sales	681,081				681,081
Budgeted Sales	587,490				587,490
Retail Sales Variance	93,591				93,591
FINANCIAL RESULTS					
Gas Distribution Revenues	\$534,878				\$534,878
Gas Other Revenues	(\$36,460)				(\$36,460)
Gas Distribution Operating Expenses	\$894,741				\$894,741
Net Gas Operating Revenue	(\$396,324)				(\$396,324)
Gas Distribution Capital Expenditures	\$35,597				\$35,597
Net Gas Revenue	(\$431,921)				(\$431,921)
BUDGETED					
Budgeted Operating Income(Loss)					\$57,652
Budgeted Capital Expenditures					(\$885,000)
5% Revenue Transfer					(\$224,287)
Budgeted Net Income(Loss)					(\$1,051,635)
Budget Adjustments*					\$0
Adj. Budgeted Net Income (Loss)					(\$1,051,635)

WATER OPERATIONS

Financial Status - Unaudited // FY2022

Unaudited quarterly reports may include changes to prior quarters' data. Financial data is not final until audited.

	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
UNIT SALES: THOUSAND GALL	ONS			,	
Wholesale Sales to LANL	71,256				71,256
Budgeted Wholesale Sales	105,149				105,149
Retail Sales	304,371				304,371
Budgeted Retail Sales	275,814				275,814
Total Sales	375,626				375,626
Total Budgeted Sales	380,963				380,963
Total Sales Variance	(5,336)				(5,336)
FINANCIAL RESULTS					
Wholesale Revenues	\$1,299,246				\$1,299,246
Retail Revenues	\$2,081,006				\$2,081,006
Other Revenues	\$O				\$0
Total Water Revenues.	\$3,380,252				\$3,380,252
Water Production Operating Expenses	\$1,181,492				\$1,181,492
Water Distribution Operating Expenses	\$1,864,865				\$1,864,865
Total Water Operating Expenses	\$3,046,357				\$3,046,357
Net Water Operating Revenue	\$333,895				\$333,895
Water Production Capital	\$163,763				\$163,763
Water Distribution Capital	\$21,849				\$21,849
Total Capital Expenditures	\$185,611				\$185,611
Net Water Revenues	\$148,284				\$148,284
BUDGETED					
Budgeted Operating Income(Loss)					1,163,543
Budgeted Capital Expenditures					(13,135,000)
Budgeted Grant/Loan/GF Transfers					10,225,000
Budgeted Net Income(Loss)					(1,746,457)
Budget Adjustments*					0
Adj. Budgeted Net Income (Loss)					(1,746,457)

WASTEWATER OPERATIONS

Financial Status - Unaudited // FY2022

Unaudited quarterly reports may include changes to prior quarters' data. Financial data is not final until audited.

	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
UNIT SALES: THOUSAND GALL	ONS				
Total Treated	94,607				94,607
Budgeted Treated	114,658				114,658
Variance	(20,051)				(20,051)
FINANCIAL RESULTS					
Sewer Revenues	\$1,594,951				\$1,594,951
Sewer Miscellaneous Revenues	(\$128,180)				(\$128,180)
Sewer Operating Expenses	\$928,416				\$928,416
Net Sewer Operating Revenue	\$538,355				\$538,355
Sewer Capital Expenditures	\$31,544				\$31,544
Net Sewer Revenue	\$506,811				\$506,811
BUDGETED					
Budgeted Operating Income(Loss)					1,032,199
Budgeted Capital Expenditures					(4,566,000)
Budgeted Grant/Loan/GF Transfers					3,050,000
Budgeted Net Income(Loss)					(483,801)
Budget Adjustments*					0
Adj. Budgeted Net Income (Loss)					(483,801)

ELECTRIC CONSUMPTION

Financial Status - Unaudited // FY2022

Unaudited quarterly reports may include changes to prior quarters' data. Financial data is not final until audited.

	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
REVENUES					
Residential	1,849,448				1,849,448
Private Area Lights	3,448				3,448
Commercial	1,155,795				1,155,795
Municipal	421,862				421,862
Water Production	177,022				177,022
Educational	102,297				102,297
Misc./Backcharges	29,998				29,998
TOTAL	\$3,739,870				\$3,739,870
SALES: KILOWATT HOURS					
Residential	15,679,082				15,679,082
Private Area Lights	9,354				9,354
Commercial	9,787,883				9,787,883
Municipal	2,668,677				2,668,677
Water Production	2,284,177				2,284,177
Educational	1,141,946				1,141,946
TOTAL	31,571,119				31,571,119
BILLED LOCATIONS: AVERAGE					
Residential	8,153				8,153
Commercial	629				629
Municipal	170				170
Educational	60				60
TOTAL	9,012				9,012
REVENUE/KILOWATT HOUR: A	VERAGE				
Residential	\$0.1180				\$0.1180
Private Area Lights	\$0.3686				\$0.3686
Commercial	\$0.1181				\$0.1181
Municipal	\$0.1581				\$0.1581
Water Production	\$0.0775				\$0.0775
Educational	\$0.0896				\$0.0896
AVERAGE	\$0.1175				\$0.1175
LOSS CALCULATION					
Power Received (kWh)	30,313,880				30,313,880
Photovoltaic Power Received (kWh)	12,272				12,272
Qtrly Losses (Gains)	(1,244,966)				(1,244,966)
% Qtrly Losses (Gains)	(4.11%)				(4.11%)
YTD CUMM LOSSES (GAINS)	(4.11%)				(4.11%)

NATURAL GAS CONSUMPTION Financial Status - Unaudited // FY2022

Unaudited quarterly reports may include changes to prior quarters' data. Financial data is not final until audited.

	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
REVENUES					
Residential	363,185				363,185
Commercial	87,662				87,662
Municipal	25,263				25,263
Water Production	36,460				36,460
Educational	5,820				5,820
Misc./Backcharges	16,487				16,487
TOTAL	\$534,878				\$534,878
SALES: THERMS					
Residential	402,188				402,188
Commercial	144,833				144,833
Municipal	23,520				23,520
Water Production	97,272				97,272
Educational	13,268				13,268
TOTAL	681,081				681,081
BILLED LOCATIONS: AVERAGE					
Residential	7,333				7,333
Commercial	370				370
Municipal	45				45
Educational	23				23
TOTAL	7,771				7,771
REVENUE/THERM: AVERAGE					
Residential	\$0.9030				\$0.9030
Commercial	\$0.6053				\$0.6053
Municipal	\$1.0741				\$1.0741
Water Production	\$0.3748				\$0.3748
Educational	\$0.4387				\$0.4387
AVERAGE	\$0.7611				\$0.7611
LOSS CALCULATION					
Gas Received (therms)	627,220				627,220
Qtrly Losses (Gains)	(53,861)				(53,861)
% Qtrly Losses (Gains)	(8.59%)				(8.59%)
YTD CUMM LOSSES (GAINS)	(8.59%)				(8.59%)

WATER CONSUMPTION

Financial Status - Unaudited // FY2022

Unaudited quarterly reports may include changes to prior quarters' data. Financial data is not final until audited.

	QTR 1	QTR 2	QTR 3	QTR 4	TOTAI
REVENUES					
Residential	1,618,226				1,618,220
Commercial	162,344				162,34
Municipal	184,934				184,93
Educational	89,698				89,69
Misc./Backcharges	25,804				25,80
TOTAL	\$2,081,006				\$2,081,00
SALES: THOUSAND GALLONS					
Residential	233,022				233,02
Commercial	23,373				23,37
Municipal	30,172				30,17
Educational	17,804				17,80
TOTAL	304,371				304,37
BILLED LOCATIONS: AVERAGE					
Residential	6,884				6,88
Commercial	276				27
Municipal	91				9
Educational	25				2
TOTAL	7,276				7,27
REVENUE/THOUSAND GALLO	NS: AVERAGE				
Residential	\$6.9445				\$6.944
Commercial	\$6.9459				\$6.945
Municipal	\$6.1294				\$6.129
Educational	\$5.0381				\$5.038
AVERAGE	\$6.7523				\$6.752
LOSS CALCULATION					
Water Received (kGal)	317,530				317,53
Qtrly Losses (Gains)	13,159				13,15
% Qtrly Losses (Gains)	4.14%				4.14
YTD CUMM LOSSES (GAINS)	4.14%				4.149

WASTEWATER CONSUMPTION

Financial Status - Unaudited // FY2022

Unaudited quarterly reports may include changes to prior quarters' data. Financial data is not final until audited.

	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
REVENUES					
All Retail	1,466,771				1,466,771
Municipal/Effluent*	128,180				128,180
Misc./Backcharges	0				0
TOTAL	\$1,594,951				\$1,594,951
TREATED: THOUSAND GALLON	S				
Los Alamos	67,256				67,256
White Rock	27,351				27,351
TOTAL	94,607				94,607
REVENUE/TREATED	\$16.86				\$16.86

NOTE : * Effluent revenue is reported on the financial statements under Water Production



Quarterly Performance Report

Los Alamos Dept. of Public Utilities 1000 Central Avenue, Suite 130 Los Alamos, NM 87544 https://ladpu.com/utilities