

2018 COUNCIL REVIEW

BOARD OF PUBLIC UTILITIES

SEPTEMBER 11, 2018



BOARD OF PUBLIC UTILITIES BRIEFING TO COUNTY COUNCIL – SEPTEMBER 11, 2018

BOARD MEMBERS

- PAUL FREDERICKSON (1)
- JEFF JOHNSON (2) - CHAIR
- KATHLEEN TAYLOR (3)
- CARRIE WALKER (4) - VICE CHAIR
- STEPHEN MCLIN (5)

BPU/DPU 2018 ACTIONS AND ACCOMPLISHMENTS:

- Continuation Of SMR Project With Major Decisions About Future Involvement Due In FY19
 - The UAMPS Board Of Governors Negotiated A No-Risk One Year Extension To Delay Final Commitment To Buy-into CFPP Project
 - BPU And Council Voted To Remain In CFPP For One More Year
- Paid Down \$2.5M Of Los Alamos Waste Water Treatment Facility Via Transfer To Waste Water Utility From Gas Fund By Ordinance Approved By Both BPU And Council
- DPU Took Advantage Of Historically Low Interest Loans To Reposition LA Waste Water Plant Loan And Lock In Low Interest Financing For The White Rock Waste Treatment Plant
- Developed Financing Strategy For Both Waste Water Plants That Will Mitigate Future Rate Increases and Meet Financial Policy Goals Faster

BPU/DPU 2018 ACTIONS AND ACCOMPLISHMENTS:

- Starting Discussion About Updating Distributed Generation (Roof-top Solar) Billing Structure
- Rolled-out ERP Software In July 2018
- White Rock Sub-station Upgrade
- Solar Garden Study
- Review Of In-county Locations For Utility Solar
- Gas, Water And Sewer (GWS) Geographic Information Systems (GIS) Data Sets Was Modified And Converted All GWS Assets Into The New Tyler Munis Software System
- Continuation Of Enhanced Water Meter Installation Project
- A Project To Install A New Stand-alone Air Conditioning System In The DPU SCADA Rooms Was Initiated
- DPU Executed a State Required Functional Exercise For The Los Alamos Canyon Dam Emergency Action Plan
- Modifying Network Integrated Transmission Service Agreement (NITSA) With PNM to Strategically Reduce Reserve Costs

BPU/DPU 2018 ACTIONS AND ACCOMPLISHMENTS:

- Non-potable System Is Now Available Year Round Due To The Finalization Of Capital Improvement Projects To Enable Year Round Operations
- Voted To Exit SJGS In 2022
- Planning, design and installation on a new gas pressure regulating station in the Quemazon Subdivision
- Expanded Tracking Of Performance Metrics
- Work Continues On The Design And Environmental Documents For The Camp May Water Extension Project

BPU/DPU 2018 ACTIONS AND ACCOMPLISHMENTS:

CONTINUATION OF FER RECOMMENDATIONS / INTEGRATED RESOURCE PLAN

- PRELIMINARY NEGOTIATIONS WITH WAPA FOR COST EFFECTIVE POWER TRANSMISSION FROM IDAHO FOR CFPP
- CONTINUATION WITH THE CFPP
- DISPATCHABLE LOAD REVIEW
- MODEL THE COUNTY ELECTRIC DISTRIBUTION GRID
- INVESTIGATE ADDING UTILITY-SCALE SOLAR WITH ENERGY STORAGE TO THE COUNTY'S ENERGY PORTFOLIO
- RESEARCH ADDING A COMMUNITY SOLAR GARDEN AS AN OPTION FOR CITIZENS IN THE COMMUNITY.
- MODEL THE ELECTRIC DISTRIBUTION SYSTEM
- DPU STAFF PRESENTED SOME OPTIONS FOR UNBUNDLING RATES ALONG WITH A VALUE OF SOLAR TARIFF FOR BPU'S CONSIDERATION.

BPU/DPU 2018 PUBLIC OUTREACH:

- Presentation on the Integrated Resource Plan
- CFPP presentations (January, February and March)
- Annual Water Festival
- School presentation on how waste water is collected and treated
- BPU met with student group presenting low-flow hydro science demonstration
- Scoping meeting on ski hill potable water extension



BPU/DPU 2018 DEPARTMENT UPGRADES:

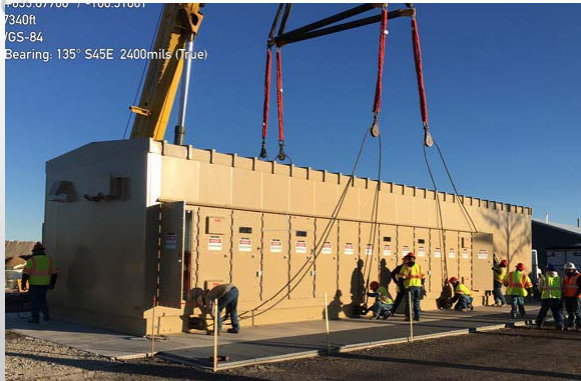


Replaced 800 feet of primary underground cable along Connie Street in White Rock



Trench across New Mexico State Road 4 to install a water line to connect the new Otowi 2 Well to the water supply system.

BPU/DPU 2018 DEPARTMENT UPGRADES:



Completion of the TA-3 Switchgear Substation

Successful DPU Negotiation with NNSA to include important safety features for county side system

In November, an outage on one of the two electric feeder lines from the Los Alamos National Laboratory caused a ripple outage through the LAC system. The entire town site lost power for two hours raising SAIDI from 21 minutes to over 2 hours. The new Los Alamos Switchgear Substation will provide additional redundancy.

BPU/DPU 2018 DEPARTMENT UPGRADES:



Repaired La Reservoir Road And Installed Non-potable Water Line – Greatly Increasing Non-potable System; Reservoir Opened To The Public! (this project was funded by a 90% grant 10% loan from NM Water Trust Board)



Started Otowi #2 Well Development

BPU/DPU 2018 DEPARTMENT UPGRADES:



Replace the battery systems that supply the plant control systems at the Abiquiu and El Vado hydroelectric facilities.



Replace the circuit breakers at the White Rock Substation.

BPU/DPU 2018 DEPARTMENT UPGRADES:



Repaired Oil Leak in the El Vado Hydro Plant

Install new software and hardware at the Abiquiu hydroelectric plant to integrate the controls of low-flow turbine and the two larger turbines into one process logic controller.

DPU 2018 SAFETY EMPLOYEES OF EACH QUARTER



4Q FY17
Rick Herrera
Water Production



1QFY18
Eric Sanchez Electric
Distribution



2Q FY18
Gary Trujillo, Electrician
Water Production



3Q FY18
LOREN FREYER, SENIOR PIPE
FITTER GAS, WATER & SEWER
DIVISION

BPU 2019 FOCUS AREAS:

- CONTINUE WORKING ON FER STRATEGIC IMPLEMENTATION PLAN, INCLUDING MAKING NEAR TERM DECISIONS AND RECOMMENDATIONS THAT WILL INFLUENCE FUTURE DPU INITIATIVES
- REVIEWING AND PROVIDING COMMENT ON THE INTEGRATED RESOURCE PLAN FOR FUTURE LAC POWER SUPPLIES
- DETERMINE FEASIBILITY OF CARBON FREE POWER PROJECT
- INVESTIGATION OF EXPANSION OF UTILITY-SCALE SOLAR / OTHER UTILITY SCALE POWER TO BACK FILL LOSS OF SJGS
- DEVELOPMENT OF SYSTEM MODEL TO DETERMINE MAXIMUM DISTRIBUTED SOLAR PENETRATION IN LAC
 - DRIVE RATE STRUCTURE
 - POLICY INITIATIVES
 - COUNTY INVOLVEMENT AND INTERACTION



BPU 2019 FOCUS AREAS:

- ADVANCED METERING INFRASTRUCTURE PROJECT IMPLEMENTATION (SMART METERS)
- WHITE ROCK WASTEWATER TREATMENT PLANT REPLACEMENT
- FUTURE NON-COAL ELECTRICAL POWER SOURCES
- FUTURE OF LARAMIE RIVER STATION OWNERSHIP
- LAC/NNSA ELECTRIC COORDINATION AGREEMENT
- SUBMITTAL OF A ZIA AWARD APPLICATION THROUGH QUALITY NEW MEXICO