

2017 COUNCIL REVIEW

BOARD OF PUBLIC UTILITIES

SEPTEMBER 19, 2017



ATTACHMENT A



BOARD OF PUBLIC UTILITIES BRIEFING TO COUNTY COUNCIL – SEPTEMBER 19, 2017

- BOARD MEMBERS
 - STEPHEN McLIN (1)* - VICE CHAIR
 - PAUL FREDERICKSON (2)*
 - JEFF JOHNSON (3)* - CHAIR
 - KATHLEEN TAYLOR (4)*
 - CARRIE WALKER (5)*
- * YEARS REMAINING

BPU/DPU 2017 IMPACTING ACTIONS:

- CONTINUED WITH DEVELOPMENT OF THE FER RECOMMENDATIONS
- STARTED IMPLEMENTATION OF FINANCIAL POLICY – THIS RESULTED IN START OF SEVERAL RATE CHANGES TO ALIGN UTILITY WITH POLICY GUIDELINES
 - ❖ REDUCED GAS RATE TO SPEND DOWN RATE STABILIZATION FUND
 - ❖ INCREASED WATER RATE IN ANTICIPATION OF CAPITAL OUTLAYS AND TO FUND RESERVE FUNDS
 - ❖ INCREASED SEWER RATE IN ANTICIPATION OF REPLACEMENT WRWTF AND TO START IMPLEMENTATION OF FINANCIAL POLIC
- ANNUAL INFRASTRUCTURE REVIEWS OF EACH UTILITY
- CONTINUATION OF SMR PROJECT WITH MAJOR DECISIONS ABOUT FUTURE INVOLVEMENT DUE IN FY18
- BOTH HYDRO PLANTS ARE BACK ON LINE MAKING POWER!

BPU/DPU 2017 ACCOMPLISHMENTS:

CONTINUATION OF FER RECOMMENDATIONS / INTEGRATED RESOURCE PLAN

- COMPLETED IRP – WILL PROVIDE GUIDANCE TO COST EFFECTIVELY IMPLEMENT CARBON NEUTRAL GOALS
- DEVELOPED COST OF SOLAR STUDY – WILL PROVIDE GUIDANCE FOR TARIFF PRICING OF GENERATED SOLAR AND COST OF SERVICE
- CONTINUED INVOLVEMENT OF SMU PROJECT WITH UAMPS
- REVIEWED OPTIONS FOR A COMMERCIAL SOLAR ARRAY WITH THE LOS ALAMOS POWER POOL
- SURVEYED PUBLIC ABOUT INTEREST IF SOLAR GARDEN
- DEVELOPMENT OF ELECTRIC DISTRIBUTION MODELS – HELP IDENTIFY BANDWIDTH FOR AVAILABLE DISTRIBUTED SOLAR
- CONTRACT TO DEPLOY SMART METERING

BPU/DPU 2017 PUBLIC OUTREACH:

Public outreach sessions on the FER recommendations; SMR project , The Long Range Water Plan, the White Rock Waste Treatment Plant Replacement Project, The Value of Solar, The Integrated Resource Plan and participate in the annual PEEC water festival; participated in the PEEC home energy expo



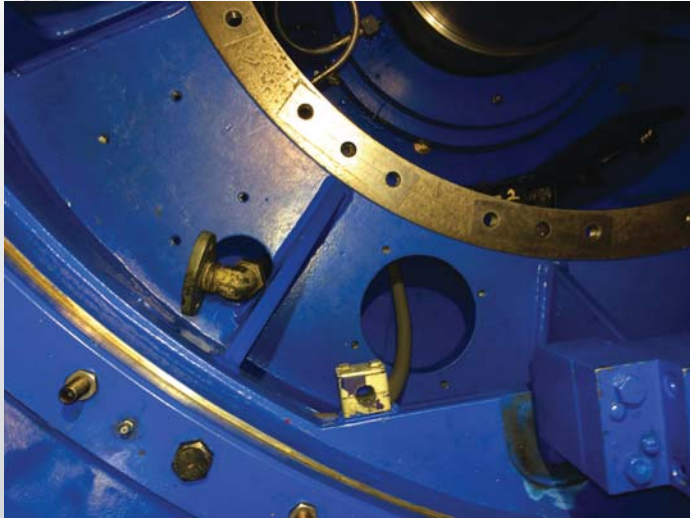
BPU/DPU 2017 DEPARTMENT UPGRADES:

- ROLL OUT OF THE UTILITY APP
- CONTINUATION OF THE WATER METER REPLACEMENT PROJECT
- START OF SMART METER INSTALLATION EFFORT
- COMPLETION OF THE WESTEN AREA WATERLINE REPLACEMENT PROJECT
- STARTED WELL REPLACEMENT PROJECT, 1ST SUCH EFFORT IN LAC HISTORY
- START OF TA-3 SUBSTATION INSTALLATION PROJECT
- INSTALLATION OF NEW GAS PUMP IN WELL #4
- REPLACEMENT OF 7300 FT OF STEEL GAS LINE WITH POLYETHYLENE PIPE
- REHABILITATION OF VCP SEWER MAINS
- INSTALLATION OF PEDESTRIAN BRIDGE AT LA RESERVOIR
- UPGRADE OF ABIQUIU CONTROL SYSTEM

BPU/DPU 2017 DEPARTMENT UPGRADES:

- PROGRAMMED THE SCADA SYSTEM TO RUN THE NON-POTABLE PUMPING SYSTEM COMPLETELY IN AUTOMATIC MODE.
- CHANGED OUT OVER 1000 WATER METERS AND 255 GAS METERS WHILE STILL GETTING ALL REGULAR O&M TASKS ACCOMPLISHED.
- ELECTRICAL DISTRIBUTION CREWS OVERSAW CONSTRUCTION OF THE NEW BANDELIER NATIONAL MONUMENT ELECTRICAL SYSTEM
- RESOLVED A NATURAL GAS OVERPRESSURE PROTECTION PROBLEM AT THE MIDDLE SCHOOL AND A RECURRING LOW PRESSURE PROBLEM AT THE HIGH SCHOOL.
- REPROGRAMMED THE WATER PRODUCTION SCADA SYSTEM TO OPERATE THE PAJARITO SYSTEM IN AUTOMATIC MODE.
- COMPLETED A MAJOR UPGRADE OF THE NON-POTABLE SYSTEM THAT NOW ALLOWS THE SYSTEM TO FEED THE GOLF COURSE AND N. MESA BALL FIELDS BY GRAVITY.
- PROVIDED 75 MILLION GALLONS OF TREATED EFFLUENT REUSE WATER TO THE COUNTY PARKS
- VIDEO INSPECTED 60,000 LINEAR FT OF SEWER LINE
- FLUSHED, CLEANED AND CLEARED OF ROOTS 70 MILES OF SEWER MAIN.

BPU/DPU 2017 DEPARTMENT UPGRADES:



Repair and return to service of both Hydro plants



Successful FEMA grant application for LA Reservoir road repair and non-potable water line installation

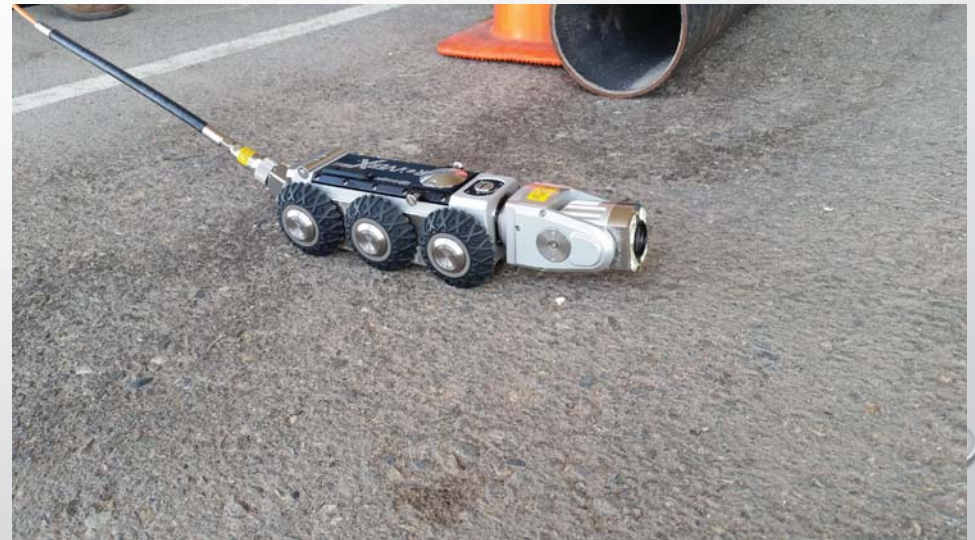


Conceptual design and cost estimate for WRWWTF

BPU/DPU 2017 DEPARTMENT UPGRADES:



New sewer video camera equipment permits crews to inspect inaccessible sewer lines



BPU/DPU 2017 DEPARTMENT UPGRADES:



Over 200 pole and fiberglass cross-arm replacements

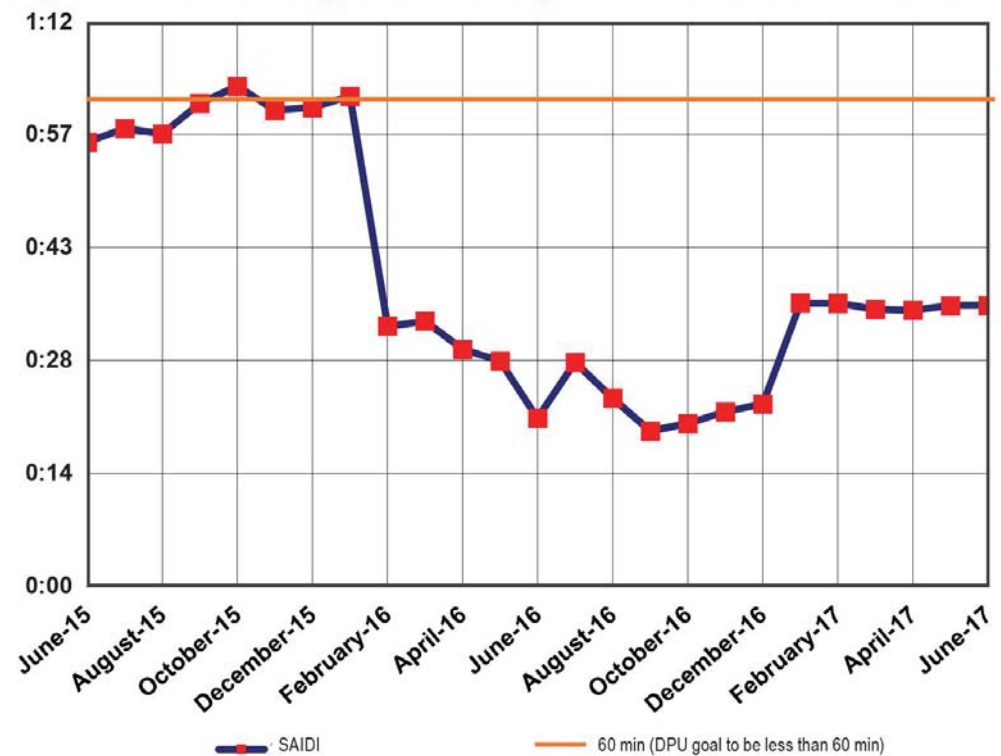


Los Alamos Switch Gear Substation – will provide Los Alamos County with a 2nd substation and 8 new power lines for power distribution

DPU 2017 ACCOMPLISHMENTS:

Electric System average interruption duration index (SAIDI) at 35 minutes, well below the 60 minute standard – this compares to a high of over 300 in 2008

System Average Interruption Duration Index



DPU 2017 ACCOMPLISHMENTS:

UAMPS presented
DPU with a 2016
system improvement
award for reducing
SAIDI



BPU 2018 FOCUS AREAS:

- CONTINUE IMPLEMENTATION OF FINANCIAL POLICY
- 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
- SAN JUAN GENERATING STATION DECISION POINTS
- DETERMINATION AND 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 2018 FOCUS AREAS:

- ADVANCED METERING INFRASTRUCTURE PROJECT IMPLEMENTATION (SMART METERS)
 - SMR PARTICIPATION
 - WHITE ROCK WASTEWATER TREATMENT PLANT REPLACEMENT
 - ❖ DEVELOPING COST EFFECTIVE STRATEGIES FOR 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 IN 2017
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