

(ACT) – ACTION NEEDED
(INF) – INFORMATION ONLY
(DIS) – DISCRETIONARY

BOARD OF PUBLIC UTILITIES OF THE CITY OF NEEDLES
TUESDAY, APRIL 5, 2022 - 4:00 P.M. – REGULAR MEETING
CITY COUNCIL CHAMBERS - 1111 BAILEY AVENUE, NEEDLES

AGENDA

AUTHORIZED BY AB 361

**THE CHAIRMAN AND COMMISSIONERS MAY BE ATTENDING THIS MEETING
TELEPHONICALLY BY CALLING THE FOLLOWING NUMBER:
1-866-576-7975 - Participant access: 853544**

**THE PUBLIC MAY ALSO ATTEND BY CALLING THE ABOVE NUMBER AND
MAY SUBMIT ANY COMMENTS IN WRITING PRIOR TO 12:00 NOON THE DAY
OF THE MEETING BY EMAILING csallis@cityofneedles.com**

MASKS ARE ENCOURAGED TO ATTEND THIS MEETING

Call to Order - Roll Call

Approval of Agenda

(ACT)

Correspondence

Public Appearance: Persons wishing to address the Board on subjects other than those scheduled are requested to do so at this time. When called by the Chairman, please come to the podium and announce your name and address for the record. In order to conduct a timely meeting, a three minute time limit per person has been established by Municipal Code Section 2-18. Amendments to California Government Code Sec. 54950 prohibits the Board from taking action on a specific item until it appears on the agenda.

Consent Calendar: All matters listed on the Consent Calendar are considered to be routine and will be enacted by one motion in the form listed. The Chairman or any Member of the Board may pull an item from the Consent Calendar for discussion. Prior to Board action, a member of the public may address the Board on matters scheduled on the Consent Calendar. A three-minute time limit per person applies.

Recommended Action: Approve Items 1 through 4 on the Consent Calendar by affirmative vote (ACT)

1. Minutes of regular meeting held March 15, 2022
2. Resolution No. 4-5-22 BPU authorizing the city manager or designee to apply for and receive financial assistance from the California State Water Resources Control Board for the planning, design, and construction of the replacement of Needles City Well No. 11 Treatment System and Distribution Pipeline

3. Resolution No. 4-5-22-1 BPU authorizing the city manager or designee to apply for and receive financial assistance from the California State Water Resources Control Board for the planning, design and construction of the Waterline and Manifold Replacement: Backup Generators at existing well sites
4. Adopt a revised Electric Statement of Policies dated April 2022 by amending the Power Cost Adjustment (PCA) Balancing Fund to reflect the PCA to be twenty percent (20%) of the yearly over-hydro budgeted power costs for the fiscal year (annual budget or revised budget as applicable)

Regular Items (A three minute time limit per person has been established per Municipal Code Section 2-18)

5. Review of Western Area Power Administration Group Power Purchase Q4 FY22 forward pricing (INF)

Reports (INF)

6. EUSI, LLC operational support services relating to the wastewater treatment facility and collection system February 2022
7. Monthly activity report January 2022

Pending Matters (not for discussion at this time)

- a) Board consideration to move an action to the City Council regarding debt relief (meeting of February 1, 2022)

Manager's Report

- a) Incident Report(s)

Board Requests

Adjournment

Posted: March 30, 2022

**INTERNET ACCESS TO BOARD AGENDA AND STAFF REPORT MATERIAL
IS AVAILABLE PRIOR TO THE MEETING AT
<http://www.cityofneedles.com>**

SB 343 - DOCUMENTS RELATED TO OPEN SESSION AGENDAS - Any public record, relating to an open session agenda item, that is distributed within 72 hours prior to a meeting is available for public inspection at the Needles Administrative Office, 817 Third Street, Needles, CA 92363.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Cheryl Sallis, Secretary to the Board, at (760) 326-2113 ext 115. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting (28 CFR 35.102-104 ADA Title II)

BOARD OF PUBLIC UTILITIES

March 15, 2022

The regular meeting of the Board of Public Utilities held on the 15th day of March, 2022, was called to order at 4:00 p.m. with CHAIRMAN CAMPBELL presiding and the following COMMISSIONERS present:

COMMISSIONERS LeJEUNE, BROWN, MOFFITT, SCHNEIDER AND McNEIL

Also Present: SECRETARY SALLIS, CITY MANAGER DANIELS AND OTHER KEY STAFF

APPROVAL Sylvia Miledi, finance director, requested that the audit presentation be moved to
AGENDA the last item on the regular agenda as we're waiting on the auditors.

COMMISSIONER MOFFITT MOVED, SECONDED BY COMMISSIONER BROWN, to move agenda item 1, audit presentation, to after agenda item 4, power purchase cost adjustment, and approve the agenda as revised. Motion carried by the following roll call vote:

AYES: CHAIRMAN CAMPBELL, COMMISSIONERS LeJEUNE,
BROWN, MOFFITT, SCHNEIDER AND McNEIL
NOES: NONE
ABSENT: NONE

CORSPNDN: None

PBLC APRN: None

CONSENT None
CALNDR

REG ITEMS: COMMISSIONER MOFFITT MOVED, SECONDED BY COMMISSIONER BROWN, to approve the minutes of the adjourned regular meeting held March 1, 2022. Motion carried by the following roll call vote:

MINS OF
MAR 1, '22

AYES: CHAIRMAN CAMPBELL, COMMISSIONERS LeJEUNE,
BROWN, MOFFITT AND SCHNEIDER
NOES: NONE
ABSENT: NONE
ABSTAIN: COMMISSIONER McNEIL

REVISED Rainie Torrance, asst utility manager, spoke on the staff recommended increase
ELECT in the power cost adjustment (PCA) from \$750,000 to \$1.4 million in essence
STMT OF doubling the reserve to mitigate unanticipated increase(s) in energy costs.
POLICIES An extended discussion ensued on the history of power cost increases over the
last year; the need to increase the PCA to cover those costs; an amount that will
be sufficient to keep the PCA out of a negative balance; how it's calculated and
purpose.

COMMISSIONER SCHNEIDER explained that if prices and inflation do not stabilize, it would be logical to make the PCA a percentage and not a fixed dollar amount. The PCA balance target is a percentage of over-hydro power purchase costs which is a budgeted amount, not a fixed amount. He suggested that the Statement of Policies, Power Cost Adjustment (PCA) Balancing Fund be revised to read that the Balancing Fund is to be twenty percent (20%) of the yearly over-hydro budgeted power costs. This language will allow the PCA to be adjusted as needed based on the budget or revised budget numbers as approved by the Board and NPUA. A revised Statement of Policies will be brought back at the next meeting for Board consideration and approval.

PCA JAN-
FEB '22

Asst Utility Manager Torrance explained the analysis of a 1¢ increase in the over-hydro rate on the PCA balance which is estimated at approximately \$141,663 for April, May and June. An extended review and discussion followed on increasing the over-hydro rate by 1¢ in order to increase the buffer to the PCA balance.

City Manager Daniels explained that he does not think the City Council is prepared for a rate increase today and asked for the opportunity to brief them before any Board action.

CHAIRMAN CAMPBELL suggested staying with the current rates until the Board makes the change in the electric rate policy to a percentage, not fixed amount. 1¢ is not a significant increase and will be increasing through June to get closer to the \$750,000 PCA balance. He noted the cash reserve of \$3 million to fall back on if necessary.

A brief discussion followed on looking at historical data to project future rates and providing public notice of any potential increase so the residents are aware and can support. COMMISSIONER BROWN requested an editorial in the next utility newsletter that is simple and focused on the summer months.

NPUA
AUDIT
FY 2021

Dave Burger, Burger & Comer, P.C., reviewed the Needles Public Utility Authority's audit report for the fiscal year ended June 30, 2021 noting that there was a transfer of capital assets from the city to the NPUA financial statement, there were no material weaknesses, deficiencies or noncompliance material to the financial statement, and wastewater was the only fund showing a deficit at the end of the fiscal year but need to look at the NPUA as a whole. One big change is the cash balance but he believes that is related to the customer deposits which increased quite a bit due to the cannabis activity.

City Manager Daniels pointed out that the total utility net position is \$10.7 million but each utility is required to entirely fund itself. In years past, some utilities were not paying their full cost and were relying on other departments to cover the shortfall. Wastewater has a net negative position of \$739,570 which needs to be acknowledged. Staff will be adding a response to the audit that will propose solutions to balance that deficit in next year's budget. Mr. Burger responded that the negative is actually \$281,000 that needs to close to break even in wastewater and to disregard the capital contribution. Both CHAIRMAN CAMPBELL and COMMISSIONER SCHNEIDER acknowledged a significant positive change in

wastewater which indicates the rates are working and are generating sufficient revenue.

COMMISSIONER MOFFITT MOVED, SECONDED BY COMMISSIONER McNEIL, to accept the Needles Public Utility Authority audit report for the fiscal year ended June 30, 2021 and forward to the NPUA. Motion carried by the following roll call vote:

AYES: CHAIRMAN CAMPBELL, COMMISSIONERS LeJEUNE, BROWN, MOFFITT, SCHNEIDER AND McNEIL
NOES: NONE
ABSENT: NONE

REPORTS: CHAIRMAN CAMPBELL acknowledged the following reports: 1) Central Square AnalyticsNOW software update to the utility's reporting system; 2) Western Area Power Administration group power purchase Q2 FY 22 on peak (June 2022)

MGR'S RPT: City Manager Daniels reported: 1) five high school students vandalized and destroyed an electric pedestal at Jack Smith Park. Have video and have been able to identify the students. Will be meeting with the parents and students next week; 2) update on well #16 noting an email update that was sent to the Board Members. Borehole showed incredible amounts of water but exceeds allowable iron and manganese content. Spoke on options reviewed for well #16 and the best one being to replace the water treatment plant at the well field at the golf course. Staff has been in contact with the State Water Resources Control Board regarding funding. The driller has been notified to cap well #16.

BRD RQSTS: COMMISSIONER SCHNEIDER requested that when staff discusses a possible renegotiation of the hydropower contract with the federal government, they make sure that wording gets in that if the drought gets alleviated during the life of the contract, the city's allocation will revert back to the original agreement.

AUDIT COMMISSIONER SCHNEIDER requested that future audit presentations include a visual as it's difficult to follow with verbal only.

UTILITY BILLING COMMISSIONER SCHNEIDER explained that with the new utility software it got him thinking about the billing as he would like to be able to pay his bills online. City Manager Daniels responded that customers can pay online with a credit card through PayPal and no additional fee.

CHAIRMAN CAMPBELL declared the regular meeting of the Board of Public Utilities held on the 15th day of March, 2022, adjourned at 5:42 p.m.

ATTEST: _____
Chairman

Secretary



City of Needles, California Request for Board Action

CITY COUNCIL NPUA BOARD OF PUBLIC UTILITIES
 Regular Special

Meeting Date: April 5, 2022

Title: Adopt Resolution No. 4-5-22 BPU Authorizing the City Manager or Designee to Apply for and Received Financial Assistance from the California State Water Resources Control Board for the Planning, Design and Construction of the Replacement of Needles City Well No. 11 Treatment System and Distribution Pipeline

Background: The City of Needles has experienced water quality issues including iron and manganese above the secondary maximum contaminant level (SMCL) at some of its existing groundwater wells. A pilot well at the proposed Well No. 16 site was recently drilled and sampled, and the results indicate that iron and manganese are also above the SMCL. Therefore, the City capped the pilot well for future potential use and focus on wellhead treatment at their existing Well No. 11.

Well No. 11 was recently rehabilitated and a new pump installed, and it is expected to produce up to 2,500 gallons per minute. Existing treatment processes at Well No. 11 include chlorination and catalytic filtration for iron and manganese removal, although the filtration system has been offline and not used for over 10 years. The existing treatment system was purchased in used condition and is currently in poor condition. The treatment system is beyond its useful life and should be replaced with a new treatment system to remove iron and manganese to provide the City with a reliable backup source to Well No. 15.

The centralized treatment project can not only treat Well No. 11 but will also be capable to treat Well No. 12, 15 and even 16 at such time the City develops the well out.

Scope of Improvements:

The proposed system will consist of chlorination and a new manganese dioxide media filtration system. The following improvements are recommended to bring Well No. 11 back online and improve water quality.

- Demolition of existing treatment system (contact vessels, filtration vessels, chlorine system, sulfur dioxide system, backwash reclaim system, water storage tank, controls and piping that can not be reused)
- Rehabilitation or replacement of 75,000-gallon backwash reclaim tank (likely replacement with one new tank)
- New backwash reclaim system (pump and floating decanter)



City of Needles, California Request for Board Action

- New 2,500 gpm manganese dioxide or Greensand Plus filtration for iron and manganese removal
- New sodium hypochlorite storage and feed system for pre-filter oxidization and distribution system disinfection.
- New control system (PLC with operator interface with SCADA integration and/or alarm callout)
- Associated piping and valves (manual and automated)

Anticipated Operation & Maintenance

A new filtration and treatment system will be easier to maintain than rehabilitating the deteriorating existing system. The new filtration system will be fully automated. When one filter cell is in backwash mode, the other filter cells will remain in filtration mode to provide treated water for backwashing. The system is automatically placed back into service mode after each of the filter cells have been backwashed. Backwashes can be triggered by differential pressure, runtime, throughput, or can be manually initiated. The solenoid valves on the filtration system should be checked annually for proper operation.

Fiscal Impact: To be determined

Recommended Action: Adopt Resolution No. 4-5-22 BPU Authorizing the City Manager or Designee to Apply for and Received Financial Assistance from the California State Water Resources Control Board for the Planning, Design and Construction of the Replacement of Needles City Well No. 11 Treatment System and Distribution Pipeline

Submitted By: Rainie Torrance, Assistant Utility Manager

City Management Review: Rick

Date: 3/30/22

Approved:

Not Approved:

Tabled:

Other:

Agenda Item: _____

RESOLUTION NO. 4-5-22 BPU

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEEDLES AUTHORIZING THE CITY MANAGER OR DESIGNEE TO APPLY FOR AND RECEIVE FINANCING FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD FOR THE PLANNING, DESIGN AND CONSTRUCTION OF THE REPLACEMENT OF NEEDLES CITY WELL NO. 11 TREATMENT SYSTEM AND DISTRIBUTION PIPELINE

WHEREAS, the City of Needles (the “City”) desires to seek funding for the planning, design, and construction of improvements to the water supply facilities of the City to meet water quality and quantity requirements and demands; and

WHEREAS, the City has completed a financial assistance application for the Replacement of Needles City Well No. 11 Treatment System and Distribution Pipeline (the “Project”) through the State Water Resources Control Board; and

NOW, THEREFORE, BE IT RESOLVED, by the Board of Public Utilities (“Board”) of the City of Needles as follows:

SECTION 1: The City Manager (the “Authorized Representative”) or designee is hereby authorized and directed to sign and file, for and on behalf of the City, a Financial Assistance Application for a financing agreement from the State Water Resources Control Board for the planning, design, and construction of the Project.

SECTION 2: This Authorized Representative, or his/her designee, is designated to provide the assurances, certifications, and commitments required for the financial assistance application, including executing a financial assistance agreement from the State Water Resources Control Board and any amendments or changes thereto.

SECTION 3: The Authorized Representative, or his/her designee, is designated to represent the City in carrying out the City’s responsibilities under the financing agreement, including certifying disbursement requests on behalf of the City and compliance with applicable state and federal laws.

PASSED, APPROVED, AND ADOPTED at a regular meeting of the Board of Public Utilities of the City of Needles, California, held on the 5th day of April 2022, by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Chairman

ATTEST: _____
Secretary



City of Needles

817 Third Street, Needles, California 92363
(760) 326-2113 • FAX (760) 326-6765
www.cityofneedles.com

Mayor, Jeff Williams
Vice Mayor Edward T. Paget, M.D.
Councilmember Tona Belt
Councilmember Wade Evans
Councilmember Zachery Longacre
Councilmember Kirsten Merritt
Councilmember Ellen Campbell
City Manager Rick Daniels

Via email to: Pete.Stamas@waterboards.ca.gov

March 9, 2022

State Water Resource Control Board
Office of Sustainable Water Solutions
c/o Mr. Peter Stamas, P.E.
1001 I Street
Sacramento, CA 95814

Subject: City of Needles New Well No. 16 Update and Water Quality Results

Dear Mr. Stamas,

The City of Needles (City) appreciates the State Water Resource Control Board's (SWRCB) continued support in completing the construction of a new well (Well No. 16) to provide a critical second potable water supply to the City. As you are aware, the City has contracted with Layne Christensen Company (Layne) for the Well No. 16 construction; and construction began on February 14, 2022.

Layne completed the installation of the well conductor casing on February 16 and began drilling the pilot hole on February 18. Pilot hole drilling was terminated at a total depth of 400' on February 19. Thereafter, the hydrogeologist established two zones within the borehole to complete aquifer zone testing. Said testing was completed by Layne on February 23 and a total of four samples were collected and sent to two different labs for water quality analysis. Both zones showed good conductivity during aquifer zone testing, with each zone supporting more than the targeted production capacity of 2,500 gallons per minute (gpm).

The lower zone (Zone 1) was centered around 301' below ground surface and the upper zone (Zone 2) was centered around 133' below ground surface. The lab results show that in both zones the iron is above the State's Secondary Maximum Contaminate Level (SMCL) and manganese is either near or above the SMCL in Zone 2 and below the SMCL in Zone 1. The iron content was further analyzed and found to be primarily ferric iron. Additionally, the total dissolved solids (TDS) were generally between 800-900 mg/L in both zones, with a SMCL at 500 mg/l. Following, the City has conducted several meeting with staff, hydrogeologist, and engineering consultants better understand the water quality findings and identify the best path forward.

Based on these conversations, three alternatives were identified:

- 1. Complete Construction of Well No. 16** – The City could continue with the construction of Well No. 16 and only build the lower Zone 1 with the hope that the elevated iron and TDS level dissipated during well development. Zone 1 has slightly better manganese results than Zone 2, but there are no guarantees that iron and TDS levels will improve below the SMCL after development. Should iron levels not improve, the City would be

unable to put the well into service without adding treatment. Additionally, should the TDS levels remain the same, the City may receive complaints from customers regarding taste, color, and odor. Compounding the City's concerns with completing the well is that they have already received a citation from the SWRCB for iron and manganese in May 2021.

Without an additional funding source to add treatment if required following well completion, the City is unwilling to move forward with this alternative.

2. **Drill a New Well in an Alternative Location** – The City could explore drilling a new well in an alternative location; however, there are no guarantees that the water quality will be better at the alternative location. In addition, the City has limited options for alternative locations without purchasing additional real estate. Further, the cost for drilling a new pilot hole and completing zone testing to verify its feasibility for full construction is over \$300,000.

Historically, several of the City's wells have had challenges with elevated iron and manganese levels. For example, Wells 11, 12, and 8 were all removed from service due to water quality concerns. As such, Well No. 16's location was selected with the best available information related to potential causes for elevated iron and manganese. However, as noted above, the water quality has not improved.

3. **Abandon Well No. 16 and Construct a Treatment Facility at an Alternative Location** – The City completed a feasibility study in January 2021 to explore a treatment system at Well No. 11, see attached. The report evaluated three alternative to treat iron and manganese at Well No. 11 including: Rehabilitating the Existing Treatment System, Construction a New Manganese Dioxide Filtration System, and Sequestration. The report identified a new manganese dioxide filtration system as the recommended alternative. The new filtration system would provide a reliable treatment system that can achieve the City's water quality objectives and provide a critical second potable water supply. The estimated life of the improvements is greater than 20 years. The approximate capital cost is \$3.0 million, with an annual O&M cost of \$200,000 per year.

Following completion of the report, the City ultimately elected to drill a new well (Well no. 16) due to having a similar capital cost and lower O&M costs. However, given the water quality concerns identified during the construction of Well No. 16, this alternative is now the preferred alternative.

In an effort to control on-going standby costs at Well No. 16, the City is requesting approval from the SWRCB to cap the well and terminate the construction contract with Layne. Additionally, the City is requesting to start the funding agreement amendment process to repurpose the existing grant funding allocation toward the Well No. 11 manganese dioxide filtration system. While the City understands this may take some time to receive approval, they must move forward immediately with an alternative water supply project. The summer months are fast approaching and the City is still without a second potable water supply to serve its customers.

The City appreciates the opportunity to provide a project update to the SWRCB and request direction to move forward during these trying times. We look forward to continued dialogue and assistance with a funding agreement amendment to support the proposed supplemental water supply project.



City of Needles

817 Third Street, Needles, California 92363
(760) 326-2113 • FAX (760) 326-6765

www.cityofneedles.com

Mayor, Jeff Williams
Vice Mayor Edward T. Paget, M.D
Councilmember Tona Belt
Councilmember Wade Evans
Councilmember Zachery Longacre
Councilmember Kirsten Merritt
Councilmember Ellen Campbell

City Manager Rick Daniels

Sincerely,

**Rainie
Torrance**

Rainie Torrance
Assistant Utilities manager
City of Needles

Digitally signed by
Rainie Torrance
Date: 2022.03.09
11:32:25 -08'00'

Attachments: Table F-1 - Laboratory Analytical Results for Zonal Testing Performed
 February 2022
 Well No. 11 Groundwater Treatment System Alternatives Analysis

cc. Rick Daniels, City Manager rdaniels@cityofneedles.com

TABLE 1 - Murl Shaver Well #16
Laboratory Analytical Results
Zonal Testing Performed February 2022

ZONAL SCREEN INTERVAL (feet bls)	SAMPLE TYPE	ANALYTICAL LABORATORY	Zonal Lab Concentrations (mg/L)									
			Total Dissolved Solids	Nitrate (as N)	Fluoride	Iron (Total)	Ferrous Iron (2+)	Ferric Iron (3+)	Selenium	Manganese	Arsenic (Total)	
Z2: 123-143	Airlift	Pace	781	1.3	1.7	0.78	0.16	0.62	<0.0025	0.0386	0.0052	
	Pump	Pace	891	1.3	1.7	0.53	<0.08	0.53	<0.0025	0.0638	0.0060	
	Airlift	Eurofins	860	1.6	1.7	0.68	<0.1	0.68	0.0017	0.0320	0.0051	
	Pump	Eurofins	890	1.6	1.7	0.58	<0.1	0.58	0.0016	0.0510	0.0054	
Z1: 291-311	Airlift	Pace	927	0.91	1.4	0.46	0.10	0.36	<0.0025	0.0243	0.0068	
	Pump	Pace	909	0.87	1.4	0.43	<0.08	0.43	<0.0025	0.0292	0.0068	
	Airlift	Eurofins	900	1.1	1.4	0.42	<0.1	0.42	0.0014	0.0200	0.0061	
	Pump	Eurofins	880	1.1	1.4	0.41	<0.1	0.41	0.0016	0.0240	0.0060	
California MCL			NE	10.0	2.0	NE	NE	NE	0.05	NE	0.010	
California PHG/Secondary DWR			500	NE	1.0	0.3	NE	NE	0.03	0.05	0.000004	



City of Needles, California Request for Board Action

CITY COUNCIL NPUA BOARD OF PUBLIC UTILITIES
 Regular Special

Meeting Date: April 5, 2022

Title: Adopt Resolution No. 4-5-22-1 BPU Authorizing the City Manager or Designee to Apply for and Received Financial Assistance from the California State Water Resources Control Board for the Planning, Design and Construction of the Waterline and Manifold Replacement: Backup Generators at Existing Well Sites

Background: In January 2022 the City received \$50,179.05 from the Integrated Regional Water Management (IRWM) Disadvantaged Community Involvement Grant to design three areas of deteriorating service laterals and mains in the following areas: Monterey and Arizona Avenue, River Road and the City's Manifold.

Staff have been working to incorporate the waterline projects and back up generators at Well No. 15 and 11 into the existing grant application with the State Water Resource Control Board. The waterlines are designed and ready for bid. TKE Engineering is finalizing the design for the backup generators. All environmental clearances have been repaired and submitted.

The funding of this project will be incorporated into the Lilly Hill Booster Station, L Street Booster Station and Well No. 11 Treatment grant scope of work and budget.

Fiscal Impact: Project cost is estimated at \$1.5M

Recommended Action: Adopt Resolution No. 4-5-22-1 BPU Authorizing the City Manager or Designee to Apply for and Received Financial Assistance from the California State Water Resources Control Board for the Planning, Design and Construction of the Waterline and Manifold Replacement: Backup Generators at Existing Well Sites

Submitted By: Rainie Torrance, Assistant Utility Manager

City Management Review: Rick

Date: 3/30/22

Approved:

Not Approved:

Tabled:

Other:

Agenda Item: 3.

RESOLUTION NO. 4-5-22-1 BPU

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEEDLES AUTHORIZING THE CITY MANAGER OR DESIGNEE TO APPLY FOR AND RECEIVE FINANCING FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD FOR THE PLANNING, DESIGN AND CONSTRUCTION OF THE WATERLINE AND MANIFOLD REPLACEMENTS; BACKUP GENERATORS AT EXISTING WELL SITES

WHEREAS, the City of Needles (the “City”) desires to seek funding for the planning, design, and construction of improvements to the water supply facilities of the City to meet water quality and quantity requirements and demands; and

WHEREAS, the City has completed a financial assistance application for the Waterline and Manifold Replacements: Backup Generators at Existing Well Sites (the “Project”) through the State Water Resources Control Board; and

NOW, THEREFORE, BE IT RESOLVED, by the Board of Public Utilities (“Board”) of the City of Needles as follows:

SECTION 1: The City Manager (the “Authorized Representative”) or designee is hereby authorized and directed to sign and file, for and on behalf of the City, a Financial Assistance Application for a financing agreement from the State Water Resources Control Board for the planning, design, and construction of the Project.

SECTION 2: This Authorized Representative, or his/her designee, is designated to provide the assurances, certifications, and commitments required for the financial assistance application, including executing a financial assistance agreement from the State Water Resources Control Board and any amendments or changes thereto.

SECTION 3: The Authorized Representative, or his/her designee, is designated to represent the City in carrying out the City’s responsibilities under the financing agreement, including certifying disbursement requests on behalf of the City and compliance with applicable state and federal laws.

PASSED, APPROVED, AND ADOPTED at a regular meeting of the Board of Public Utilities of the City of Needles, California, held on the 5th day of April 2022, by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Chairman

ATTEST: _____
Secretary

4/29/2021 7:47 AM



GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. UNLESS DETAILED, SPECIFIED, OR OTHERWISE INDICATED ON THE DRAWINGS, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS.
3. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
4. ALL UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING DIGALERT FOR LOCATION OF ALL UTILITIES 48 HOURS BEFORE DIGGING.
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS.
6. TRAFFIC CONTROL TO CONFORM TO CITY STANDARDS.
7. PRESERVE OR RESTORE ALL EXISTING FENCES, ROADS, UTILITIES AND DITCHES.
8. ALL THRUST BLOCKS PER TYPICAL 230.
9. LOCATING WIRE SHALL BE INSTALLED FROM VALVE TO VALVE ON ALL WATERLINE.
10. MAINTAIN A 10 FT. MINIMUM HORIZONTAL DISTANCE FROM SEWER FOR ALL CULINARY WATER LINES.
11. MINIMUM COVER FROM TOP OF PIPE SHALL BE 3 FEET UNLESS SHOWN OTHERWISE.
12. EXISTING PIPES TO BE POT-HOLED PRIOR TO INSTALLATION OF PIPE WITH SUFFICIENT DISTANCE TO ADJUST GRADE OF PIPE BEING INSTALLED.
13. CONTRACTOR SHALL TAKE PICTURES/VIDEO EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
14. CONTRACTOR SHALL NOTIFY THE CITY A MINIMUM OF 48 HOURS IN ADVANCE OF ALL PLANNED SHUT DOWNS/INTERRUPTION OF SERVICE.
15. WHERE MEGA-LUGS ARE SHOWN W/OUT THRUST BLOCKS, JOINT RESTRAINT HARNESSES SHALL BE REQUIRED PER TYPICAL DETAIL 234.
16. LATERAL LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE FIELD DETERMINED AND AGREED UPON BY THE PROPERTY OWNER AND THE CITY.

LEGEND

— P	POWER
— FO	FIBER OPTIC
— G	GAS
— PWR	OVERHEAD POWER
— SD	STORM DRAIN
— SW	SEWER
— SW	SECONDARY WATER
— TEL	TELEPHONE
— W	WATER
—	EXIST. FENCE
—	DITCH FLOW LINE
—	PROPERTY BOUNDARY
—	GRADE BREAK

N:\PROJECTS\2101088 - WATERLINE AND MANIFOLD REPLACEMENTS\SHEETS\KEY PLAN.DWG



3341 SOUTH 4000 WEST
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50 EAST 100 SOUTH
HEBER CITY, UTAH 84032
(435) 854-6600

REVISION				
NO	DATE	REV BY	ISSUE	



817 THIRD STREET
NEEDLES, CA 92363
(760) 326-2113

PROJECT NAME
WATERLINE AND MANIFOLD REPLACEMENTS

PROJECT LOCATION
NEEDLES, CALIFORNIA

SCALES

11"x17": 1"=700'
24"x36": 1"=350'



SHEET TITLE
KEY PLAN & GENERAL NOTES

DRAWN SKD
DESIGNER MDH
REVIEWED DDO

PROJECT #
20-CN-098

DATE
NOVEMBER 2021

DWG #
2

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DISCLAIMER:
 -DUE TO THE CRITICAL NATURE OF THIS AREA OF THE CITY'S DISTRIBUTION SYSTEM AND THE EXTREME DETERIORATION OF THE EXISTING PIPES, THE EXACT SIZE, LOCATION, AND LAYOUT OF THE EXISTING PIPING IN THIS AREA HAS NOT BEEN CONFIRMED. ADDITIONALLY, SEVERAL INCONSISTENCIES IN HISTORICAL RECORDS HAVE FORCED THE DESIGN ON THIS NEW INFRASTRUCTURE TO BE THEORETICAL.

PROJECT SEQUENCING

PHASE 1 - BYPASS LINE CONSTRUCTION

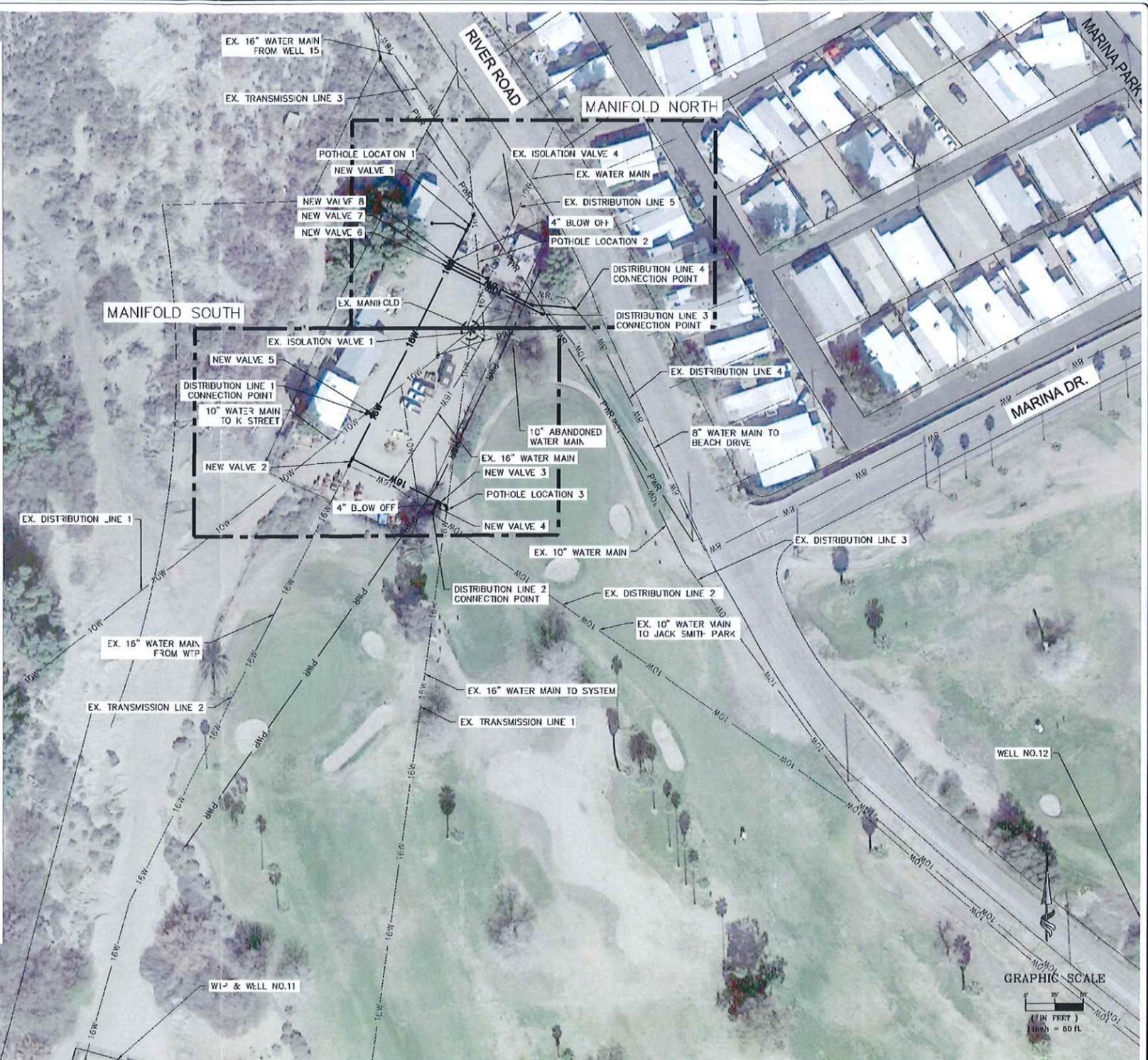
- STEP 1 - AT POT-HOLE 1 & POT-HOLE 2, LOCATE TRANSMISSION LINE 1 TO CONFIRM THE DIAMETER, LOCATION AND ELEVATION OF THE EXISTING PIPE.
- STEP 2 - AT POT-HOLE 3, LOCATE TRANSMISSION LINE 2 TO CONFIRM THE DIAMETER, LOCATION AND ELEVATION OF THE EXISTING PIPE.
- STEP 3 - ISOLATE DISTRIBUTION LINE 1 BY CLOSING ISOLATION VALVES 2 AND 3 IN K STREET NEAR THE INTERSECTION OF SPRUCE STREET AND THE ASSOCIATED ISOLATION VALVE AT THE MANIFOLD.
- STEP 4 - AT THE DISTRIBUTION LINE 1 CONNECTION POINT, CUT IN A NEW 10" DUCTILE IRON BEND IN DISTRIBUTION LINE 1. INSTALL VERTICAL AND HORIZONTAL BENDS AS NEEDED TO ALIGN DISTRIBUTION LINE 1 CONNECTION PIPE WITH THE BYPASS LINE ALIGNMENT AND ELEVATION. THIS ELEVATION SHOULD BE HALF WAY BETWEEN THE ELEVATIONS OF TRANSMISSION LINE 1 AT POT-HOLE 1 AND THE ELEVATION OF TRANSMISSION LINE 2 AT POT-HOLE 3 TO AVOID ANY HIGH POINTS.
- STEP 5 - CONSTRUCT ALL PORTIONS OF THE BYPASS LINE BETWEEN NEW VALVES 1, 2 AND 3, UP TO AND INCLUDING NEW VALVES 4, 5, 6, 7, AND 8 (INSTALL NEW VALVES IN THE CLOSED POSITION). INSTALL TEMPORARY THRUST BLOCKING AS PER DETAIL A ON SHEET 14 ON ALL VALVES.
- STEP 6 - OPEN NEW VALVE 5 AND ONE OF THE ISOLATION VALVES IN K STREET TO FILL THE LINES. CONDUCT PRESSURE TEST AND DISINFECTION PROCEDURES ON ALL NEWLY CONSTRUCTED PIPE USING THE TWO FLUSHING HYDRANTS IN ACCORDANCE WITH AWWA C651-14 SECTION 4.9. AS PER CALIFORNIA STATE CODE, TWO SATISFACTORY BACTERIOLOGICAL SAMPLES TAKEN 24 HOURS APART SHALL BE ACQUIRED AND SUBMITTED TO THE CITY PRIOR TO PROCEEDING TO THE NEXT STEPS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ANY REPAIRS NEEDED TO PASS THE PRESSURE TEST AND SHALL BE RESPONSIBLE FOR TAKING AND SUBMITTING THE BACTERIOLOGICAL SAMPLES.

PHASE 2 - DISTRIBUTION LINE TIE-OVERS

- STEP 7 - AFTER THE BYPASS LINE IS CONSTRUCTED, THE PIPE FOR THE TIE-OVERS CAN BE CONSTRUCTED UP TO THE POINTS OF CONNECTION TO PREPARE THEM TO BE READY TO TIE-OVER IN A TIMELY MANNER.
- STEP 8 - WITH THE HELP OF THE CITY, THE CONTRACTOR SHALL ASSIST IN SYSTEMATICALLY SHUTTING DOWN EACH OF THE SEVEN EXISTING VALVES ATTACHED TO THE MANIFOLD TO DETERMINE WHICH VALVE CAN BE UTILIZED IN ISOLATING DISTRIBUTION LINES 2, 3, 4, & 5. A LOCATION ALONG EACH OF THE DISTRIBUTION LINE WILL NEED TO BE IDENTIFIED WHERE THE PRESSURE CAN BE MONITORED DURING THE PROCEDURE. THE CITY SHALL DETERMINE THESE LOCATIONS. ONCE THE ISOLATION VALVES AT THE MANIFOLD HAVE BEEN TIED TO THE DISTRIBUTION LINES, THE CONTRACTOR MAY BEGIN TYING OVER EACH OF THE DISTRIBUTION LINES. ALTHOUGH THEY ARE LISTED IN A SPECIFIC ORDER BELOW, THE CONTRACTOR MAY ADJUST THE ORDER AS NEEDED.
- STEP 9 - TO TIE OVER DISTRIBUTION LINE 5 BY CLOSING THE ASSOCIATED ISOLATION VALVE FOR DISTRIBUTION LINE 5 AT THE MANIFOLD AND ISOLATION VALVE 4 AT THE EXISTING METER VAULT. THE CONTRACTOR SHALL WORK WITH THE CITY TO NOTIFY THE AFFECTED CUSTOMERS OF THE SHUTDOWN.
- STEP 11 - OPEN NEW VALVE 8 AND CONDUCT PRESSURE TESTING AND DISINFECTION PROCEDURES FOR ALL NEWLY CONSTRUCTED PIPE. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOCATE A HYDRANT DOWNSTREAM OF THE CONNECTION TO USE FOR FLUSHING.
- STEP 12 - TIE OVER DISTRIBUTION LINE 4 BY CLOSING THE ASSOCIATED ISOLATION VALVES FOR DISTRIBUTION LINE 4 AT THE MANIFOLD AND DOWNSTREAM OF THE CONNECTION POINT. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOCATE A VALVE ON DISTRIBUTION LINE 4 DOWNSTREAM OF THE CONNECTION POINT. THE CONTRACTOR SHALL WORK WITH THE CITY TO NOTIFY THE AFFECTED CUSTOMERS OF THE SHUTDOWN.
- STEP 14 - OPEN NEW VALVE 7 AND CONDUCT PRESSURE TESTING AND DISINFECTION PROCEDURES FOR ALL NEWLY CONSTRUCTED PIPE. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOCATE A HYDRANT DOWNSTREAM OF THE CONNECTION TO USE FOR FLUSHING.
- STEP 15 - TIE OVER DISTRIBUTION LINE 3 BY CLOSING THE ASSOCIATED ISOLATION VALVES FOR DISTRIBUTION LINE 3 AT THE MANIFOLD AND DOWNSTREAM OF THE CONNECTION POINT. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOCATE A VALVE ON DISTRIBUTION LINE 3 DOWNSTREAM OF THE CONNECTION POINT. THE CONTRACTOR SHALL WORK WITH THE CITY TO NOTIFY THE AFFECTED CUSTOMERS OF THE SHUTDOWN.
- STEP 17 - OPEN NEW VALVE 6 AND CONDUCT PRESSURE TESTING AND DISINFECTION PROCEDURES FOR ALL NEWLY CONSTRUCTED PIPE. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOCATE A HYDRANT DOWNSTREAM OF THE CONNECTION TO USE FOR FLUSHING.
- STEP 18 - TIE OVER DISTRIBUTION LINE 2 BY CLOSING ISOLATION VALVE 5 AND ANOTHER VALVE ON DISTRIBUTION LINE 2 DOWNSTREAM OF THE CONNECTION POINT. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOCATE A VALVE ON DISTRIBUTION LINE 2 DOWNSTREAM OF THE CONNECTION POINT. THE CONTRACTOR SHALL WORK WITH THE CITY TO NOTIFY THE AFFECTED CUSTOMERS OF THE SHUTDOWN.
- STEP 20 - OPEN NEW VALVE 4 AND CONDUCT PRESSURE TESTING AND DISINFECTION PROCEDURES FOR ALL NEWLY CONSTRUCTED PIPE. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOCATE A HYDRANT DOWNSTREAM OF THE CONNECTION TO USE FOR FLUSHING.

PHASE 3 - TRANSMISSION LINE TIE-OVERS

- STEP 20 - THE CONTRACTOR SHALL WORK WITH THE CITY TO DETERMINE A SAFE TIMELINE TO COMPLETE THE TRANSMISSION LINE TIE-OVERS. THE CITY'S ENTIRE CUJINARY WATER SYSTEM CAPACITY WILL BE REDUCED BY ISOLATING THE TRANSMISSION LINE, SO A LOW DEMAND TIME AT THE BEGINNING OF THE WORK WEEK SHOULD BE SELECTED WHERE POSSIBLE.
- STEP 21 - TIE OVER BOTH TRANSMISSION LINES 1 AND 3 BY CLOSING THE ASSOCIATED ISOLATION VALVES AT THE MANIFOLD AND DOWNSTREAM OF THE CONNECTION POINTS. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOCATE VALVES ON TRANSMISSION LINES 1 AND 3, DOWNSTREAM OF THE CONNECTION POINTS. THE CONTRACTOR SHALL DEVELOP A PLAN FOR DRAINING AND DISPOSING OF ALL THE WATER FROM THE EXISTING TRANSMISSION LINES.
- STEP 22 - OPEN THE TWO CORP STOP VALVES INSTALLED FOR AIR RELEASE AND SLOWLY BEGIN FILLING TRANSMISSION LINES 1 & 2 FROM THE EXISTING ISOLATION VALVES IDENTIFIED IN THE PREVIOUS STEP. ONCE THE LINES HAVE BEEN FILLED, CLOSE THE CORP STOP VALVES. ONCE ALL ASPECTS OF THE PROJECT HAVE BEEN TESTED AND ACCEPTED IN OPERATION, THESE VALVES MAY BE BURIED.
- STEP 23 - OPEN NEW VALVES 1 AND 3 AND CONDUCT PRESSURE TESTING AND DISINFECTION PROCEDURES FOR ALL NEWLY CONSTRUCTED PIPE.
- STEP 24 - CLOSE THE ASSOCIATED ISOLATION VALVES FOR TRANSMISSION LINE 2 AT THE MANIFOLD AND AT THE WATER TREATMENT PLANT.
- STEP 25 - MAKE THE CONNECTION TO TRANSMISSION LINE 2 BY REMOVING THE EXISTING 90 DEGREE BEND AND CONNECTING TO IT WITH A SLEEVE.
- STEP 27 - OPEN NEW VALVE 2 AND CONDUCT PRESSURE TESTING AND DISINFECTION PROCEDURES FOR ALL NEWLY CONSTRUCTED PIPE.
- STEP 28 - ABANDON ALL VALVES AT THE MANIFOLD AND ISOLATION VALVE 5 PER DETAIL D ON SHEET 13.



epic ENGINEERING
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REVISION				
NO	DATE	REV. BY	ISSUE	

CITY OF CALIFORNIA NEEDLES
 817 THIRD STREET
 NEEDLES, CA 92363
 (760) 326-2113

PROJECT NAME:
WATERLINE & MANIFOLD REPLACEMENTS
PROJECT LOCATION:
NEEDLES, CALIFORNIA

SCALES:
 11"x17": 24"x36":
SHEET TITLE:
MANIFOLD OVERVIEW

PROJECT #: 20-CN-098
DATE: NOVEMBER 2021
DWG #: 3



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3341 SOUTH 4030 WEST
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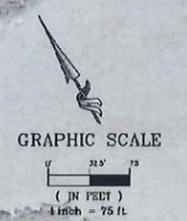
REVISION				
NO	DATE	REV. BY	ISSUE	

817 THIRD STREET
 NEEDLES, CA 92363
 (760) 326-2113

PROJECT NAME:
WATERLINE & MANIFOLD REPLACEMENTS
 PROJECT LOCATION:
NEEDLES, CALIFORNIA

SCALES
 11"x17":
 24"x36":
 SHEET TITLE:
RIVER ROAD OVERVIEW

DRAWN: SKD
 DESIGNER: MDH
 REVIEWED: DJO
 PROJECT #
 20-CN-098
 DATE:
 NOVEMBER 2021
 DWG:
6





City of Needles, California Request for Board Action

CITY COUNCIL NPUA BOARD OF PUBLIC UTILITIES
 Regular Special

Meeting Date: April 5, 2022

Title: Adopt a revised Electric Statement of Policies dated April 2022 by amending the Power Cost Adjustment (PCA) Balancing Fund to reflect the PCA to be twenty percent (20%) of the yearly over-hydro budgeted power costs for the fiscal year (annual budget or revised budget as applicable)

Background: The City purchased July and August term purchases In June 2021 that ranged from \$264 MW on-peak and roughly \$80 off-peak. When WAPA went to the market to transact prices were higher than estimated, \$300 MWh for on peak and \$100 MWh for off peak. For July / August the total was \$2,261,373, plus \$44,000 for transmission to get to load. This is \$457,873 more than the estimates, which were based on the forwards. The City also added \$322,940 in spot funds the trust fund for additional protection during these high market prices. The total budget for fiscal year is \$2,500,000 and due to the high market prices the budget for FY 22 is over by \$128,813.

In June the Board authorized the reduction of the PCA fund to \$750,000 and over-hydro rate increase from \$.0860 to \$0.1279 effective July 1, 2021. The PCA balancing fund has a positive balance as of February of approximately \$381,119.

On March 1, 2022 the Board of Public Utilities requested an analysis to determine what .01 added to the electric over hydro rate would generate toward the PCA balance for April, May and June.

On March 15, 2022 the Board requested staff to revise the existing policy of the Balancing Fund is to be twenty percent (20%) of the yearly over-hydro budgeted power costs. For FY2023 the budgeted non-hydro power supply cost is \$5,200,000.

Recommended Action: Adopt a revised Electric Statement of Policies dated April 2022 by amending the Power Cost Adjustment (PCA) Balancing Fund to reflect the PCA to be twenty percent (20%) of the yearly over-hydro budgeted power costs for the fiscal year (annual budget or revised budget as applicable).

Submitted By: Rainie Torrance, Assistant Utility Manager

City Management Review: Rick

Date: 5/30/22

Approved: <input type="checkbox"/>	Not Approved: <input type="checkbox"/>	Tabled: <input type="checkbox"/>	Other: <input type="checkbox"/>
			Agenda Item: <u>4.</u>

STATEMENT OF POLICIES

Dated: November 27, 2007

Revised: August 26, 2008; July 2010; February 2015;
January 2016; October 2016; Council/NPUA Amended Oct 11, 2016
& Board of Public Utilities Ratified Nov 1, 2016; August 2018; April 2021;
April 2022

The City of Needles (the City) is continuing its efforts in maintaining fiscally prudent and fair rates for its electric customers. The purpose of this memo is to summarize draft policy statements, which will guide the overall design of electric rates for the future.

The City of Needles, Public Utility Authority's, Board of Public Utilities mission provide to the Ratepayers; low cost reliable power while protecting the financial and Capital assets and solubility of the Utilities and is non- profit.

Overall Rate Design Principles

The following rate design objectives are guiding the overall rate design process for all utilities:

- Each utility is self funding
 - Simplified rate schedules
 - All customers should pay a fair share of the Non-power purchase component of the rates
 - Rates should reflect, within reason, the cost to the utility of providing service.
- Rates should generally be designed such that revenue to cost ratios by customer class falls in the range of 90 percent to 110 percent.

Power rates will be designed to provide revenues sufficient to comply with bond indenture requirements including but not limited to sufficient revenue to cover operation and maintenance, bond payments, purchase payments, taxes, fair share allocation, trustee fee, mandated (but unfunded) state or federal program (Conservation Program), the asset replacement fund, and the actual costs to purchase power. The calculated rate will consist of two components: power purchase costs, and non-power purchase costs.

Basic Service Charge

- Represents infrastructure funds to provide capacity and service requirements to meet demand for all users of the system.

Power Purchase Costs

- Power purchase costs include the purchase of renewable, thermal, hydroelectric power and state mandated costs to comply with California Assembly Bill 32 - the California Global Warming Solutions Act of 2006 (Cap & Trade) which is designed to reduce Green House Gas emissions (GHG) to 1990 levels by 2020, and California Senate Bill 2, California's

Renewables Portfolio Standard (RPS) which requires electric service providers to increase procurement from eligible renewable energy sources (wind, solar, geothermal, et al) to 33% of total power procurement by 2020.

- Power purchase costs are based on projected power supply procurement costs and electrical load for the ensuing rate period (year) after adjusting for line losses. That power cost is projected based upon the current fiscal year budget adopted by the Board of Public Utilities and Needles Public Utility Authority (NPUA) and includes projected cost increases (i.e. Power Purchase).
- Periodic power cost adjustments (PCA) will be applied whenever prospective power purchases are determined to differ from the annual base power cost. Annual base power cost is defined as projected power sales divided by projected power sold and is represented as cents per kWhr. Any power cost adjustments prospectively applied will be reconciled to actual power costs paid, and any residual amounts will be carried forward into the next PCA period such that actual power cost revenue will balance with actual power costs.

Power Cost Adjustment (PCA)

- The Power Cost Adjustment rate is determined as the difference between the actual cost of power and the annual projected base power cost, as calculated and applied each October.
- The Power Cost Adjustment rate is determined at such times as the utility board decides that the actual power costs (as provided by WAPA) vary from the annually base power cost that is currently in effect.
- The Power Cost Adjustment shall be considered by the utility board when total power costs exceeds +/- one tenth of a cent (\$0.001) from the annual rate calculated base power cost..

The Power Cost Adjustment will be completed monthly for the prior month and presented to the Board of Public Utilities.

Power Cost Adjustment (PCA) Balancing Fund

1. The purpose of the PCA Balancing Fund is to provide a reserve that can be utilized to mitigate unanticipated increases in energy costs primarily associated with the open market. The PCA Balancing Fund will be funded **and is to be twenty percent (20%) of the yearly over-hydro budgeted power costs for the fiscal year (annual budget or revised budget as applicable)** and the continuing fund balance is to be determined at the discretion of the utility board.
2. The Power Cost Adjustment rate will take into account the previous period's cost recovery.
3. The PCA Balancing Fund will be reconciled in conjunction with the PCA.

Electric rate; Non power purchase component

- All expenses that do not purchase power are part of the non-power purchase component of the rate calculation.
- Salary, benefits, bad debt expense, operation and maintenance rate components, other than power supply, purchase payment and debt service are adjusted every October. Purchase payment and debt service rate components are not adjusted as they are fixed costs.
- Rates shall support an amount equal to 4 percent of gross plant for asset replacement adjusted annually at the USDLS U.S West Size Class B/C CPI every October based on the June value of the appropriate price index.

Annual rate adjustments will be calculated by staff and presented to the utility board and city council prior to implementation. Any shortfall or excess revenue that is generated by the non-power purchase component due to changes in the total annual amount of power sold will be calculated and carried forward into the calculation of the new annual rate adjustment.

Hydroelectric Allotment Discount

- The total hydroelectric allotment (after allowance for line losses) that is granted to the utility is divided equally between all customers, and the discounted cost to purchase that power is also divided equally among customers.
- The total allotment is divided into two seasons, matching the seasonal variation in the fashion that the allotment is delivered to the utility.
 - Each customer allotment of seasonally adjusted hydroelectric power is shown on the bill each month, and will be the first kWh used, up to the seasonal allotment.
 - Any customers' unused monthly allotments cannot be carried forward or back to any other month.

The utility shall recalculate the hydroelectric allotment discount any time the total customer base, the total hydroelectric allotment, or the hydroelectric cost changes by 5% or more. Any such changes shall be reviewed and approved by the utility board and the city council.

Fair Share Allocation

Pursuant to the Model for General Fund Reimbursement from Utility Enterprise Funds as prepared by Urban Futures, Inc. and accepted by the utility board on April 19, 2016, the electric portion of the general fund expenses. The Urban Futures, Inc. template to be reapplied annually to coincide with the annual cost-of-living.

State or Federal Mandated Program costs

- Any unfunded government-mandated programs that are applied to the utility will be added to the non-power purchase component, and the rate re-calculated to allow for that cost. The total cost of government mandated programs will show on each customer's bill.

Bill Components

- The electric bill will consist of the following components:
 - Basic Service Charge
 - Hydroelectric Allotment
 - Energy Usage Charges (in excess of the Hydroelectric Allotment)
 - Government mandated programs (currently California Mandated Conservation (including solar)
 - Power Cost Adjustment (PCA); if, and when, applicable
 - California Excise Tax



City of Needles, California Board Report

CITY COUNCIL NPUA BOARD OF PUBLIC UTILITIES
 Regular Special

Meeting Date: April 5, 2022

Title: Western Area Power Administration (WAPA) Group Power Purchase Q4 FY 22 Forward Pricing

Background: WAPA and City Staff have been monitoring recent market prices which have increased significantly from historical years. On March 2, 2022 staff transacted for the final term purchase for FY22. Due to current world events, WAPA added to June on peak pricing includes a \$5.00 MWh premium, July-Sept includes a \$10.00 MWh premium

The enclosed forward is for Q4 (July – September). The analysis is an increase in load of 2% over last year. Also, a \$10.00 premium was added to the July and August estimates and a \$5.00 premium to Sept. estimates. There is the comparison from the previous year.

2022	ON PEAK \$	OFF PEAK \$	% TO SPOT
JUL	\$808,920.00	\$314,416.00	-10.43%
AUG	\$972,777.60	\$243,235.20	-10.52%
SEPT	\$411,320.00	\$190,736.00	-10.75%
	\$2,193,017.60	\$748,387.20	
	TOTAL >>	\$2,941,404.80	

2021	ON PEAK \$	OFF PEAK \$	% TO SPOT
JUL	\$768,214.50	\$177,407.22	-21.57%
AUG	\$754,096.75	\$148,065.75	-21.19%
SEPT	\$300,500.00	\$104,256.00	-21.97%
	\$1,822,811.25	\$429,728.97	
	TOTAL >>	\$2,252,540.22	

23%

Fiscal Impact: Increase in power purchasing expenditures for FY 22-23 are expected.

Recommendation: No Action Needed - Information Only

Submitted By: Rainie Torrance, Assistant Utility Manager

City Management Review: Ruck **Date:** 3/30/22

Approved: <input type="checkbox"/>	Not Approved: <input type="checkbox"/>	Tabled: <input type="checkbox"/>	Other: <input type="checkbox"/>
			Agenda Item: <u>5.</u>

Off-px Hrs:	344	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL	
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24 Sun	3-Jul	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	240
24 HOL	4-Jul	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	240
8 Tue	5-Jul	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	224
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8 Sat	30-Jul	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	224
24 Sun	31-Jul	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	240
344		310	310	310	310	310	310	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	310	3440	

Total MWh Schedule: 7040

Off-Peak: \$91.40 \$314,416.00
 On-Peak: \$224.70 \$808,920.00
 Total MWh Allocation: \$159.56 \$1,123,336.00

	2022	ON PEAK \$	OFF PEAK \$	% TO SPOT
JUL	\$808,920.00	\$314,416.00	-10.43%	
AUG	\$972,777.60	\$243,235.20	-10.52%	
SEPT	\$411,320.00	\$190,736.00	-10.75%	
	\$2,193,017.60	\$748,387.20		
	TOTAL >>	\$2,941,404.80		

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
1-Jul	0	-1	-1	0	1	3	4	3	1	0	-2	-3	-4	-6	-5	-6	-6	-6	-3	-3	-3	-2	-4	-3	-46
2-Jul	-1	-2	-2	-1	-1	2	3	2	1	0	-2	-3	-4	-6	-5	-6	-6	-5	-3	-3	-3	-2	-4	-3	-54
3-Jul	-1	-2	-2	-2	-1	1	1	0	-3	-4	-5	-6	-7	-7	-8	-8	-7	-7	-5	-4	-4	-3	-3	-2	-89
4-Jul	0	-1	-1	0	1	3	2	1	-3	-4	-5	-6	-6	-7	-8	-8	-8	-7	-5	-4	-3	-3	-2	-1	-75
5-Jul	1	0	0	1	1	4	4	4	3	2	0	-2	-3	-5	-5	-6	-6	-5	-3	-2	-3	-2	-4	-3	-29
6-Jul	-1	-2	-1	0	0	2	3	2	1	0	-2	-3	-4	-5	-6	-6	-7	-6	-4	-3	-4	-2	-4	-4	-56
7-Jul	-2	-3	-3	-2	-1	1	2	1	0	-1	-3	-4	-5	-5	-6	-6	-7	-6	-4	-3	-4	-3	-5	-5	-74
8-Jul	-3	-4	-2	-2	-1	1	2	1	-1	-2	-3	-5	-6	-7	-7	-8	-8	-7	-5	-4	-5	-4	-6	-6	-91
9-Jul	-3	-4	-4	-3	-3	0	1	0	-1	-3	-4	-5	-6	-6	-7	-7	-7	-7	-5	-4	-5	-4	-7	-6	-100
10-Jul	-4	-5	-5	-4	-3	0	-1	-1	-5	-6	-6	-7	-8	-9	-10	-10	-9	-9	-7	-6	-6	-5	-5	-4	-135
11-Jul	-2	-4	-3	-2	-1	1	2	1	0	-1	-2	-2	-3	-4	-4	-5	-5	-5	-3	-2	-3	-2	-4	-3	-56
12-Jul	-1	-3	-2	-1	-1	2	3	3	2	1	0	-2	-2	-2	-4	-4	-4	-4	-2	-2	-2	-2	-4	-3	-29
13-Jul	-1	-2	-1	-1	0	2	3	2	1	0	-1	-2	-3	-4	-4	-5	-5	-4	-2	-1	-2	-2	-3	-3	-38
14-Jul	-1	-2	-1	0	0	2	4	3	2	1	0	-2	-2	-3	-4	-5	-5	-5	-2	-2	-2	-1	-3	-3	-31
15-Jul	-1	-2	-1	-1	0	2	3	2	1	0	-2	-3	-4	-4	-5	-5	-5	-5	-3	-2	-3	-2	-4	-3	-47
16-Jul	-1	-3	-2	-1	-1	1	3	2	1	0	-1	-2	-3	-4	-5	-5	-4	-4	-2	0	-1	0	-2	-2	-37
17-Jul	0	-1	-1	0	0	2	1	0	-3	-4	-5	-7	-7	-8	-8	-8	-7	-7	-5	-4	-4	-3	-3	-2	-84
18-Jul	0	-2	-1	-1	0	2	3	2	1	0	-1	-2	-3	-4	-4	-4	-4	0	2	3	2	2	0	0	-9
19-Jul	2	0	0	1	1	3	4	3	2	2	0	-1	-3	-4	-4	-5	-5	-4	1	2	2	2	0	1	0
20-Jul	2	1	1	1	1	3	4	3	3	2	0	-1	-3	-4	-4	-4	-2	2	5	2	2	3	0	1	18
21-Jul	2	1	1	1	1	3	4	3	2	1	0	-2	-3	-3	-4	-4	-4	-4	-3	-2	-2	-1	-3	-3	-19
22-Jul	-1	-2	-2	-1	-1	1	3	2	1	0	-1	-2	-3	-3	-3	-4	-4	-4	-3	-1	-1	0	-3	-2	-31
23-Jul	0	-1	-1	0	0	2	4	3	3	2	1	1	0	0	-1	-2	-2	-2	0	1	0	0	-2	-1	5
24-Jul	1	0	0	1	1	3	2	2	-1	-2	-3	-4	-5	-5	-6	-6	-4	-4	-1	0	0	1	1	1	-28
25-Jul	3	1	1	2	2	4	5	5	4	3	3	2	1	0	-1	-1	-2	-2	1	1	1	2	-1	0	34
26-Jul	2	1	1	1	1	3	4	4	2	1	0	-1	-2	-3	-3	-4	-4	-3	-1	0	0	0	-2	-1	-4
27-Jul	1	-1	0	0	0	2	4	3	2	0	-1	-2	-3	-4	-4	-3	-3	-3	-1	0	0	1	-1	0	-13
28-Jul	1	0	0	1	1	3	4	3	2	1	-1	-3	-4	-5	-5	-6	-6	-5	-2	0	0	1	-1	0	-21
29-Jul	1	0	0	0	0	2	4	3	3	2	1	0	0	-1	-2	-2	-3	-2	0	1	0	1	-1	0	7
30-Jul	1	0	0	0	1	3	5	5	4	3	2	0	0	-1	-1	-2	-2	-2	0	0	0	1	0	0	22
31-Jul	1	0	0	1	1	3	3	2	-2	-3	-5	-6	-7	-7	-8	-8	-7	-7	-5	-4	-3	-2	-2	-1	-66
344	-5	-43	-32	-12	-1	66	8	4	-17	-23	-29	-36	-40	-43	-48	-48	-42	-41	-28	-22	-20	-15	-82	-60	-609

Off-Peak: -609
 On-Peak: -567
 Total MWh Allocation: -1176

Total MWh Schedule: -1176

-10.43%

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL	
1-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208	
2-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
3-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
4-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
5-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
6-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
7-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	192
8-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
9-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
10-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
11-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
12-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
13-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
14-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	192
15-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
16-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
17-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
18-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
19-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
20-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
21-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	192
22-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
23-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
24-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
25-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
26-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
27-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
28-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	192
29-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
30-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
31-Aug	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	208
	248	248	248	248	248	248	248	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	248	248	2496
Total MWh Schedule:																								6384		

Off-Peak: \$97.45 \$243,235.20
 On-Peak: \$250.20 \$972,777.60
 Total MWh Allocation: \$190.48 \$1,216,012.80

Off-peak Hrs:	DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
8 Mon	1-Aug	-1	-2	-2	-1	-1	1	4	3	2	0	-3	-6	-7	-8	-7	-5	-5	-3	-2	-2	0	-4	-3	-57	
8 Tue	2-Aug	-1	-2	-2	-1	-1	1	4	3	2	1	-3	-6	-7	-8	-8	-6	-6	-3	-2	-2	-1	-5	-4	-63	
8 Wed	3-Aug	-2	-3	-2	-2	-1	1	4	3	2	0	-3	-6	-8	-9	-9	-7	-7	-6	-4	-3	-3	-1	-5	-4	-75
8 Thu	4-Aug	-2	-3	-3	-2	-2	1	4	3	2	0	-4	-6	-7	-8	-8	-6	-6	-4	-3	-4	-3	-3	-7	-6	-80
8 Fri	5-Aug	-4	-5	-4	-4	-4	-1	2	1	0	-1	-4	-6	-7	-8	-7	-5	-5	-3	-2	-2	-3	-2	-6	-5	-89
8 Sat	6-Aug	-3	-4	-4	-3	-3	0	4	3	1	0	-3	-5	-6	-7	-6	-5	-5	-4	-2	-2	-1	-1	-4	-3	-63
24 Sun	7-Aug	-1	-3	-2	-2	-2	1	0	-2	-4	-5	-7	-8	-9	-9	-10	-10	-9	-9	-7	-6	-5	-5	-4	-4	-124
8 Mon	8-Aug	-2	-4	-3	-3	-2	0	3	2	1	0	-3	-5	-5	-6	-6	-4	-4	-4	-1	-1	-1	-1	-4	-3	-56
8 Tue	9-Aug	-2	-3	-3	-3	-2	0	3	2	1	0	-3	-4	-5	-6	-6	-4	-4	-3	1	3	3	3	-1	0	-33
8 Wed	10-Aug	1	0	0	0	2	6	5	4	4	4	1	-1	-2	-2	-3	-1	-2	-1	1	2	1	2	-3	-2	12
8 Thu	11-Aug	0	-2	-1	-1	-1	1	5	4	4	3	-1	-2	-3	-4	-4	-3	-3	0	0	0	0	0	-4	-3	-18
8 Fri	12-Aug	-1	-2	-2	-2	-1	1	4	3	2	1	-2	-3	-4	-5	-5	-4	-4	-3	0	0	0	1	-4	-3	-33
8 Sat	13-Aug	-1	-3	-3	-2	-2	0	4	3	2	0	-1	-2	-3	-4	-4	-3	-3	-1	0	-1	0	-1	-4	-4	-27
24 Sun	14-Aug	-1	-3	-2	-2	-2	1	0	-2	-4	-6	-7	-8	-9	-9	-10	-10	-9	-9	-7	-6	-5	-5	-4	-4	-125
8 Mon	15-Aug	-2	-3	-3	-3	-3	-1	3	2	1	0	-1	-2	-3	-4	-4	-5	-5	-4	-2	-1	-1	0	-4	-4	-49
8 Tue	16-Aug	-2	-3	-3	-3	-2	0	3	2	2	1	0	-1	-2	-3	-4	-4	-4	-3	-1	0	-1	0	-4	-4	-36
8 Wed	17-Aug	-2	-3	-3	-2	-2	0	4	3	2	1	0	-1	-2	-2	-3	-3	-3	-2	0	1	0	1	-3	-2	-21
8 Thu	18-Aug	0	-2	-1	-1	-1	1	5	4	3	2	2	1	0	0	-1	-1	-1	-1	1	2	2	3	-1	0	16
8 Fri	19-Aug	1	0	0	0	1	2	6	5	4	3	1	0	0	-1	-2	-2	-2	0	0	1	1	2	-2	-2	14
8 Sat	20-Aug	0	-1	-1	-1	0	2	5	4	3	2	1	0	-1	-1	-2	-2	-2	-2	0	1	0	1	-3	-2	1
24 Sun	21-Aug	0	-1	-1	0	0	2	2	0	-2	-3	-4	-5	-5	-6	-7	-7	-6	-4	-3	-2	-1	-1	-1	0	-60
8 Mon	22-Aug	2	1	1	1	1	3	6	6	5	4	2	1	0	-1	-2	-2	-2	-1	1	2	2	3	-1	0	32
8 Tue	23-Aug	1	0	0	0	0	3	6	5	4	3	1	0	-1	-2	-2	-3	-3	-2	0	1	1	2	-2	-1	11
8 Wed	24-Aug	1	-1	0	0	0	2	6	5	4	3	1	-1	-2	-3	-4	-4	-5	-4	-2	-1	-1	1	-3	-2	-10
8 Thu	25-Aug	0	-2	-2	-2	-1	1	5	4	3	2	0	-1	-3	-4	-5	-5	-5	-2	-1	-1	0	-4	-3	-3	-31
8 Fri	26-Aug	-1	-3	-2	-1	-1	1	5	4	3	2	0	-2	-3	-4	-5	-6	-6	-5	-2	-1	-1	0	-4	-3	-35
8 Sat	27-Aug	-1	-2	-2	-1	-1	1	5	4	3	1	-1	-3	-4	-4	-5	-5	-5	-3	-2	-2	-2	-1	-5	-4	-42
24 Sun	28-Aug	-2	-3	-3	-2	-2	0	0	-2	-5	-7	-8	-9	-10	-11	-11	-11	-10	-9	-5	-4	-3	-2	-2	-1	-116
8 Mon	29-Aug	0	-1	-1	-1	-1	1	4	4	2	2	0	-2	-3	-4	-4	-5	-4	-2	1	1	1	2	-2	-1	-13
8 Tue	30-Aug	0	-1	-1	-1	-1	1	5	4	3	2	0	-1	-2	-2	-2	-2	-1	0	2	3	2	4	0	0	12
8 Wed	31-Aug	2	0	0	0	1	2	6	6	5	4	3	2	1	0	0	0	0	0	3	3	3	3	-1	0	48
312		-23	-64	-55	-45	-36	30	2	-6	-15	-20	-25	-29	-32	-34	-38	-38	-34	-33	-23	-19	-16	-13	-103	-76	-745

Total MWh Schedule: -1110
 Off-Peak: -745
 On-Peak: -365
 Total MWh Allocation: -1110 -10.52%

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
1-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
2-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
3-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
4-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
5-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
6-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
7-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
8-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
9-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
10-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
11-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
12-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
13-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
14-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
15-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
16-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
17-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
18-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
19-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
20-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
21-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
22-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
23-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
24-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
25-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
26-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
27-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
28-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
29-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
30-Sep	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	168
210	210	210	210	210	210	210	210	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	2240

Total MWh Schedule: 5040

Off-Peak: \$85.15 \$190,736.00
 On-Peak: \$146.90 \$411,320.00
 Total MWh Allocation: \$119.46 \$602,056.00

30 NEEDLES DELTA

720 Sep-22

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL	
1-Sep	0	-1	-1	-1	-1	1	3	2	2	0	-1	-2	-3	-4	-4	-4	-4	-4	-2	-1	-1	0	-3	-2	-31	
2-Sep	-1	-2	-2	-1	-1	1	3	3	1	0	-1	-2	-3	-4	-5	-5	-5	-5	-3	-1	-1	0	-3	-2	-39	
3-Sep	-1	-2	-2	-1	0	2	4	4	2	1	-1	-2	-3	-4	-5	-6	-6	-6	-3	-2	-2	-1	-3	-2	-39	
4-Sep	0	-2	-2	-1	-1	1	1	-1	-3	-5	-7	-8	-9	-10	-11	-12	-11	-11	-9	-8	-7	-5	-5	-4	-130	
5-Sep	-2	-3	-3	-3	-2	0	-1	-3	-5	-7	-8	-9	-9	-10	-11	-11	-10	-10	-7	-6	-6	-4	-4	-3	-137	
6-Sep	-1	-3	-3	-3	-3	-1	2	1	0	-2	-3	-4	-5	-6	-7	-7	-7	-6	-4	-3	-2	-1	-4	-3	-75	
7-Sep	-1	-2	-2	-2	-2	0	3	2	1	-1	-3	-4	-5	-5	-6	-6	-6	-6	-3	-2	-2	-3	-2	-4	-3	-62
8-Sep	-2	-3	-3	-2	-2	0	2	1	0	-1	-3	-5	-6	-7	-7	-8	-8	-7	-4	-3	-3	-2	-5	-4	-82	
9-Sep	-2	-3	-3	-3	-2	0	2	1	0	-1	-3	-5	-6	-6	-6	-6	-6	-6	-3	-3	-3	-2	-5	-4	-75	
10-Sep	-2	-3	-3	-3	-3	0	2	1	0	-1	-3	-4	-5	-5	-6	-6	-6	-6	-3	-3	-2	-2	-4	-4	-71	
11-Sep	-2	-3	-3	-3	-2	0	-1	-3	-5	-6	-7	-9	-10	-11	-11	-11	-10	-9	-7	-6	-5	-4	-3	-2	-133	
12-Sep	-1	-2	-2	-2	-2	0	3	2	1	0	-2	-4	-5	-6	-6	-7	-6	-5	-3	-2	-2	-1	-4	-3	-59	
13-Sep	-1	-3	-2	-2	-1	1	3	2	1	0	-1	-3	-4	-5	-5	-5	-4	-2	-1	0	1	0	1	-2	-1	-39
14-Sep	1	-1	-1	-1	0	2	4	4	3	2	0	-1	-3	-4	-5	-5	-5	-4	-1	-1	0	1	-2	-1	-18	
15-Sep	1	-1	-1	0	0	2	4	4	3	2	0	-1	-3	-4	-4	-4	-4	-4	-1	0	1	1	-2	-1	-12	
16-Sep	1	-1	-1	0	0	2	4	3	3	2	1	0	-1	-2	-1	-1	-1	0	2	2	1	2	-1	-1	13	
17-Sep	1	-1	-1	-1	-1	1	3	3	2	1	0	-2	-3	-3	-4	-4	-4	-3	-1	0	0	1	-2	-1	-19	
18-Sep	0	-1	-1	-1	0	2	1	0	-2	-3	-5	-6	-7	-7	-8	-8	-7	-6	-4	-3	-2	-1	-1	0	-70	
19-Sep	1	0	0	0	0	2	4	4	3	2	1	0	0	-1	-1	-1	-2	-1	2	3	2	3	0	0	21	
20-Sep	2	0	0	0	0	2	4	3	3	2	1	0	0	-1	-2	-2	-2	-2	1	2	2	3	-1	0	15	
21-Sep	2	0	0	0	0	2	5	4	4	3	1	0	-1	-2	-3	-3	-3	0	1	1	1	2	-1	0	9	
22-Sep	2	0	0	0	0	2	4	4	3	2	0	-1	-2	-3	-3	-4	-3	-2	0	1	1	1	1	-2	-1	-1
23-Sep	1	-1	-1	-1	-1	1	3	3	2	1	0	-1	-2	-3	-4	-4	-4	-3	0	0	0	1	-2	-1	-16	
24-Sep	1	-1	-1	-1	-1	1	3	3	2	2	1	0	0	-1	-1	-1	-1	-1	1	1	1	2	-1	-1	7	
25-Sep	1	0	-1	0	0	2	1	0	-2	-3	-4	-5	-6	-6	-7	-7	-6	-5	-3	-2	-1	-1	0	0	-56	
26-Sep	1	0	0	0	0	2	4	3	3	2	0	-2	-2	-3	-3	-3	-1	-1	2	2	2	3	-1	0	10	
27-Sep	2	0	0	0	0	1	4	3	3	2	-2	-2	-3	-3	-3	-2	-1	-1	2	3	3	3	0	0	9	
28-Sep	2	0	0	0	1	2	5	5	4	3	0	-1	-2	-2	-1	1	1	1	4	4	4	5	1	1	38	
29-Sep	3	1	1	1	1	3	5	5	4	4	1	-1	-1	-2	-1	1	1	1	3	4	4	4	1	1	44	
30-Sep	3	1	1	1	1	3	5	5	4	4	0	-1	-2	-3	-2	0	0	0	3	3	3	4	1	1	35	
31-Sep	9	-37	-37	-30	-22	37	1	-7	-17	-24	-31	-37	-41	-44	-48	-49	-44	-41	-30	-25	-21	-15	-63	-41	-657	

Off-peak Hrs: 320
 8 Thu
 8 Fri
 8 Sat
 24 Sun
 24 HOL
 8 Tue
 8 Wed
 8 Thu
 8 Fri
 8 Sat
 24 Sun
 8 Mon
 8 Tue
 8 Wed
 8 Thu
 8 Fri
 8 Sat
 24 Sun
 8 Mon
 8 Tue
 8 Wed
 8 Thu
 8 Fri
 320

Total MWh Schedule: -963
 Off-Peak: -657
 On-Peak: -306
 Total MWh Allocation: -963
 -10.75%



Needles, California Request for Board Action

CITY COUNCIL NPUA BOARD OF PUBLIC UTILITIES
 Regular Special

Meeting Date: April 5, 2022

Title: EUSI, LLC operational support services relating to the wastewater treatment facility and collection system February 2022

Background: See attached report

Fiscal Impact:

Environmental Impact:

Recommended Action: No action needed - information only

Submitted By:

City Management Review: Rick

Date: 3/30/22

Approved:

Not Approved:

Tabled:

Other:

Agenda Item: 6.

**EUSI, LLC Operational Support Services relating
To the
Wastewater Treatment Facility and Collection System
February 2022**

Mr. Rick Daniels,

Please find below a summary of our services provided associated with the operational support services for the wastewater treatment facilities for the month of February 2022.

- The monthly daily average flow for February 2022 was 00.454 MGD.
- Submitted the January 2022 monthly monitoring report for the state.
- Conducted in-house process control testing for the SBRs.
- Sent out the monthly and quarterly samples as required by the monitoring permits.
- Tested the lift station alarm callouts.
- Compile the pricing received from additional laboratories as the current provider has indicated there is a price increase beginning in 2022.
- Administrative coordination with finance and the administrative staff at 3rd street is ongoing.
- Inspected facility perimeter fences.
- Completed monthly service on the Kubota tractor.
- City shop completed repairs on the 4" diesel trash pump.
- Decanted clear water from the digester to maintain adequate space for future use.
- Preventive Maintenance Program and preventative maintenance activities are ongoing per operating hours of the various plant components.
- Completed the bar screen service with inspection.
- Completed weekly inspection of the emergency generator prior to and during its weekly test runs.
- Removed floating debris and plastics from the Bazooouth, K-street, and Jack Smith Park lift stations.
- Ongoing communication with City staff regarding items associated with the overall wastewater system.
- Operations staff installed new splice kit on the control wires for the #2 motive pump.
- The new motive pump arrived for replacement in SBR #1. This new pump will be installed following maintenance and cleaning of SBR #1. The old pump will serve as our spare pump for future need.

Supplemental Repair Services, Exceptional Event(s) and Other Notable Information:

- Switched to single tank mode to prepare for the motive well rehabilitation work. Staff cleaned and performed maintenance on SBR #2 while it was drained. Some repairs are needed on the articulating arms for the decanter.
 - These will need to be completed by a 3rd party contractor and are expected to be completed the first week of March.
- Staff prepared SBR #2 for Geocrete rehabilitation in motive wet wells which is scheduled for the first week of March.

Should you have any questions regarding the monthly activity please feel free to contact me at 602-300-7946.

Sincerely,

Kris Hendricks, EUSI, LLC
Managing Member



City of Needles, California Board Report

CITY COUNCIL NPUA BOARD OF PUBLIC UTILITIES
 Regular Special

Meeting Date: April 5, 2022

Title: Monthly activity report for January 2022

Background:

Fiscal Impact:

Environmental Impact:

Recommended Action: No Action Needed - Information Only

Submitted By: Rainie Torrance, Assistant Utility Manager

City Management Review: Rick

Date: 3/30/22

Approved: <input type="checkbox"/>	Not Approved: <input type="checkbox"/>	Tabled: <input type="checkbox"/>	Other: <input type="checkbox"/>
			Agenda Item: <u>7.</u>

NEEDLES PUBLIC UTILITY AUTHORITY

Monthly Activity Report

MONTH OF: **Jan-22**

MONTHLY REPORT OF REVENUE, CONSUMPTION, DEMAND, AND ACCOUNTS PAST DUE

	MONTH OF		Fiscal Year to		YTD		% change prior year to current year
	Jan-22	Jan-22	Date through: Jan-22	Date through: Jan-22	Jan-22	Jan-22	
Utility Revenue:	Electric	\$ 902,829	\$ 7,386,920	43%	5,562,330	kWh	-5.3%
	Water	\$ 216,579	\$ 1,762,686	21%	10,386,764	Cu. Ft.	926.6%
	Sewer	\$ 160,000	\$ 1,333,930	20%			
TOTALS		\$ 1,279,408	\$ 10,483,536				

Note: Elec
Custs total:
3,397
Jan-22

PRIOR YEAR:

	MONTH OF		Fiscal Year to		Consumption Jan-21
	Jan-21	Jan-21	Date Through: Jan-21	Date Through: Jan-21	
Utility Revenue:	Electric	\$ 552,366	\$ 5,149,988		5,874,093 kWh
	Water	\$ 145,498	\$ 1,456,870		1,011,753 Cu. Ft.
	Sewer	\$ 160,057	\$ 1,110,553		
TOTALS		\$ 857,921	\$ 7,717,411		

ADDITIONAL INFORMATION:

See attached documentation
Accounts Past Due (Over 60/90 Days) (Now all, not just active)
 \$ 350,335 at end of current month
 Percent of current month Revenue 0.273826106
 Percent of Year to Date Revenue 3.34%
 Excludes Cultivation Deposits

Electric Demand (MW)
 Current Period 10.40
 Prior Year 8.73

Customer Service Office
 Number of Disconnections 46
 Number of Reconnects 15

Sources: Revenue: General Ledger (Finance Dept numbers)

A/C's past due: Billing system
 Electric Demand: AES Representative

Purchased Power Expense (Per AES/WAPA Schedule):

	MTD	YTD
Current Period	\$ 362,243	\$ 4,668,742
Prior Year	\$ 188,658	\$ 1,853,758
Percentage change in cost YTD		152%

Note: Purchased Power Expense is calculated by AES, not the G/L

This report shows the current year utility revenue, consumption, electric demand, & purchased power expense compared to the prior year.

Report Prepared by: Rainie Torrance
 Assistant Utility Manager

Date: 03/28/22

NPUA					
Recap of Water Consumption: Comparing FY 21 to FY 22					
<u>FY 20 / 21</u>	<u>Monthly Consumption</u>	<u>FY 21 / 22</u>	<u>Monthly Consumption</u>	<u>Difference</u>	
July-20	4,825,318	July-21	21,373,345	343%	
August-20	5,435,791	August-21	(3,696,936)	-168%	
September-20	5,275,797	September-21	21,255	-100%	
October-20	5,155,989	October-21	4,256,826	-17%	
November-20	3,857,365	November-21	4,162,987	8%	
December-20	5,676,937	December-21	2,533,038	-55%	
January-21	1,011,753	January-22	10,386,764	927%	
February-21	3,246,768	February-22		-100%	
March-21	3,487,309	March-22		-100%	
April-21	4,565,607	April-22		-100%	
May-21	3,809,452	May-22		-100%	
June-21	5,981,739	June-22		-100%	
	44,753,792		39,037,279		

This report shows the current month consumption, compared to the prior year. Shown in cubic-feet.

NPUA Depository

NPUA	DEPOSITORY TRANSFERS BY FUND AND BY MONTH							TOTALS
	Bond Fund	Water	Sewer	Electric	Asset Repl	Purch. Pmt	LCW	
Jul-21	\$ 721,193	\$ 136,000	\$ 53,000	\$ 769,004	\$ 56,546	\$ 57,109	\$ 84,369	\$ 1,877,221
Aug-21	\$ -	\$ 154,000	\$ 132,000	\$ 539,782	\$ 56,546	\$ 57,109	\$ 84,369	\$ 1,023,806
Sep-21	\$ -	\$ 137,000	\$ 121,000	\$ 694,875	\$ 56,546	\$ 57,109	\$ 84,369	\$ 1,150,899
Oct-21	\$ -	\$ 156,000	\$ 97,000	\$ 700,087	\$ 56,546	\$ 57,109	\$ 84,369	\$ 1,151,111
Nov-21	\$ -	\$ 120,000	\$ 106,000	\$ 508,694	\$ 56,546	\$ 57,109	\$ 84,369	\$ 932,718
Dec-21	\$ -	\$ 174,000	\$ 157,000	\$ 511,133	\$ 56,546	\$ 57,108	\$ 84,369	\$ 1,040,156
Jan-22	\$ -	\$ 152,000	\$ 85,000	\$ 383,187	\$ 56,546	\$ 57,108	\$ 84,369	\$ 818,210
Feb-22								\$ -
Mar-22								\$ -
Apr-22								\$ -
May-22								\$ -
Jun-22								\$ -
	\$ 721,193	\$ 1,029,000	\$ 751,000	\$ 4,106,762	\$ 395,822	\$ 399,761	\$ 590,583	\$ 7,994,121
Source: G/L Transfer/Reimbursement Accounts and Depository Agreement in place.								
This report shows the depository transfers by month per the current Depository Agreement in place.								

NEEDLES PUBLIC UTILITY AUTHORITY
ACCOUNTS PAST DUE (OVER SIXTY DAYS)
COMPARISONS TO SALES

MONTH CURR YEAR	YTD SALES	OVER SIXTY/ NINETY	% TO SALES	Amount over 120 & beyond	MONTH CURR YEAR	YTD SALES	OVER SIXTY/ NINETY	% TO SALES	Amount over 120 & beyond
Jul-20	\$ 1,220,955	\$ 115,071	9.42%	see attached	Jul-21	\$ 2,165,592	\$ 134,918	6.23%	see attached
Aug-20	\$ 2,666,200	\$ 124,750	4.68%	see attached	Aug-21	\$ 4,018,262	\$ 210,559	5.24%	see attached
Sep-20	\$ 3,957,054	\$ 152,513	3.85%	see attached	Sep-21	\$ 5,637,238	\$ 283,337	5.03%	see attached
Oct-20	\$ 4,982,445	\$ 152,513	3.06%	see attached	Oct-21	\$ 6,911,602	\$ 205,603	2.97%	see attached
Nov-20	\$ 5,777,029	\$ 307,648	5.33%	see attached	Nov-21	\$ 8,193,630	\$ 419,505	5.12%	see attached
Dec-20	\$ 6,859,489	\$ 301,829	4.40%	see attached	Dec-21	\$ 9,204,128	\$ 390,163	4.24%	see attached
Jan-21	\$ 7,717,411	\$ 179,194	2.32%	see attached	Jan-22	\$ 10,483,536	\$ 350,335	3.34%	see attached
Feb-21	\$ 8,629,186	\$ 188,583	2.19%	see attached	Feb-22			#DIV/0!	see attached
Mar-21	\$ 9,571,177	\$ 215,390	2.25%	see attached	Mar-22			#DIV/0!	see attached
Apr-21	\$ 10,750,917	\$ 186,356	1.73%	see attached	Apr-22			#DIV/0!	see attached
May-21	\$ 12,003,243	\$ 138,339	1.15%	see attached	May-22			#DIV/0!	see attached
Jun-21	\$ 13,177,539	\$ 148,593	1.13%	see attached	Jun-22			#DIV/0!	see attached

Source:
Aged Accounts Receivable Report (NPUA)

This report shows the YTD sales for the utilities, and the over 60 & 90 by month.

CASH BALANCES IN VARIOUS ACCOUNTS AND LOAN BALANCE TO GENERAL FUND			
	AT:	AT:	
	01/31/21	01/31/22	
NPUA			
'LOCKBOX"			
ACCOUNT	\$ 8,829,715	\$ 9,945,023	
& LAIF		***see note below	
CITY			
Water	\$ 275,147	\$ 271,406	
Sewer	\$ 21,041	\$ 75,989	
Electric	\$ 1,401,128	\$ 641,416	

	Electric Asset Replacement Fund		
	***Amount in NPUA LAIF & CD		
		\$ 2,481,880	01/31/22
Source:			
Cash by Fund Monthly Report			
This report shows the cash balances in the NPUA, city utility funds, and Electric Asset Replacement fund in LAIF and CD.			

NPUA		Water	Sewer	Electric	NPUA REVENUE CITY EXP				TOTALS
REVENUE	Jul-21	\$ 579,690	\$ 382,671	\$ 1,208,231	BY Division FY 2016				\$ 2,165,592
	Aug-21	\$ 36,191	\$ 158,503	\$ 1,660,976					\$ 1,855,670
	Sep-21	\$ 276,840	\$ 157,965	\$ 1,181,172					\$ 1,615,977
	Oct-21	\$ 261,543	\$ 158,461	\$ 854,372					\$ 1,274,376
	Nov-21	\$ 213,287	\$ 159,741	\$ 908,992					\$ 1,282,020
	Dec-21	\$ 178,558	\$ 156,590	\$ 675,350					\$ 1,010,498
	Jan-22	\$ 216,579	\$ 160,000	\$ 902,829					\$ 1,279,408
	Feb-22								\$ -
	Mar-22								\$ -
	Apr-22								\$ -
	May-22								\$ -
	Jun-22								\$ -
	YTD Total	\$ 1,762,691	\$ 1,333,931	\$ 7,386,921					\$ 10,483,541
CITY & NPUA		Water	Sewer	Electric	Elec Asset Repl	NPUA Exp	Bond debt		TOTALS
EXPENSE					Bal Fwd :	(excl. bond debt)			
					\$ 3,796,538				
					cur yr cum:				
	Jul-21	\$ 135,743	\$ 52,500	\$ 4,128,377	\$ 41,595	\$ 306,378	\$ 721,193		\$ 5,385,786
	Aug-21	\$ 153,258	\$ 131,934	\$ 358,316	\$ 41,595	\$ 102,696	\$ -		\$ 787,799
	Sep-21	\$ 136,581	\$ 120,735	\$ 362,731	\$ 42,129	\$ 88,327	\$ -		\$ 750,503
	Oct-21	\$ 130,961	\$ 71,860	\$ 1,011,840	\$ 41,595	\$ 88,035	\$ -		\$ 1,344,291
	Nov-21	\$ 119,639	\$ 105,397	\$ 447,260	\$ 15,043	\$ 81,955	\$ -		\$ 769,294
	Dec-21	\$ 173,164	\$ 156,225	\$ 458,819	\$ 41,595	\$ 87,026	\$ -		\$ 916,829
	Jan-22	\$ 151,551	\$ 84,416	\$ 817,313	\$ 64,378	\$ 84,871	\$ 721,192		\$ 1,923,721
	Feb-22								\$ -
	Mar-22								\$ -
	Apr-22								\$ -
	May-22								\$ -
	Jun-22								\$ -
	YTD Total	\$ 1,000,892	\$ 723,163	\$ 7,584,660	\$ 287,930	\$ 839,288	\$ 1,442,385		\$ 11,878,318
	Amount in Asset Replacement Fund.....				\$ 4,084,468				
Source:	Monthly Budget Report by Fund (revenue & expense)								
This report shows the monthly revenues and expenditures by utility fund.									

NPUA			
Recap of Power Purchase Expense \$			
FY 20 / 21	At the end of	June 30, 2020	
Quarterly		Monthly	Cum YTD
	July-20	\$ 426,143	\$ 426,143
	August-20	\$ 395,856	\$ 821,999
\$ 1,080,771	September-20	\$ 258,772	\$ 1,080,771
	October-20	\$ 214,042	\$ 1,294,813
	November-20	\$ 163,394	\$ 1,458,207
\$ 584,330	December-20	\$ 206,894	\$ 1,665,101
	January-21	\$ 188,658	\$ 1,853,759
	February-21	\$ 148,578	\$ 2,002,337
\$ 455,626	March-21	\$ 118,390	\$ 2,120,727
	April-21	\$ 138,346	\$ 2,259,073
	May-21	\$ 201,746	\$ 2,460,819
\$ 710,219	June-21	\$ 370,127	\$ 2,830,946
\$ 2,830,946		\$ 2,830,945	
NPUA			
Recap of Power Purchase Expense \$			
FY 21 / 22	At the end of	January 31, 2022	
Quarterly		Monthly	Cum YTD
	July-21	\$ 1,353,668	\$ 1,353,668
	August-21	\$ 1,271,228	\$ 2,624,896
\$ 3,299,199	September-21	\$ 674,303	\$ 3,299,199
	October-21	\$ 413,586	\$ 3,712,785
	November-21	\$ 292,949	\$ 4,005,734
\$ 1,007,301	December-21	\$ 300,766	\$ 4,306,500
	January-22	\$ 362,243	\$ 4,668,743
	February-22		\$ 4,668,743
\$ 362,243	March-22		\$ 4,668,743
	April-22		\$ 4,668,743
	May-22		\$ 4,668,743
\$ -	June-22		\$ 4,668,743
\$ 4,668,743		\$ 4,668,742	
This report shows the monthly purchased power expense compared to the prior year.			

NPUA				
Recap of Electric Consumption (kWh)				
FY 20 / 21	At the end of	June 30, 2021		
Quarterly		Monthly	Cum YTD	PEAK MW
	July-21	8,190,845	8,190,845	21.40
	August-21	10,126,180	18,317,025	20.93
26,841,214	September-21	8,524,189	26,841,214	17.50
	October-21	6,602,097	33,443,311	15.30
	November-21	4,129,002	37,572,313	10.73
15,632,142	December-21	4,901,043	42,473,356	8.58
	January-22	5,874,093	48,347,449	8.73
	February-22	4,286,918	52,634,367	7.86
14,047,731	March-22	3,886,720	56,521,087	10.17
	April-22	5,286,913	61,808,000	14.37
	May-22	4,633,181	66,441,181	16.73
17,781,721	June-22	7,861,627	74,302,808	21.49
74,302,808		74,302,808		
NPUA				
Recap of Electric Consumption (kWh)				
FY 21 / 22	At the end of	January 31, 2022		
Quarterly		Monthly	Cum YTD	PEAK MW
	July-21	11,100,674	11,100,674	22.44
	August-21	9,878,315	20,978,989	21.37
29,773,531	September-21	8,794,542	29,773,531	20.28
	October-21	5,767,772	35,541,303	14.12
	November-21	6,205,709	41,747,012	11.29
17,558,451	December-21	5,584,970	47,331,982	9.89
	January-22	5,562,230	52,894,212	10.40
	February-22		52,894,212	
5,562,230	March-22		52,894,212	
	April-22		52,894,212	
	May-22		52,894,212	
-	June-22		52,894,212	
52,894,212		52,894,212		
This report shows the monthly electric consumption compared to the prior year.				

Needles Public Utility Authority Schedule of Budgeted Reimbursements Paid to City to Date and Expenses of City Utility Funds Y-T-D JAN. 2022	City Utility Funds				PRELIMINARY & UNAUDITED NUMBERS
	Water	Wastewater	All Amer Canal	Electric	Total
Reimbursements	1,029,000.00	751,000.00	590,583.00	6,216,762.00	8,587,345.00
(Expenses)	(1,000,631.35)	(723,104.42)	(854,679.38)	(7,584,601.33)	(10,163,216.48)
~ Difference: (under-reimbursed) or over-reimbursed	28,168.65	27,895.58	(264,096.38)	(1,367,839.33)	(1,575,871.48)
	381.40	381.40	381.40	381.40	
FY 21 (due to) / from - unaudited balances	166,286.63	117,305.84	25,106.77	214,949.92	523,649.16
(DUE TO) subtotal* plus current difference	194,455.28	145,201.42	(238,989.61)	(1,152,889.41)	(1,052,222.32)