Weekly Management Report
January 27, 2023

1.	**Memo**	Transportation Commission Meeting on January 23, 2023 **Community Development Department**
2.	**Minutes**	Burbank Water and Power Board Meeting on January 19, 2023 **Water & Power Department**
3.	**Report**	December 2022 Monthly Operating Results **Water & Power Department**

MEMORANDUM

COMMUNITY
DEVELOPMENT

DATE: January 24, 2023

TO: Justin Hess, City Manager

FROM: Patrick Prescott, Community Development Director
VIA: David Kriske, Assistant Community Development Director – Transportation
BY: Nick Burant, Administrative Analyst

SUBJECT: Transportation Commission Meeting Synopsis – January 23, 2023

- Staff provided information to the Commission on the City's past and current Safe Routes to School planning and implementation and how Safe Routes to School complements other roadway safety programs.

- The Commission inquired about the City's approach to funding and staffing Safe Routes to School; City staff indicated that past efforts focused on specific school sites and utilized a combination of city staff and consultant resources. Staff discussed that the Complete Streets Plan Safe Routes to School Top Priority project recommends a wholistic city-wide approach to developing Safe Routes to School Plans for all school sites. Staff previously applied for grant funding but was unsuccessful. Based on that result, a preferred approach could be to identify grant funds for specific schools in grant-competitive areas, and to continue to utilize a mix of staff and consulting services to manage the workload. The Commission also discussed the efficacy of various traffic calming treatments and infrastructure, discussed the need for better Safe Routes to School coordination between the City and School District particularly during the start of the school year, and whether smaller low-cost improvements could be built outside of a larger program.

- The Commission passed two motions:
    - The Commission recommended that the City Council, as part of the City's next fiscal year budget, identify funding to purse the Safe Routes to School citywide plan, a top priority project under the City's Complete Streets Plan, and to increase resources to coordinate Safe Routes to School efforts citywide and between the City and the Burbank Unified School District.
        - Passed 6-0 with one abstention.
    - The Commission recommended to the City Council that at the next joint session of the City Council and Burbank Unified School District

Subcommittee the topic of safe routes to school and circulation and traffic safety around schools with a focus on what can be done in the first two weeks of the school year be agendized.

- Passed 6-0 with one abstention.

6A.
UNAPPROVED

BURBANK WATER AND POWER BOARD
MINUTES OF MEETING
JANUARY 19, 2023

Mr. Eskandar called the regular meeting of the Burbank Water and Power Board to order at 5:03 p.m. in the third-floor board room of the BWP Ron E. Davis Administration Building, 164 West Magnolia Boulevard, Burbank, California.

Mr. Eskandar called for the Pledge of Allegiance to the Flag.

ROLL CALL

BOARD PRESENT: Mr. Cherry; Mr. Eskandar; Mr. LeMasters; Mr. Luddy; Mr. Malotte; Ms. Tenenbaum

BOARD ABSENT: Ms. LaCamera

STAFF PRESENT: Ms. Lindell, General Manager – BWP; Mr. Chwang, Senior Assistant City Attorney; Mr. Wilson, Assistant General Manager – Water Systems; Mr. Aquino, Assistant General Manager – Customer Service Operations; Ms. Kalomian, acting Chief Financial Officer; Mr. Compton, Assistant General Manager – Chief Technology Officer; Ms. Edwards, Assistant General Manager – Sustainability, Marketing & Strategy; Mr. Sleiman, Assistant General Manager – Electric Services; Ms. Samra, Assistant General Manager – Power Supply; Ms. Ohan, acting Administrative Officer – BWP; Ms. Sarkissian, Manager Customer Service Operations; Mr. Beckett, Water Maintenance and Construction Superintendent; Mr. Lee, Civil Engineer; Mr. Sheikh, Principal Civil Engineer; Mr. Nahhas, acting Manager Water Engineer/Planning; Ms. Meza, Senior Secretary; Mr. Casillas, Senior Administrative Analyst

ORAL COMMUNICATIONS

Mr. Eskandar called for oral communications at this time.

Mr. Schlossman addressed the board regarding his concerns with food being bought with taxpayer money and then it being served at each board meeting.

Mr. Goldstein addressed the board regarding his support for the electrification efforts on new construction within Burbank.

BOARD AND STAFF RESPONSE TO ORAL COMMUNICATIONS

None.

GENERAL MANAGER REPORT

Ms. Lindell updated the board on positive COVID-19 cases at BWP, noting 260 positive cases since March 2020 with 16 positive cases happening in December 2022.

Ms. Lindell continued her update by introducing to the board Ms. Kalomian, acting Chief Financial Officer. Additionally, Ms. Lindell informed the board that on February 6th, she and Drew will be

traveling to Sacramento, CA for the CMUA Capitol Day to represent BWP in meetings with state representatives, agency executives, and utility peers.

Ms. Lindell updated the board on BWP's recent feature during January's release of HeyBurbank, episode 10 which premiered on the city's YouTube Channel. The feature highlighted BWP's Integrated Resource Plan kick-off.

Lastly, Ms. Lindell highlighted two recent awards that BWP received from the Environmental Protection Agency.

BOARD MEMBER BUSINESS CARDS
Mr. Casillas presented to the board the process on obtaining official city business cards.

It was moved by Ms. Tenenbaum, seconded by Mr. LeMasters, carried 6 – 0 (Ms. LaCamera absent) to note and file.

CONSENT CALENDAR

MINUTES
It was moved by Mr. LeMasters, seconded by Mr. Cherry, carried 6 – 0 (Ms. LaCamera absent) to approve the meeting minutes of the regular meeting of December 1, 2023.

REPORTS TO THE BOARD

BWP OPERATIONS AND FINANCIAL REPORTS
Ms. Kalomian presented BWP's financial update for the month of October 2022.

Ms. Kalomian, Ms. Lindell, Ms. Samra, Mr. Aquino, and Ms. Ohan responded to board member questions.

This was an information item only. No action was taken.

COVID-19 CUSTOMER IMPACT UPDATE
Ms. Sarkissian presented an update on the number of customers in arrears and the status of associated debt. Staff continues to work with customers impacted by COVID-19 through payment arrangements.

Ms. Sarkissian, Ms. Lindell, and Mr. Aquino responded to board member questions.

This was an information item only. No action was taken.

APPROVAL TO RE-ESTABLISH POWER DISCONNECTIONS FOR RESIDENTIAL CUSTOMERS
Mr. Aquino presented on re-establishing power disconnections for residential customers.

Mr. Aquino, Ms. Lindell, Ms. Sarkissian, and Ms. Edwards responded to board member questions.

It was moved by Mr. Malotte, seconded by Mr. Luddy, carried 6 – 0 (Ms. LaCamera absent) to recommend that the Burbank City Council approve ending the current suspension of power shut-

offs and late fees for city utilities for residential customers effective April 3, 2023, with a one-time courtesy waiver of the reconnection fee for BUSS and lifeline customers.

OVERVIEW OF THE BURBANK WATER AND POWER SUSTAINABILITY PROGRAMS
Ms. Edwards presented on Burbank Water and Power's sustainability programs.

Ms. Edwards and Mr. Johnstone responded to board member questions.

This was an information item only. No action was taken.

RECOMMEND TO CITY COUNCIL TO ADOPT A CEQA EXEMPTION FOR EXISTING FACILITIES AND AUTHORIZE THE GENERAL MANAGER OF BURBANK WATER AND POWER TO NEGOTIATE A CONTRACT FOR AN ADVANCED METERING INFRASTRUCTURE SYSTEM
Mr. Lee presented a report authorizing the General Manager of Burbank Water and Power to negotiate a contract for an advanced metering infrastructure system.

Ms. Lindell, Mr. Lee, Mr. Beckett, and Mr. Wilson responded to board member questions.

It was moved by Ms. Tenenbaum, seconded by Mr. Malotte, carried 6 – 0 (Ms. LaCamera absent) to recommend that the City Council adopt a resolution adopting a CEQA exemption for existing facilities and approve contracts for an advanced metering infrastructure system.

RECOMMEND TO CITY COUNCIL TO ADOPT A RESOLUTION TO AUTHORIZE BURBANK WATER AND POWER TO SUBMIT A GRANT APPLICATION TO THE CALIFORNIA DEPARTMENT OF WATER RESOURCES URBAN COMMUNITY DROUGHT RELIEF GRANT PROGRAM, TO AUTHORIZE THE GRANT APPLICATION, ACCEPTANCE, AND EXECUTION FOR THE ADVANCED METERING INFRASTRUCTURE SYSTEM UPGRAM AND TURF REPLACEMENT PROGRAM
Mr. Johnstone and Mr. Lee presented a resolution authorizing the grant application, acceptance, and execution for the advanced metering infrastructure system upgrade and turf replacement project within Burbank's disadvantaged communities.

Mr. Johnstone responded to board member questions.

It was moved by Mr. Luddy, seconded by Mr. LeMasters, carried 6 – 0 (Ms. LaCamera absent) to recommend that the City Council adopt a resolution to authorize the grant application, acceptance, and execution for the advanced metering infrastructure system upgrade and turf replacement project within Burbank's disadvantaged communities.

RECOMMEND TO CITY COUNCIL TO APPROVE A PROFESSIONAL SERVICES AGREEMENT WITH HDR ENGINEERS, INC. FOR THE DEVELOPMENT OF A DROUGHT CONTINGENCY PLAN
Mr. Sheikh presented a report to approve the General Manager, as designee of the City Manager, to execute a professional services agreement with HDR Engineers, Inc. for the development of a drought contingency plan.

Mr. Sheikh and Ms. Lindell responded to board member questions.

It was moved by Mr. Luddy, seconded by Mr. Cherry, carried 6 – 0 (Ms. LaCamera absent) to recommend that the City Council approve and authorize the BWP General Manager, as designee of the City Manager, to execute a professional services agreement with HDR Engineers, Inc. for the development of a drought contingency plan.

INFORMATION FROM STAFF

UPDATE ON CITY COUNCIL AGENDA ITEMS

Mr. Casillas provided an update on recent items that BWP has taken to the City Council, the voting outcomes of those items, and future items that BWP has scheduled on the City Council agenda forecast.

LEGISLATIVE UPDATE

Mr. Johnstone provided a federal and state legislative update. Mr. Johnstone highlighted legislation that BWP is monitoring.

Mr. Johnstone responded to board member questions.

WATER DIVISION UPDATE

Mr. Wilson updated the board on city hall's demonstration garden noting the ongoing project to install recycled piping to city hall. Mr. Wilson also informed the board on water use monitoring data and current drought conditions based on the current rainfall levels.

Mr. Wilson, Ms. Edwards, Mr. Nahhas, and Mr. Beckett responded to board member questions.

POWER SUPPLY UPDATE

Ms. Samra updated the board on the 2024 integrated resources plan efforts, highlighting the stakeholder engagement aspect of the efforts as well as the timeline. Ms. Samra then informed the board of the changes in the power supply budget from the fiscal year 2023 to the fiscal year 2024. Lastly, Ms. Samra updated the board on renewable resources projects that are currently in active negotiations.

Ms. Samra responded to board member questions.

ELECTRIC SERVICES UPDATE

Mr. Sleiman updated the board on the increase in site visits and confirmations seen throughout the last 14 years noting that staffing levels have not increased alongside the increase in work. Additionally, Mr. Sleiman informed the board on current lead times for various supplies used by the Electric Services Division.

Mr. Sleiman responded to board member questions.

COMMENTS AND REQUESTS FROM BOARD MEMBERS

Mr. Malotte thanked the public for coming in and giving their perspective on things. Mr. Malotte informed the board and staff on a recent incident that happened in Southern California Edison. Mr. Malotte commented on Mr. Bardin's health, noting that he is getting better.

Mr. Eskandar commented on the public comment from earlier on in the meeting, noting that he has not experienced anyone raise their voice. Mr. Eskandar noted he enjoys being at the board meetings with each member and staff. Mr. Eskandar gave kudos to the Burbank Tournament of

Roses for their float this year. Mr. Eskandar commented on rate design conversation taking place at the next board meeting, if staff is ready.

ADJOURNMENT

The meeting was adjourned at 9:48 p.m. The next regular board meeting is scheduled for February 2, 2023, and will be held in the third-floor board room at Burbank Water and Power Ron E. Davis Administration Building.

Armando Casillas
Recording Secretary

Dawn Roth Lindell
Secretary to the Board

Philippe Eskandar, BWP Board Chair

CITY OF BURBANK
BURBANK WATER AND POWER
STAFF REPORT

DATE: **February 2, 2023**
TO: Burbank Water and Power Board
FROM: Dawn Roth Lindell, General Manager, BWP
SUBJECT: **December 2022** Operating Results

***Please note that changes from last month's report are in BOLD**

SAFETY

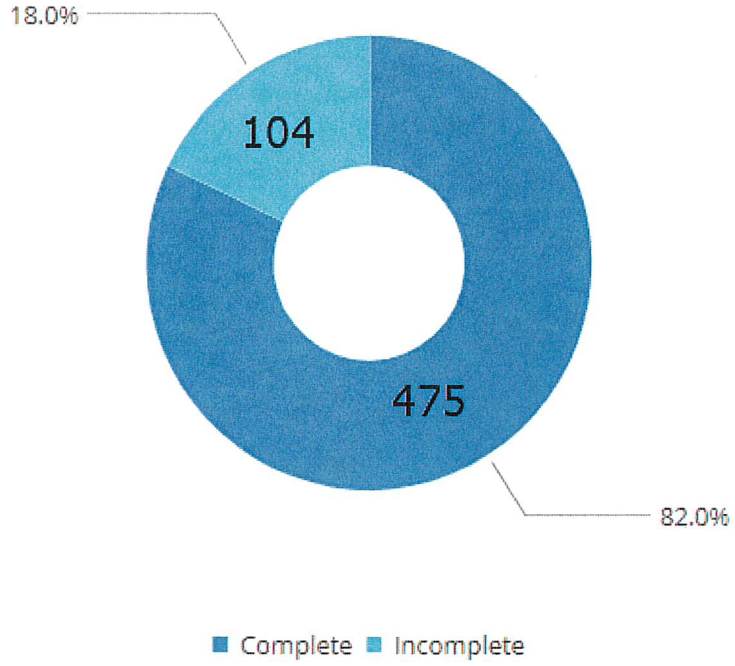
As a progressive and proactive utility, BWP tracks all environmental, health, and safety (EHS) related events, such as observations, near misses, and incidents. Staff tracks action items for these events from start to closure in order to avoid injury or damage to the city or public property. BWP continues to exceed its goal of closing 80% of action items. For this reporting period, BWP has closed 82% of corrective and preventative action items.

BWP continues to make progress on its efforts to improve employee engagement, as measured by incident, near miss and observation reporting. By reporting these events, we create opportunities to learn and prevent harm to people, the environment and property. For this reporting period, BWP has received 212 EHS-related reports for 2022 to count towards the annual goal of 300.

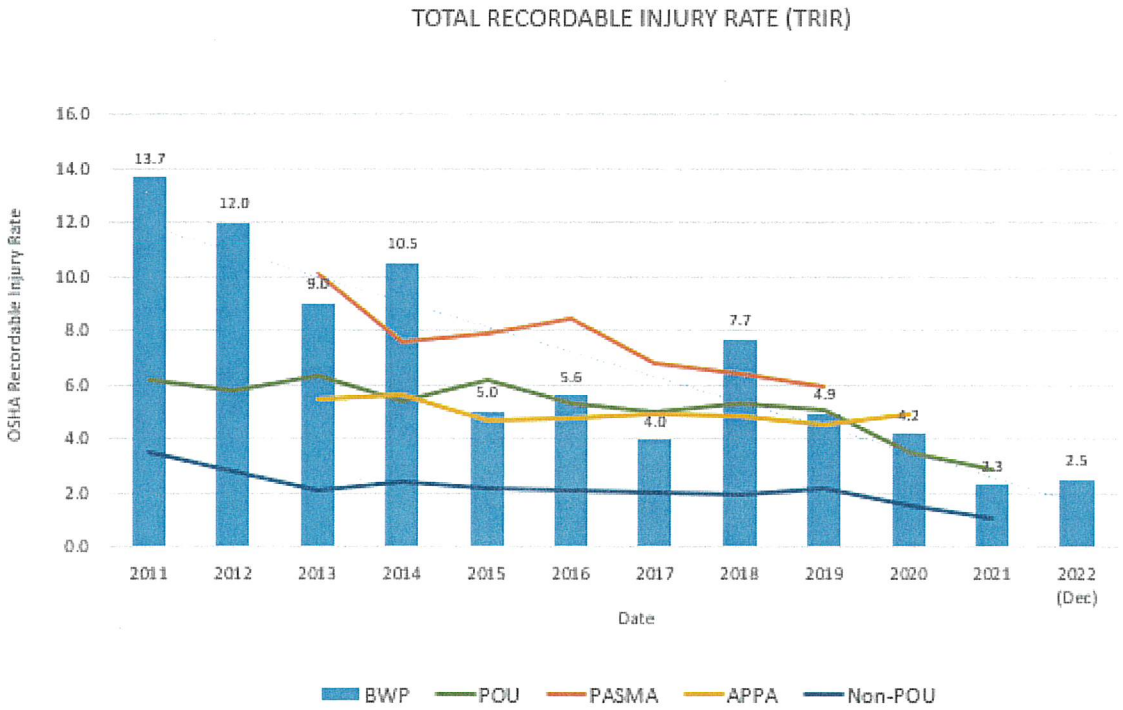
For December 2022, BWP experienced one OSHA recordable injury. BWP's 12-month rolling average OSHA total recordable incident rate is 2.5.

1. **IE-2212-0003-1 – Warehouseman received strain to the lower back while helping another employee move ground rods to their storage location.**

Corrective & Preventative Action Items (80% Goal):



OSHA Total Recordable Incident Rate:



OSHA Recordable Injury Rate = No. of recordable cases per 100 full time employees. Current year expressed as 12 month rolling average
POU - Publicly Owned Utilities - Bureau of Labor Statistics
PASMA - Public Agency Safety Management Association (Local Utilities only Data)
APPA - American Public Power Association - Average recordable injury rate for similar sized organization
Non-POU - Bureau of Labor Statistics, all non-govenrnmental utility services

Electric Financial Results

In **November,** the energy demand was **11**% below budget, primarily driven by conservation and slightly lower than average temperatures. Net income was **$940,000** which was **$2,373,000** better than budgeted. The favorable variance was primarily attributed to lower than planned retail power supply and transmission expenses and lower than planned operating expenses, offset by lower than planned retail sales.

Fiscal-year-to-date (FYTD) energy demand was **on** budget. For FYTD **November**, net income was **$5,604,000**, which was **$8,110,000** better than budgeted. The favorable result was primarily attributed to lower than planned operating expenses, higher than planned retail sales with a favorable wholesale margin.

For additional details, please see the attached financial statements.

Water Financial Results

In **November**, potable water demand was **4%** lower than budget due primarily to the ongoing response to the Governor's 15% water reduction request and Burbank being in Stage III of the Sustainable Water Use Ordinance. **Stage III limits outdoor watering to one day a week on Saturday from November to March.** Net income was **$560,000**, which was **$690,000** better than budgeted. The favorable variance was primarily attributed to **higher than planned recycled sales, and** lower than planned operating and water supply expenses.

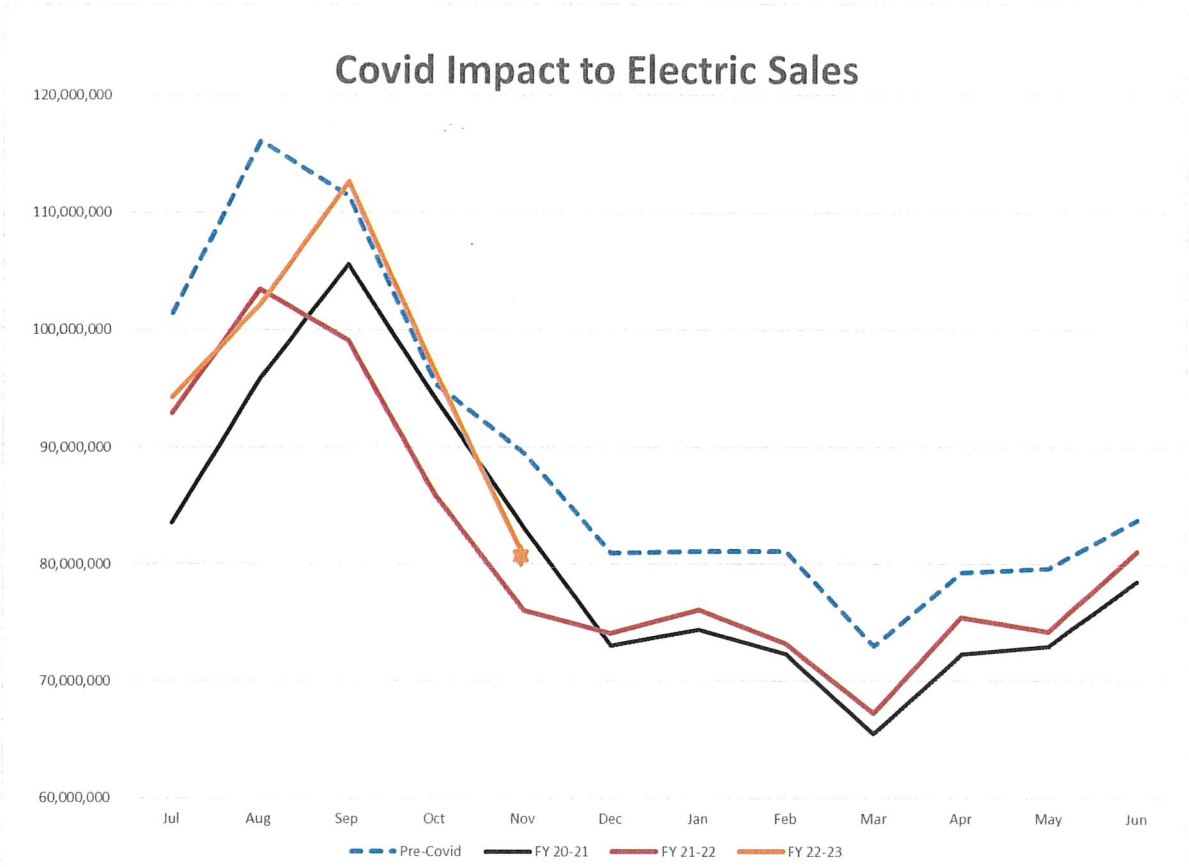
FYTD potable water demand was **6%** lower than budget. For FYTD **November**, net income was **$2,950,000** which was **$2,116,000** better than budgeted. The favorable variance was attributed to lower than planned operating expenses and water supply expense, **higher than planned recycled sales & other revenues,** offset by lower than planned operating revenues.

For additional details, please see the attached financial statements.

COVID-19 and Drought Impacts

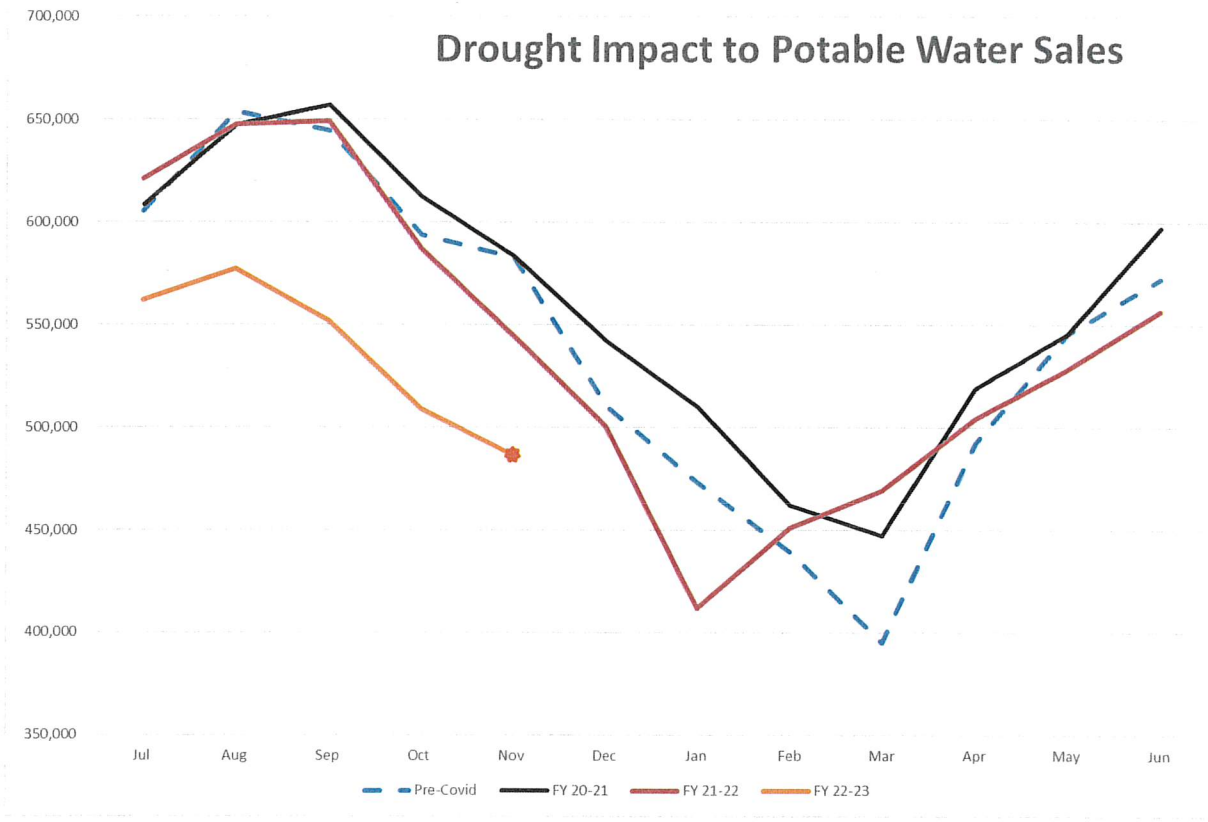
On March 19, 2020, the COVID-19 pandemic impacted commercial demand for energy in Burbank and has resulted in a continuous reduction of electric demand.

The chart below for the electric fund shows current fiscal year sales compared to prior fiscal years and pre-COVID. **November** sales were **10% lower** compared to **November** pre-COVID. **However, the decrease was primarily driven by cooler weather.** Fiscal year-to-date sales were **4%** lower compared to the same period pre-COVID.



The Governor called for all Californians to voluntarily reduce water use by 15% from 2020 levels. **November** sales were **17%** lower compared to **November** pre-COVID**.** This is attributable to **the ongoing drought response** – not due to COVID. Fiscal year-to-date sales were **12.8% lower** compared to the same period pre-COVID. Water sales in general have been minimally impacted by the pandemic, where the decrease in commercial sales was offset by an increase in residential demand.

The chart below shows current fiscal year potable water sales compared to prior fiscal years and pre-COVID.



Inflation

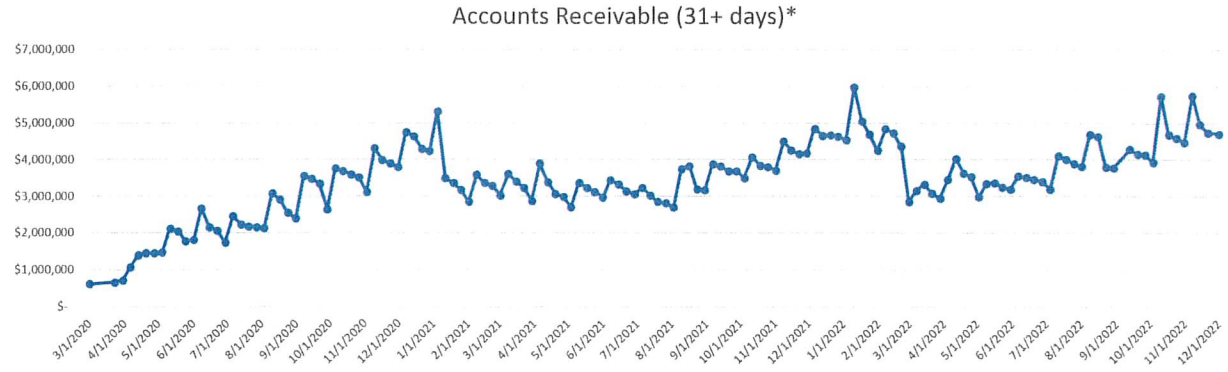
In the last year, BWP's net income has been heavily impacted by increasing inflation. U.S. inflation has climbed as high as 9.1%. In many cases, we are seeing expenses for utility-grade items much higher than 9.1%. Below are examples of utility items impacted by inflation:

- Emissions control system upgrade for the Lake One Unit – an increase of 25% from $2 million to $2.5 million
- A renewable solar, plus energy storage project - increase of 71%, from $35/MWh to $60/MWh
- New substation buildout - increase of 47% from ~$17M to ~$25M
- Rebuild substation - increase of 67% from ~$9M to ~$15M
- **Transformers – increase 25% to 50% and lead time is 1-3 years**
- **Network core upgrade – increase of 24% from ~$1.25M to ~$1.56M**
- **Fiber optic cable – increase of 20%**
- Copper coils for 1-inch service lines - increase of **100**% from $**4.33** to $**8.65** per foot
- 8-inch ductile iron pipe – increase of **52**% from $**17.12** to $**26.10** per foot
- **12-inch ductile iron pipe – increase of 79% from $25.10 to $44.84 per foot**

- **Fire hydrant – increase of 41% from $3,151 to $4,457**
- **Water meter boxes 45%**
- Other increases in materials:
    - Plastic conduit 125%
    - Chlorine gas **300%**
    - **Ammonia gas 100%**
    - Plastic 57.7%
    - Metals 35.5%
    - Precast concrete products 12.8%
    - Concrete 9.9%
    - **Paving materials: 14%**
    - **Bleach 72% increase from $1.15 to $1.98 per gallon**
    - **Aqueous ammonia 123% increase from $930 to $2,073 per ton**
    - **Liquid Caustic 23% increase from $735 to $907 per ton**
    - **Sulfuric Acid 83% increase from $.112 to $.206 per pound**
    - **CEMs gases 12%**
    - **Oil/Lubrication 40-50%**

Accounts Receivables

The chart below shows the change in receivables that are over 30 days old for BWP's electric and water funds.



*Excludes in-lieu and utility users' tax.

WATER DIVISION

Burbank's Water Use

The table below shows water use in Burbank during **December** 2022 compared to **December 2020** measured in gallons per capita per day (gpcd). The baseline year of 2020 is used to measure the governor's call for a 15% reduction in monthly water use.

	Average Monthly Use
December 2020	132 gpcd
December2022	96 gpcd

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	125	126	104	112	141	149	157	162	159	153	136	132
Goal	106	107	88	95	119	127	134	138	135	130	116	112
2022	106	128	127	131	133	145	148	146	123	126	112	
	-15.2%	1.6%	22.1%	17.0%	-5.7%	-2.7%	-5.7%	-9.9%	-22.6%	-17.6%	-17.6%	

Water use, in terms of gpcd, during **December 2022** was **27.3%** less than the **December 2020** baseline. However, we also look at the cumulative water use since July 2021, which looks at the long-term trend and ignores monthly variations. Our cumulative water use through December 2022 is **6.7%** less than baseline. Monthly water use will be tracked and reported versus 2020 values and continue to monitor the response to the Governor's order to reduce water consumption by 15%. All values are compared with the standard of 2020 water consumption.

Burbank Operating Unit (BOU) Water Production

The table below provides the operational data for the BOU for the months of **January** 2022 through **December** 2022.

Month	BOU Capacity Factor	BOU Ave. Flow Rate	Total System Blend % MWD/BOU
22-Jan	80.41%	7,237 gpm	20% / 80%
22-Feb	82.55%	7,429 gpm	20% / 80%
22-Mar	84.87%	7,638 gpm	20% / 80%
22-Apr	93.03%	8,373 gpm	12% / 88%
22-May	91.64%	8,247 gpm	15% / 85%
22-Jun	88.89%	8,000 gpm	22% / 78%
22-Jul	89.21%	8,029 gpm	26% / 74%
22-Aug	87.83%	7,199 gpm	24% / 76%
22-Sep	79.99%	7,905 gpm	20% / 80%
22-Oct	88.00%	7,920 gpm	14% / 86%
22-Nov	78.24%	7,042 gpm	14% / 86%
22-Dec	64.60%	5,814 gpm	17% / 83%
		Ave Blend %-last 12 months	19% / 81%

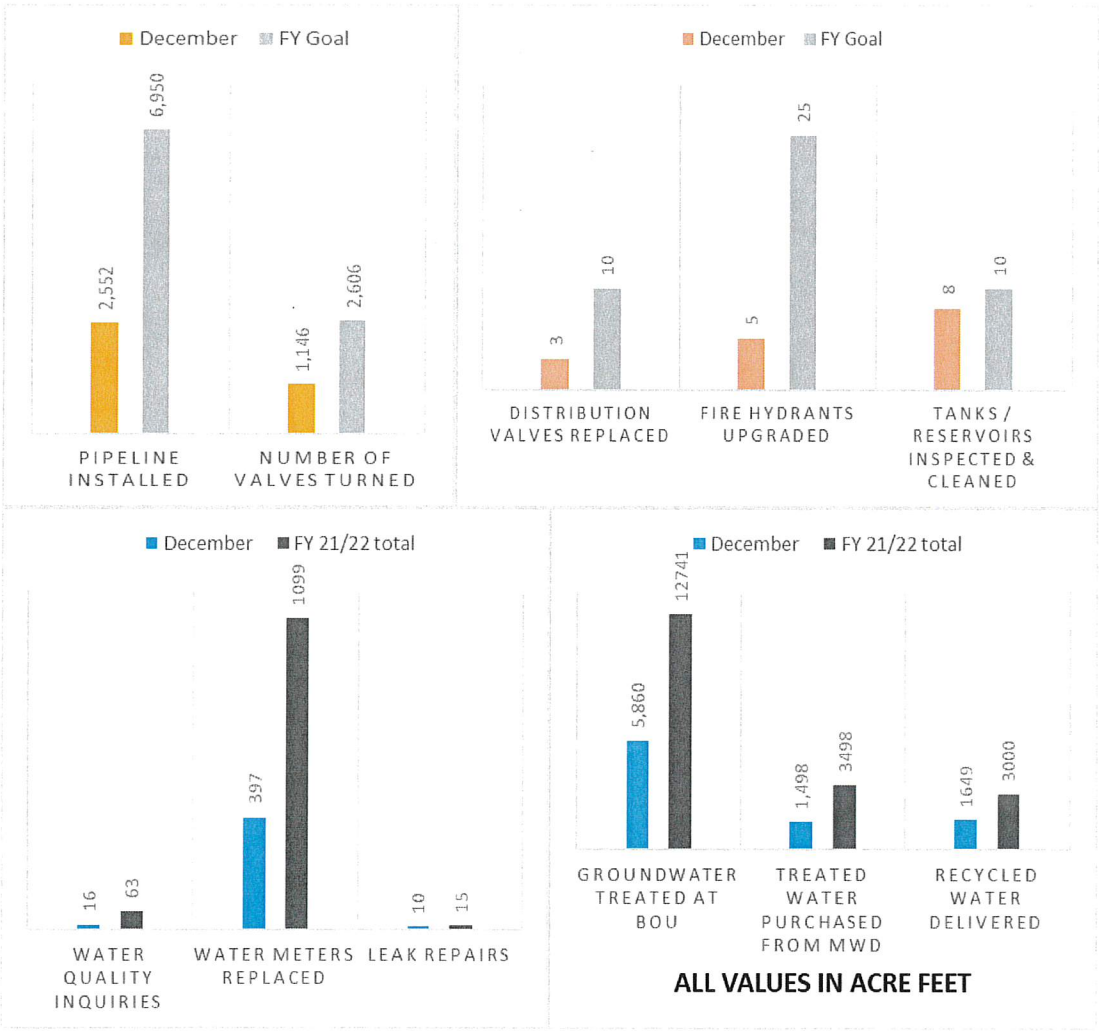
The total system blend percentage represents the total amount of water that was purchased from the Metropolitan Water District (MWD) vs. the amount treated by the BOU. This, along with the capacity factor, is an important measure of efficiency. The capacity factor may fluctuate based on demand and plant production; the blend percentage measures how much of the total system's demand is made of purchased or produced water. The amount of MWD water needed is determined by demand, availability of BOU water, and O&M outages.

Key Performance Indicators

The graphs below illustrate the progress the water division has made on key performance measures through **December.** Note that the values provided need to be viewed with respect to where we are in the fiscal year. Pipeline installation is **37%** complete, and we are **58%** through the fiscal year.

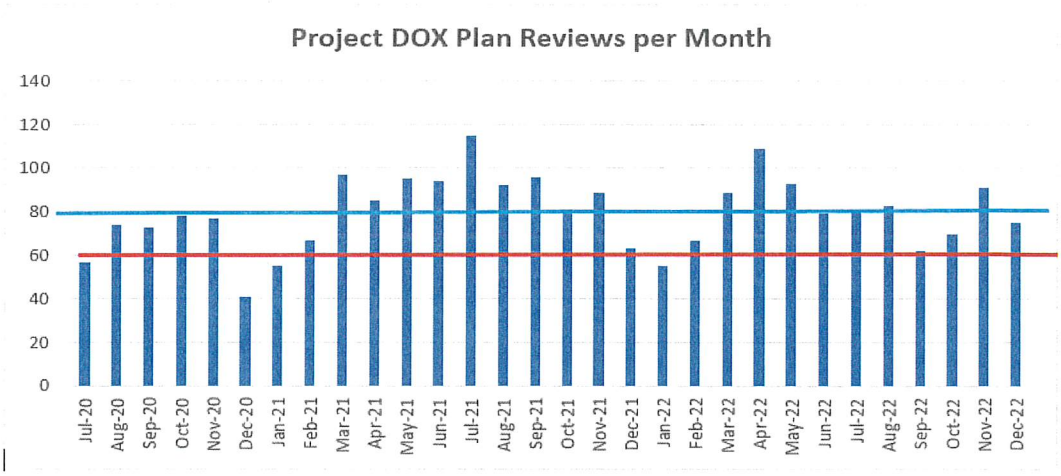
Chlorine gas deliveries have improved, but the main issue is the availability of truck drivers. To provide a backup to our chlorine gas supplies, staff installed a sodium hypochlorite tank and related equipment so that we now have two forms of chlorine to use (sodium hypochlorite is liquid chlorine – essentially bleach). This spreads the shortage risk across two forms of chlorine instead of relying on just one. Although the availability has slightly improved, the price of the chemical remains volatile. Since June 2021, the cost of chlorine has increased by **300%.** For this fiscal year, it increased by 29.25%.

We closely monitor chlorine gas supplies and track them daily.

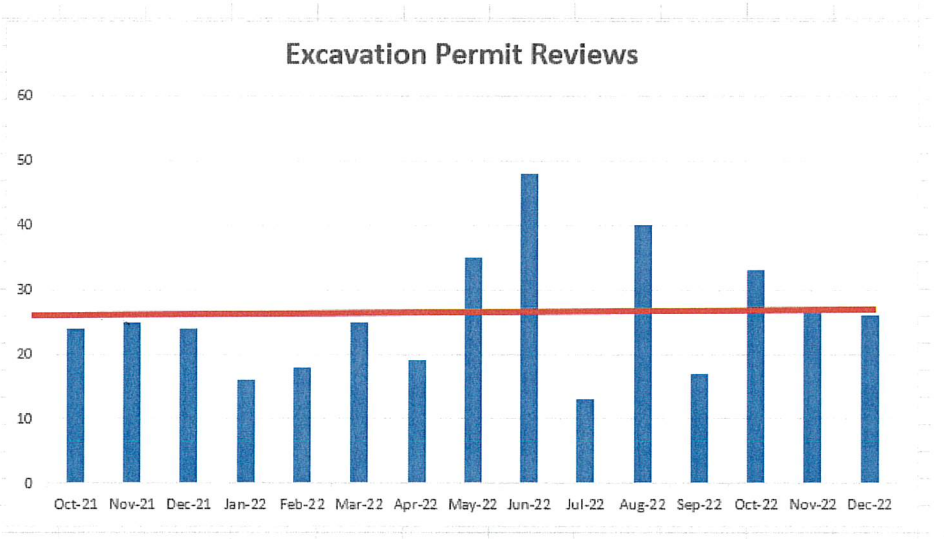


Plan Reviews

The Water Division has seen a significant increase in plan reviews starting with the onset of the COVID-19 pandemic, and we began tracking them in July 2020. Most of the plan reviews are ADUs (accessory dwelling units).



*Blue line is the average *Red line is the production capacity of an experienced planner



Leak Alert Notifications

In 2009, BWP began installing an automated metering infrastructure (AMI) system by Itron. Full deployment of the system (approximately 26,000 endpoints for water) was completed in 2011.

The benefits of AMI technology allow data to be collected rapidly and frequently and can be analyzed to find higher than normal usage and alert customers of leaks. BWP began providing leak alert service to residents who registered to receive notifications. This service, called Water Smart, works by receiving hourly water usage from the meter and analyzing this data to determine if a leak might be present based on continuous usage. In

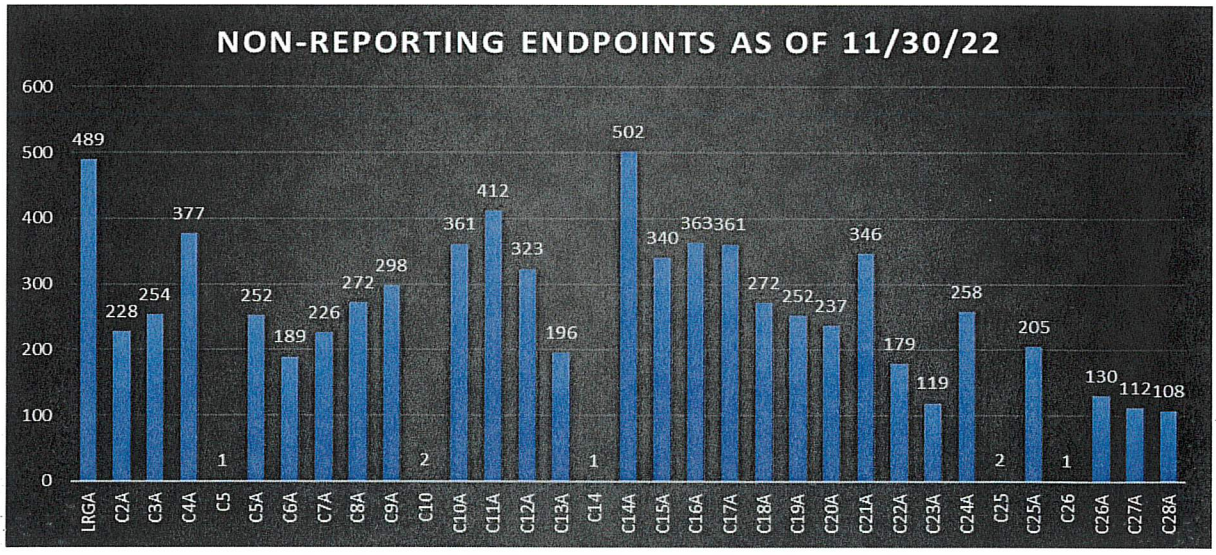
December 2022, WaterSmart sent out **604** notifications to customers, including **485** email leak alerts, **112** print leak alerts, **6** text message leak alerts, and **1** voice alert.

Unfortunately, a high number of water meter communication modules are not working reliably, and replacement units are no longer manufactured. As of **December 31, 2022,** BWP was not able to receive remote reads for **7,668** water meters out of 27,090 (**28%** of the total) due to failing communications modules and they had to be read manually. In March 2021, staff deployed an interim automatic meter reading (AMR) system to read meters with failed communication modules. However, we cannot receive the continuous communication that enables us to notify these customers of leaks.

BWP notified customers who participate in the leak alert program that the failure of these communication modules prevents the sending of leak alert notifications, and due to the continuing failures, BWP continually notifies the affected customers. The AMR system does not enable BWP to notify customers of leaks at all. This will leave customers vulnerable to unnoticed leaks causing water damage, bills that could reach thousands of dollars as well as unnecessary and significant water waste.

The schedule for the AMI project is provided below:

- September 15, 2022 - Release of Request for Proposals (RFP)
- September 30, 2022 - Pre-proposal meeting (virtual)
- October 3, 2022 - Due date for RFP questions
- October 21, 2022 - Due date for response to RFP 2:00 PM
- November 7, 2022 - Interview/negotiation dates
- January 30, 2023 – Notice of award
- February 1, 2023 – Notice to proceed (NTP)
- August 1, 2023 – Network Installation, Software Integration, Field Testing
- August 2023 to September 2024 – Full Deployment
- December 31 – 2024 – Project Completion



Burbank's Path to Sustainable Water Use

Burbank Water and Power is committed to facilitating a sustainable community. Our state is currently facing severe drought conditions. The drought makes our water-saving efforts more critical, and BWP wants to ensure our efforts drive lasting change. We have adopted the ADKAR change management model to help us deliver on this transformation and have been planning efforts to help our community make lasting change. The ADKAR change model describes the steps that need to be taken, starting with awareness, desire, knowledge, ability, and re-enforcement. The table below describes these steps, and the actions BWP has completed and plans on completing.

	Completed	Planned
Increasing drought and water conservation awareness	• Digital Currents (**2022**: January, March, April, May, June, July, August, September, October, November. **2021:** August, September, October, November, December) • Print Currents (April 2022, November 2021, July 2022) • BWP drought webpages • BWP Online Account Manager banners • Social media (Facebook, Twitter, Instagram) • Flyers with watering schedule and conservation programs information • Bill inserts • Bill graphics • Graphic on bill envelope • MyBurbank advertisement • Burbank Channel advertisement • Educational videos (Burbank's water story, drought and conservation programs, and Stage II rules) • Press release – Stage III • Parks & Recreation newsletter advertisement • Burbank Channel advertisement • Educational video for stage III • Water city hall turf with recycled water	• Highlight how BWP employees are saving water in their own daily activities to promote water conservation in Digital Currents in Q1 2023. • Continue to provide drought updates and water-saving resources to customers through digital and print *Currents* newsletters.

	• Email and letter to commercial, industrial, and institutional (CII) customers about Emergency Water Regulation • Burbank Bus advertising • HeyBurbank feature – July 2022 https://youtu.be/v6Z2aBQVMCU • Burbank Recycle Center advertisement • Doorhangers for water waste violations • Magnolia Blvd banner • Enforcement notifications via letter for watering violations: Education letter number 1, Education letter number 2, fine of $100, fine of $200, fine of $500 Outreach efforts to notify customers of the MWD pipeline repair that resulted in no outdoor watering from September 6-20, 2022 • Launched temporary Recycled H2O to Go Program • Updating community of November 1st water schedule change to one day per week, on Saturday from November to March. • **Print advertisements will be placed at ~40 Burbank retail locations for one month starting physical advertising options in Burbank, such as at Burbank parks and local retail locations, anticipated to launch in January 2023.** • **Advertisement placed in Burbank Bulletin advertisement in January 2023 and will run in February 2023.**	
Increasing the community's	• Automated leak alerts to customers	• Exploring options for service-based events, and local community

desire to make change	• Report water waste online form – Stage II • Report water waste online form – stage III • Targeted communications on irrigation schedule compliance and high-volume users to customers based on WaterSmart AMI information • BWP participated in the 2022 National Night Out event in August 2022, and promoted water conservation at the event. • BWP sponsored one of the Starlight Bowl summer concert series and promoted water conservation at the event. • Home Improvement Program door-to-door outreach • Participated in rain barrel distribution event with other cities in September 2022, resulting in 17 residents signing up to receive rain barrels • Updated website and began promoting Turf Removal Rebate Increase to $3 sq. Ft, including video testimonials from BWP customers who participated in the program. • **Launched Demonstration Gardens grant program for drought tolerant landscaping and local gardens. BWP has received ~30 inquiries from customers who reached out to learn more about the program.** • **Launched campaign promoting commercial water-saving rebate programs in November 2022. The campaign will be promoted until the end of December 2022.**	events to promote water conservation.

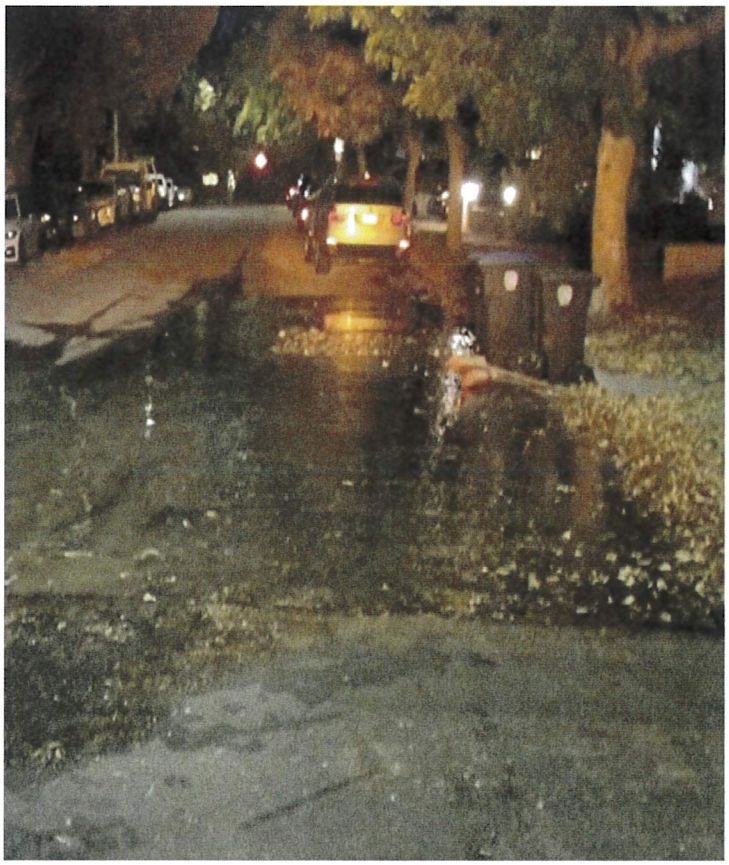
	• **Table tents for restaurants launching in January 2023.**	
Customer knowledge on how to make change	• Signage and pool cover rebate applications for local shops • Drought flyer with water conservation programs information • Lobby signage with water conservation programs information • Portable signage with water conservation programs information for local events (National Night Out, Starlight Bowl) • Customers' testimonials and resource recommendations on turf replacement • **Promote water conservation and turf replacement classes offered by MWD/Green Gardens Group in BWP newsletters and on social media.** • **Developed virtual Water Educational course to provide education to customers who have received a citation from a Water Waste Violation. The course launched in December 2022.**	
Ability to make change	• Increased rebate amounts for: o Flow monitoring device - $150 o High-efficiency clothes washer - $150 o Rotating sprinkler nozzle - $5 o Weather-based irrigation controller - $100 o Soil moisture sensor system - $100 o Premium high-efficiency toilet - $100	Reducing the cost for customers to make change: • Continue offering water conservation giveaway items (buckets, soil moisture sensors, adjustable nozzles for hose, etc.) to encourage water use efficiency

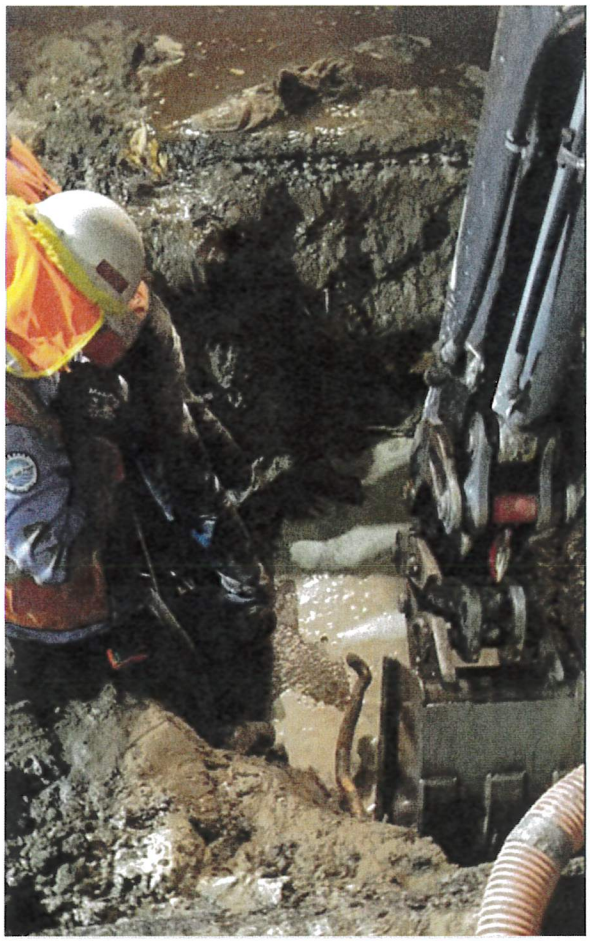
	• Turf Removal Rebate increased from $2 sq/ft to $3 sq/ft. • Home Improvement Program additions for sprinkler check and controller programming for common areas of multi-family unit buildings • Provide no-cost showerheads, and kitchen and bathroom aerators to customers in the BWP lobby • Provide no-cost toilet dye tablets to help customers detect toilet leaks • Leak assistance grant for income-qualified households • Conducted social media giveaway to provide collapsible buckets to capture sink water for use on outdoor plants. • Provided soil moisture sensors daily to first two Recycled H2O to Go participants. • Innovative Conservation Program (ICP) pilot project enables water usage monitoring and leak detection services for multi-family property owners and tenants **Reducing the cost for customers to make change:** • **Reinitiate Demonstration Garden Grants Program.** • **Added additional funding for water efficiency rebates; Turf Removal Rebate increased from $2 per sq ft to $3 per sq ft.** • **Partnered with neighboring cities to have a "Rain Barrel Distribution Event" on January 8, 2023.**	
Reinforcement, including progress	• Fill the "Burbank Tank" graphic that staff will update monthly on	• **Lawn signs will be distributed to homes who complete their**

updates and recognition	the BWP website and in Digital Currents. •	**home audit starting January 30th** • Develop a customer recognition program for customers who are saving water and launch the rewards program by February 2023.

Projects

Water Main Break – 219 West Ash Street:
Crews work hard and fast to repair a leak on this early 1950's 6-inch cast iron water main. This particular section of pipe had a radial crack right at the corporation stop that serves the resident's service connection. This repair was completed by using a full-circle repair clamp as well as installing a new corporation stop. Much of the city's pipes are nearly a hundred years old and getting older and we will continue to have main breaks as our assets age. Fortunately, we have a dedicated team that offers a quick response, which prevented this break from turning into a catastrophic event.





ELECTRIC DISTRIBUTION

ELECTRIC RELIABILITY

In **December** 2022, BWP experienced one sustained feeder outage. In the past 12 months, automatic reclosing has reduced customer outage time by approximately **970,637** customer minutes.

Reliability Measurement	January 2021 – December 2021	January 2022 – December 2022
Average Outages Per Customer Per Year (SAIFI)	**0.3105**	**0.2226**
Average Outage Time Experienced Per Year (SAIDI)	**16.4 minutes**	**4.54 minutes**
Average Restoration Time (CAIDI)	**52.83 minutes**	**20.41 minutes**
Average Service Availability	**99.997%**	**99.999%**
Average Momentary Outages Per Customer Per Year (MAIFI)	**0.2862**	**0.2318**
No. of Sustained Feeder Outages	**13**	**7**
No. of Sustained Outages by Mylar Balloons	**1**	**2**
No. of Sustained Outages by Animals	**0**	**0**
No. of Sustained Outages by Palm Fronds	**2**	**1**

The predictive-analytics-driven equipment replacement program has been placed on hold since 2021 due to scarcity of equipment, longer than usual lead times, and low staffing levels. This action will drive reliability numbers slightly lower over time; however, staff believes this is an acceptable impact as maintaining the program would deplete our existing equipment stock and exposes the utility to the risk of not having equipment available if a major disaster occurs. Staff will re-assess commencing with the replacement program once equipment levels are sufficient and lead times are normalized.

Supply Chain

The electric utility industry has been heavily impacted by the pandemic over the last several years. Pricing and lead times for equipment have increased at an accelerated pace. Below is a list of lead times for the most common distribution equipment:

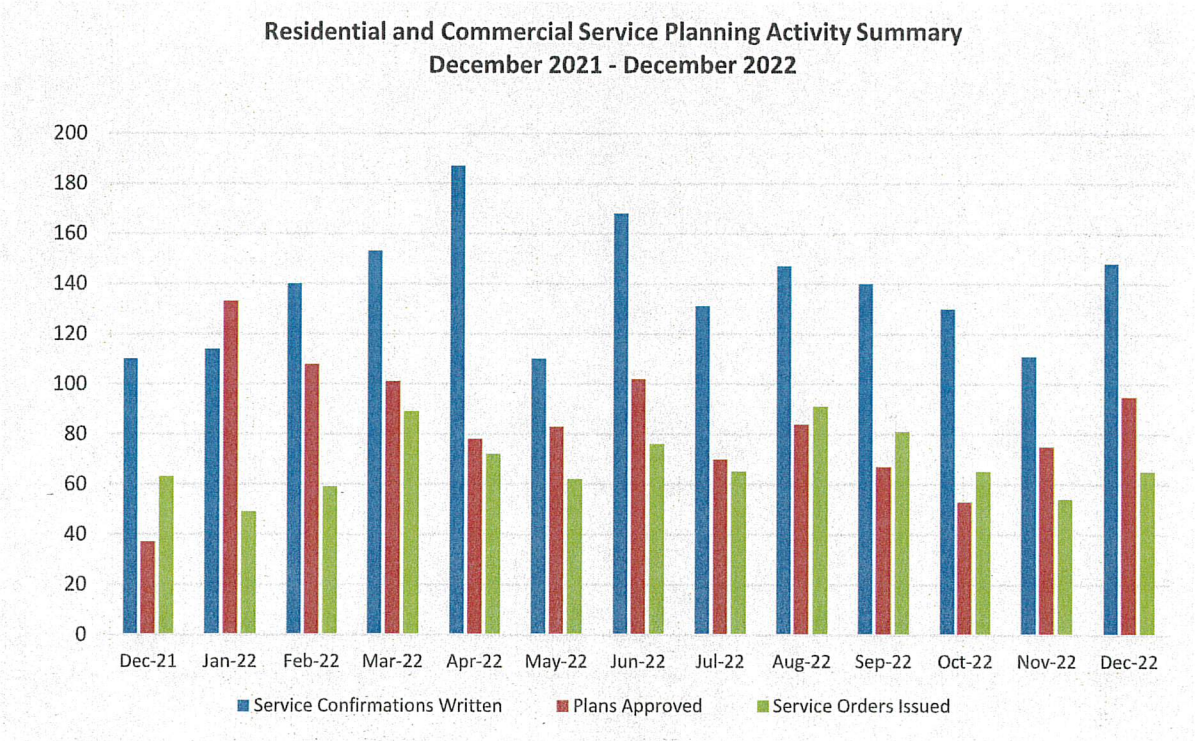
Equipment	Typical Lead Time	Current Lead Time
Transformers	12-16 weeks	150+ weeks
Meters	4-6 weeks	**38+ weeks**
Cable	12-16 weeks	**50+ weeks**
Poles	6-8 weeks	**30+ weeks**

PROJECT UPDATES

Residential and Commercial Service Planning Activities

BWP provides our residential and commercial customers with the electrical power they need for new services or upgrades to their existing services. In order for a customer to obtain a building permit for their construction, BWP service planners must visit the customer's facility and fill out an electric service confirmation form which details what type of service is required and how it will be served. After reviewing and approving a customer's electrical plans, BWP service planners issue service orders to our field crews to carry out the inspections and electrical service work. The graph below summarizes the monthly activity for our residential and commercial service planning group within the T&D engineering section.

The electrical engineering section is seeing an unprecedented amount of development requests including large site developments, major housing developments, and accessory dwelling units. In the last decade, BWP has energized about 400 new residential units. Based on the current proposed development, BWP is on the path to energizing more than 2,000 new residential units in the next three to four years. This is a tenfold increase in the amount of development. If this level of work is to continue, the electrical engineering section will need to staff accordingly to be able to keep up with the maintenance work that is currently being placed on hold to accommodate the development work and resulting capital projects.

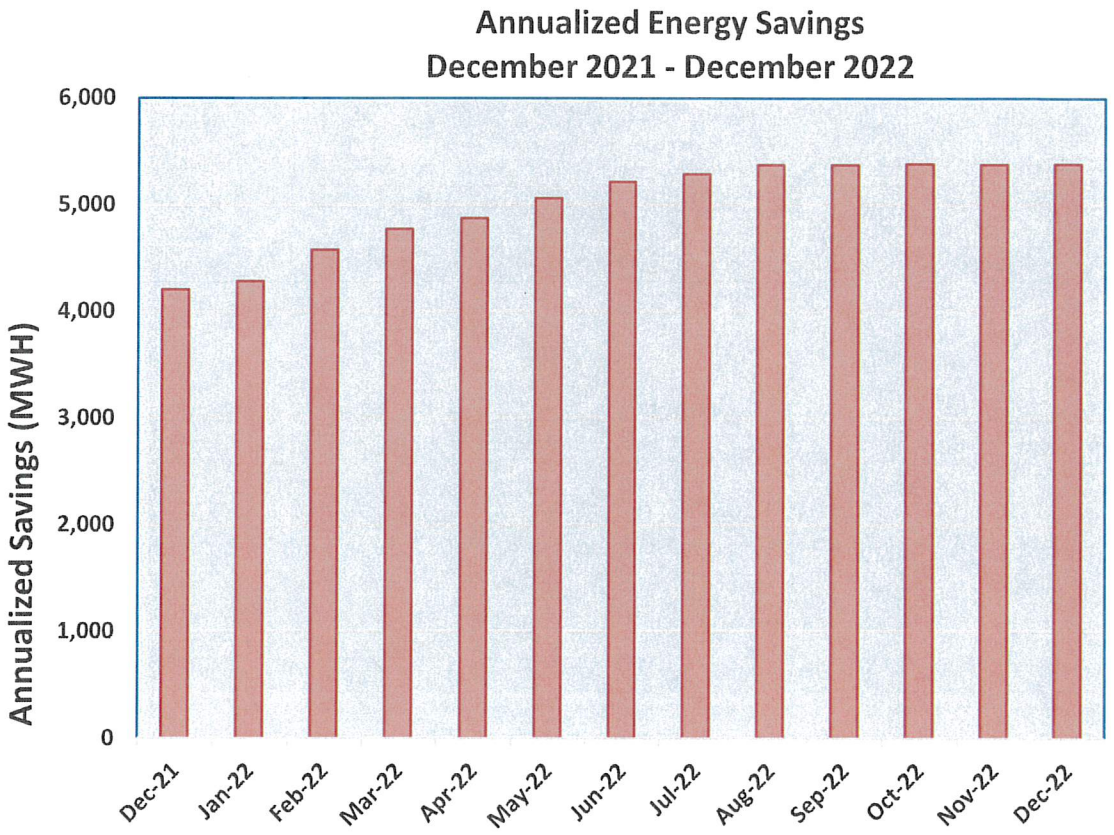


**Activity includes staff revisions to electric confirmations

STREET LIGHTING

LED Replacement Program

In accordance with the Street Lighting Master Plan, BWP is replacing high-pressure sodium (HPS) street light luminaires with light-emitting diodes (LED) luminaires. Replacement is carried out on a maintenance basis, and LEDs are installed daily as the HPS luminaires burn out. LED replacements consume approximately 60% less energy. To date, **91.72%** of the total street light luminaires have been converted to LEDs, which translates to an annualized energy savings of **5,386** MWh or a **58.11%** reduction in energy consumption. LED conversions have also reduced the evening load by **1,248** kW, which shortens the "neck of the duck curve" and reduces the amount of energy generation that BWP needs. The graph below shows the annualized energy savings in MWh for the past 13 months.



Wireless Telecom Attachments

BWP has entered into four master license agreements to allow communication carriers to attach, install, operate, and maintain communication facilities on street light poles with the public right-of-way.

For the communication carriers to build a new location for a wireless telecom attachment, BWP must first provide an electric service confirmation, which details how the location

will be served. Each design must meet the city's aesthetic requirements as well as BWP's design guidelines. Once BWP approves the plans and a Public Works permit is issued, BWP issues work orders to our field crews to carry out inspection as well as the electrical and street lighting work. The table below summarizes the activity that has taken place to date:

	Confirmations in Progress	Written Confirmations	Plan Signoffs	WTA Work Orders Issued	WTA Sites Energized
Total	0	256	**14**	**10**	**46**

CUSTOMER SERVICE OPERATIONS

BWP continues to assist customers through the COVID-19 pandemic. Customer Service Representatives (CSR) assist customers by making payment arrangements to reduce the amount in arrears and provide additional resources to help customers manage their finances related to their utility bill. BWP staff continue to proactively engage customers to reduce their arrears by encouraging payment arrangements to any customer they interact with that has a 60-day or greater past due balance. We currently have **241** customers who have an active payment arrangement, resulting in a reduction of arrears by **$767,713.** BWP will continue to encourage payment arrangements to assist our customers to manage their outstanding arrears.

On October 27, 2020, the Burbank City Council approved resuming non-payment disconnections of medium, large, and extra-large commercial customers. Disconnections were discontinued once California Arrearage Payment Program (CAPP) was announced, due to the prohibition of disconnections for 90 days after applying CAPP funds to customer accounts in May 2022. Thereafter, BWP began notifying medium, large, and extra-large commercial customers via letter and personal phone calls that disconnection for non-payment would resume as of July 6, 2022, and encouraged payment arrangements. In addition, several communications were sent to customers subject to disconnection including letters, e-mails, and automated phone calls. Since the beginning disconnections, a total of **six** medium, large, or extra-large commercial customers have been disconnected for non-payment, resulting in a reduction in arrears by **$36,198.39.** Customers are making their payments and/or entering into a payment arrangement.

In late June 2022, we received notification that the legislature and Governor had approved a new round of funding for unpaid electric bills resulting from the COVID pandemic. There is $239.4 million available for publicly owned utility (POU) accounts. This new program, known informally as CAPP 2.0, will operate in a similar fashion as CAPP 1.0 with a few key differences. CAPP 2.0 will have a longer COVID-19 pandemic relief period that extends from June 16, 2021, through December 31, 2021, and will only benefit active residential customers. On October 25, 2022, BWP submitted an application to apply for the CAPP 2.0 program. BWP received $637,838.06, which was applied to the accounts

of 1,393 active residential customers on December 28, 2022. **609 customers who received assistance in 2021 have received assistance again.**

Since CAPP 2.0 will not be applied to commercial customers, on August 4, 2022, the BWP Board reviewed and passed the proposal to resume disconnections for small commercial customers beginning September 1, 2022, with a 7-0 vote. On August 23, 2022, City Council voted 3-1 to approve resuming power disconnections for small commercial customers effective September 1, 2022. After receiving approval from City Council, BWP immediately began notifying all small commercial customers via letter, e-mail, and automated phone calls. Small commercial customers who are eligible for disconnection, began receiving an official notice as of September 6, 2022. BWP began disconnecting small commercial customers for non-payment effective September 29, 2022. From September 29, 2022 through **January 23, 2023**, **142** small commercial customers have been disconnected for non-payment, resulting in a reduction in arrears of **$204,734, and 71 customers established payment arrangements totaling $399,074. The 71 small commercial customers on payment arrangement are no longer eligible for disconnection as long as they continue to meet the terms of the arrangement.**

As of November 2, 2022, 159 small commercial customers had arrears over 60 days and were eligible for disconnection. As of January 23, 2023, that number has dropped to 79. This indicates that small commercial customers are continuing to make payments or enrolling in payment arrangements to avoid disconnections.

As of December 26, 2022, there are 3,557 residential customers with at least 60 plus days of arrears. Currently, the 61-90 day arrears is $834,669 and the 91 plus days arrears is $4,295,910, totaling $5,130,579. Of the 3,557 residential customers, 71 receive the Lifeline rate for low-income seniors over the age of 62 and disabled customers, and 75 customers receive the Burbank Utility Service Subsidy (BUSS). 994 customers with 60-plus days of arrears received assistance from the state's California Arrearage Assistance Program in 2021.

Staff has been reaching out to all 3,557 customers monthly advising them of BWP's various payment assistance programs. Staff is increasing our efforts to reach these customers by promoting payment assistance programs via social media communication channels. BWP's December issue of Digital Currents featured bill assistance programs and was emailed to 30,800 customers and had a 76% open rate.

BWP will request City Council approval to resume normal operations by restarting disconnections on residential customers, effective April 3, 2023. As of December 19, 2022, BWP has over $6 million dollars in total residential arrears, which is equivalent to a one-time 2% water rate increase and a 2% electric rate increase for all BWP customers. Re-establishing power disconnections for residential

customers will reduce financial exposure to losses and cost-shifting to all customers.

Outstanding Debt

As of **January 9, 2023**, the following is the current outstanding debt by commodity:

Aging By Service Type				
Service Type	**31-60**	**61-90**	**91+**	**Total**	**% of Total**
ELECTRIC	**$ 1,773,156**	**$ 494,223**	**$ 2,749,894**	**$ 5,017,272**	**62%**
WATER	**$ 209,275**	**$ 114,765**	**$ 567,015**	**$ 891,055**	**11%**
SEWER	$ 180,529	$ 103,707	$ 562,329	$ 846,565	10%
SOLID WASTE	$ 173,445	$ 107,785	$ 745,431	$ 1,026,660	13%
FIBER OPTIC	$ 165,224	$ 56,233	$ 88,880	$ 310,336	4%
GENERAL SERVICE	$ 1,169	$ 616	$ 4,064	$ 5,848	0%
MISCELLANEOUS	$ -	$ -	$ 18	$ 18	0%
Grand Total	**$2,502,797**	**$877,328**	**$4,717,630**	**$8,097,755**	**100%**

BWP Call Center Call Types & Volume

CUSTOMER CONTACT TYPES	% OF CALLS
BALANCE	15%
UPDATE CUST ACCOUNT INFO	15%
PAYMENT ISSUES	3%
HIGH BILL/USAGE REVIEW	3%
DUPLICATE BILL REQUEST	3%

	Nov - 21	Dec - 21	Jan - 22	Feb - 22	Mar - 22	Apr - 22	May - 22	Jun - 22	Jul - 22	Aug - 22	Sep - 22	Oct - 22	Nov - 22	% Inc/Aug
Call Volume	2,845	3,102	3,234	2,833	3,340	3,148	3,314	3,311	3,220	4,001	4,436	3,983	3,010	-24.4%

CUSTOMER CONTACT TYPES	% of Calls
Update Customer Account Info	**19.0%**
Balance	**17.0%**
Conservation Programs & Rebates	**3.0%**
Disconnect / Reconnect	**3.0%**
Payment Issues (Non-Autopay)	**2.5%**

	Dec - 21	Jan - 22	Feb - 22	Mar - 22	Apr - 22	May - 22	Jun - 22	Jul - 22	Aug - 22	Sep - 22	Oct - 22	Nov-22	Dec - 22	% Inc/Aug
Call Volume	3,102	3,234	2,833	3,340	3,148	3,314	3,311	3,220	4,001	4,436	3,983	3,010	3,037	1.0%

Call volume **remained steady, with a 1% increase from November. The majority of the calls in December were related to balance inquiries and requests to update their account information.**

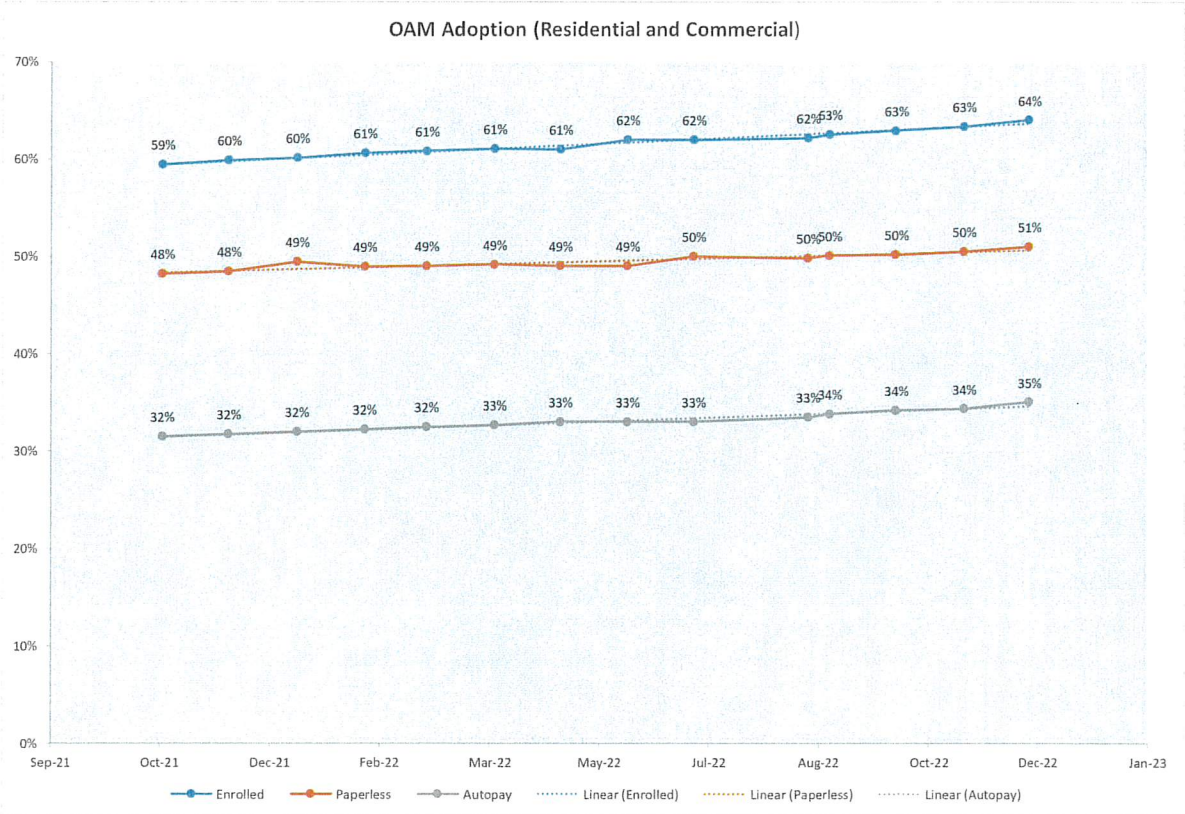
Online Account Manager

The Online Account Manager (OAM) is BWP's online customer portal. Customers can view their utility bills, make payments, change addresses, and enroll in automated bill and

payment notifications. The enrollment in the online account manager (OAM) is currently **at 64% of all active accounts**; increases in enrollments have been on the rise since the COVID-19 pandemic. Of the 37% of customers who are not currently enrolled in OAM, 86% of those customers are residential. Of all registered OAM accounts, about 82% are paperless customers helping BWP reduce costs, save trees and reduce carbon emissions. BWP will continue its efforts to drive customers to the OAM, paperless, and autopay. These initiatives will continue to drive down costs.

BWP continues to market and promote general OAM outreach campaign utilizing every owned channel, including on-bill messaging, *Digital Currents*, print *Currents*, social media, and BWP's website. Last fiscal year BWP set a target to reach 66% OAM adoption. This last 3% has proven to be challenging. In Q4 for FY 22/23 BWP will again try a targeted marketing campaign to increase enrollment.

Below is the chart outlining activity for the OAM:



	Active	% of Total Active Accounts
Active Users	33,417	64%
Paperless	26,615	51%
Autopay	18,135	35%

SUSTAINABILITY, MARKETING, AND STRATEGY

BWP'S Energy Efficiency and Water Savings – Fiscal Year to December 31, 2022

BWP manages a comprehensive portfolio of resource efficiency programs for residential and commercial customers focusing on energy efficiency, peak load reduction, water conservation, transportation electrification, and greenhouse gas savings.

BWP is currently at 6% of our demand energy efficiency and 5% of our energy efficiency savings target. We have established plans to make up ground by the end of the fiscal year. The strategies include filling vacant positions which will help us in driving program enrollment, including a key accounts manager to promote commercial rebates, and an enhancement of the Home Improvement Program's scope of services with direct outreach to the Burbank Housing Corporation to retrofit and electrify multiple housing units.

BWP's Refrigerator Exchange Program offers income-qualified customers a new Energy Star certified refrigerator in exchange for their old, inefficient refrigerator. The Refrigerator Exchange Program has had **41 refrigerators exchanged** since the beginning of the fiscal year.

BWP's Shade Tree Program provides an arborist visit and delivers shade trees to help customers shade their properties, reduce A/C usage, and clean the air. The program has **delivered 110 trees** since the beginning of the fiscal year.

In addition, the *Home Improvement Program (HIP)* offers energy-water surveys and efficiency measure installations to all Burbank single-family residential, multi-family residential, and multi-family common area customers. Some of the HIP's services include direct installation services of weather-based irrigation controllers, high-efficiency sprinkler heads, soil moisture sensors for low-income single-family and multi-family common area customers, and properties within the disadvantaged community areas of Burbank. Furthermore, the program offers energy-water surveys and the installation of efficiency measures for multi-family common area customers. **This month, 44 households participated in HIP, a total of 277 customers have participated in the HIP since the beginning of the fiscal year.**

Some additional energy efficiency programs include residential and commercial rebates for the purchase and installation of high-efficiency measures, AC Replace Before It Breaks, and LivingWise.

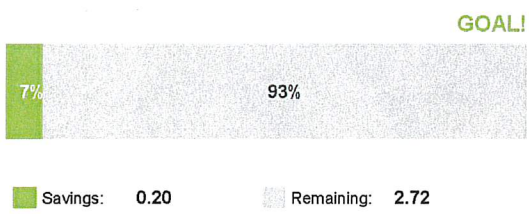
BWP continues to offer various water conservation programs and incentives to the community. In addition to giveaways of low-flow showerheads and aerators at no cost and direct installation of water efficiency measures delivered through the HIP, Burbank residents and businesses are eligible for various water-saving technology rebates funded and administered by the Metropolitan Water District's (MWD) Regional Incentive Program. Starting in August, BWP used its water public benefits charge fund this fiscal year to establish additional incentive levels to help its residential and commercial customers reduce their water use during the ongoing drought. BWP increased turf replacement rebates by 50%. Residential customers have been particularly responsive and the program and within 2 and a half months the rebates have been fully subscribed. BWP has shifted funds into the residential turf replacement program to support 100,000 square feet of turf to be replaced in Burbank.

BWP recently **relaunched** the Hydration Station Program for commercial customers. The program offers rebates for water filling stations to provide the community with access to safe and reliable tap water while also helping reduce plastic bottle waste. MWD funds the Hydration Station Program.

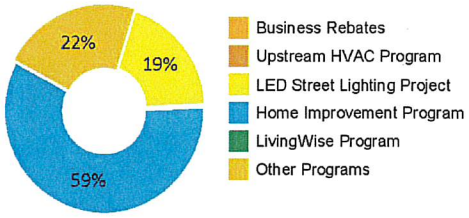
Energy Efficiency Savings FYTD 2022-2023 Period ending on 12/31/2022

1% Demand Goal = 2.92 MW

Demand Savings to Date

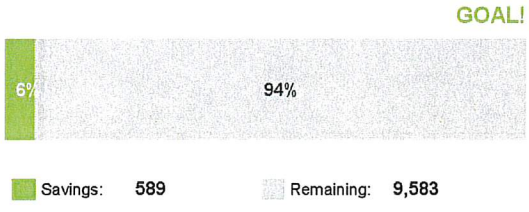


Savings by Program

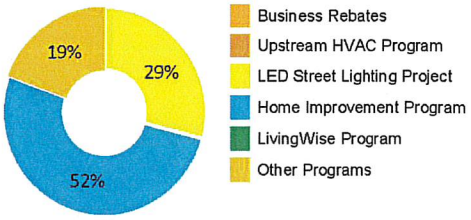


1% Consumption Savings Goal = 10,172 MWh

Savings to Date

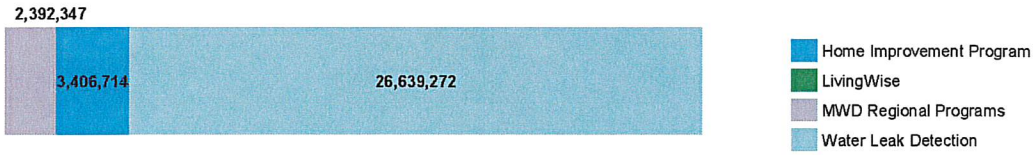


Savings by Program



Water Efficency Program Savings

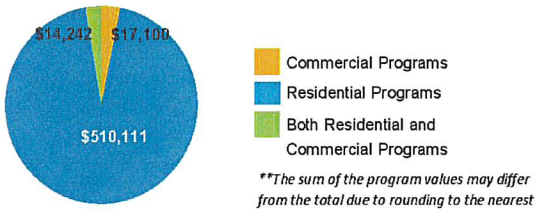
Gallons of Potable Water



32,438,333 Gallons of Water Saved for FY 22/23

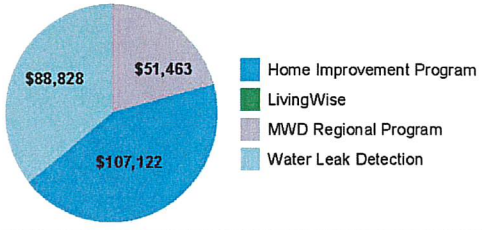
Efficiency Direct Program Costs* FYTD 2022-2023

****Electric Programs: $541,452**



***The sum of the program values may differ from the total due to rounding to the nearest dollar.*

Water Programs: $247,412



*Direct program costs reflect rebates and payments to program implementers, they do not include marketing and administration costs

Electric Vehicle (EV) Charging Program

BWP plays a key role in facilitating the adoption of transportation electrification through education and the development of programs and initiatives.

The city now has seventy-three public EV charging ports, including two DC fast chargers and 24 curbside ports. As of **November** 1, the public charging rate is **$0.18** per kWh for all hours at a level two charge. The public charging rate is **$0.29** per kWh for DC fast chargers for all hours.

Public Charging Energy Delivery

In **December,** the per-port average revenue was **$144**.

Period	Average Usage	Average Total Revenue	Average Per Port Revenue	Notes
Dec 2019 - Feb 2020	28,047 kWh	$4,779	$101	Pre-COVID, all units operational
March 2020 - Feb 2021	14,211 kWh	$2,724	$60	COVID downturn
March 2021 - May 2021	23,889 kWh	$4,299	$91	COVID recovery period
June 2021 – November 2022	**45,459**kWh	**$8,397**	**$115**	Post-installation of new ports
October 2022	**56,070**kWh	**$10,692**	**$144**	Most recent month

New Public EV Charging Station Construction

Due to supply chain issues for electric metering cabinets, the energization of all charging ports has been delayed. In the current fiscal year, BWP will be able to energize at least two projects: stations near John Burroughs High School and Theodore Roosevelt. These are the first of 8 projects that were delayed to fiscal year 2022/2023 from fiscal year 2021/2022 due to supply chain issues. These 8 projects were planned to install 31 new level 2 ports and one new DC fast charging station. **Construction for the final curbside site, Verdugo and Lake, started in November. Meter service cabinets arrived in November to energize the projects currently in construction. The stations were planned for energization during December, but Building and Safety Inspection availability has delayed energization until January 2023.** BWP is still looking for alternative solutions to complete these projects. For the projects not in the right of way, we are exploring options that would use panels similar to house panels, mounted on H frames, that may have shorter delivery timelines. For the right of way, this would not be acceptable, and we would need to wait for the appropriate cabinets.

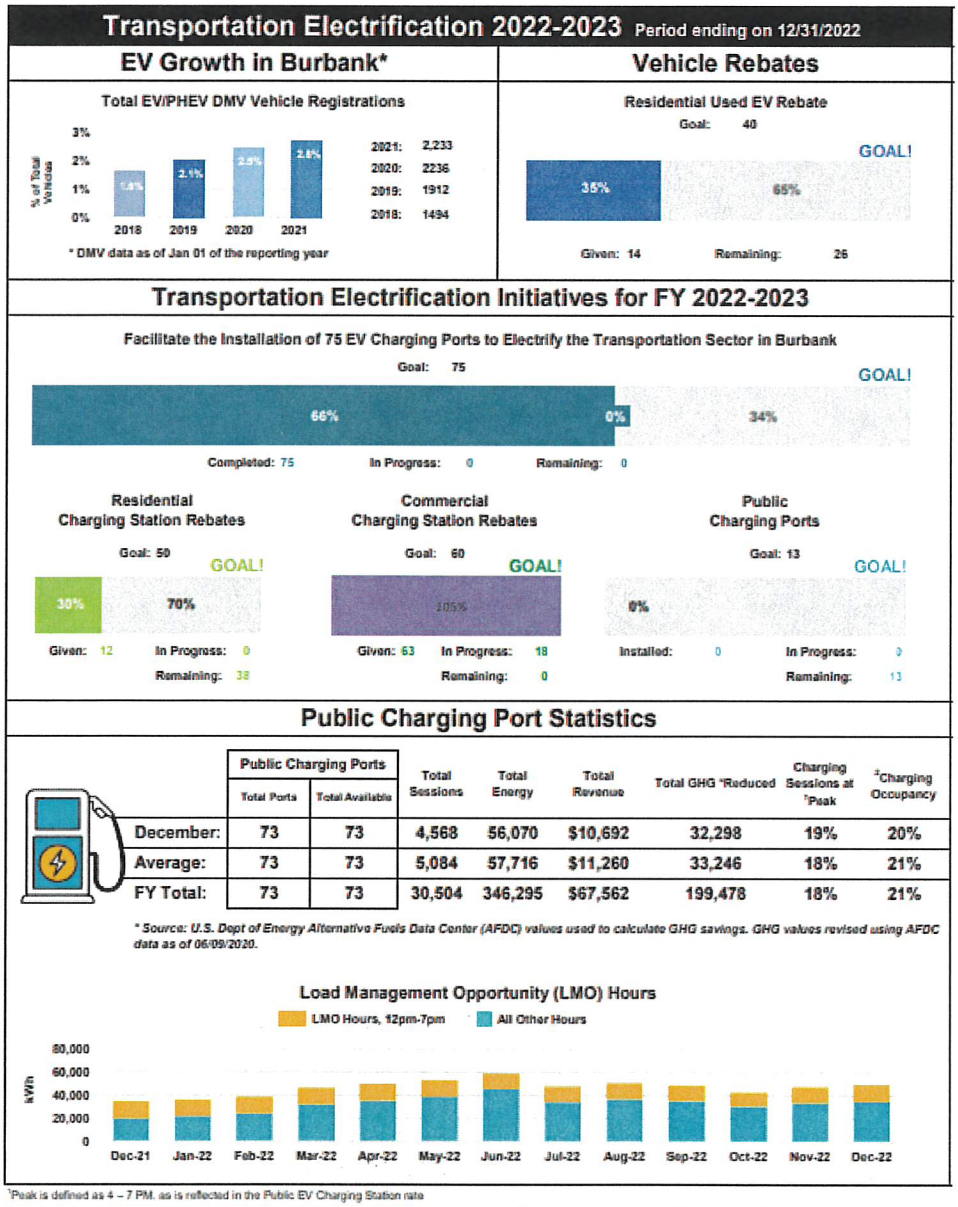
Commercial Rebate Program

BWP currently has reservations for 18 commercial EV charging ports.

A rebate was issued to IKEA for the 21 ports installed to support their local electric delivery fleet. A rebate was issued for 2 ports installed at Signature Post in November. A rebate for 40 ports installed at Netflix's parking was issued in December 2022.

Residential Rebate Program

One residential rebate was distributed in **December 2022.**



[1]Peak is defined as 4 – 7 PM, as is reflected in the Public EV Charging Station rate

[2]Charging Occupancy is defined as the percentage of time EV's are charging at stations for all available hours in a given month across all charging stations

Rooftop Solar and Battery Installations

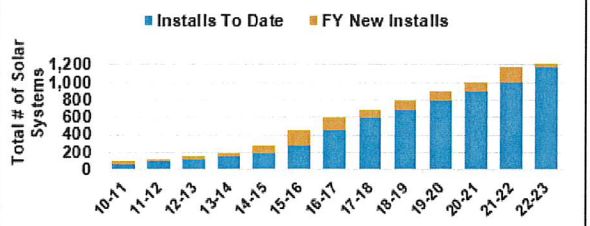
Customer-owned rooftop solar system installations continue to grow. Burbank Water and Power does not provide rebates for installing these systems. However, the 26% Federal Investment Tax Credit in 2020-2022 makes purchasing solar and/or battery systems more accessible. The tax credit expires starting in 2024 unless renewed by Congress.

Customer Rooftop Solar Installations

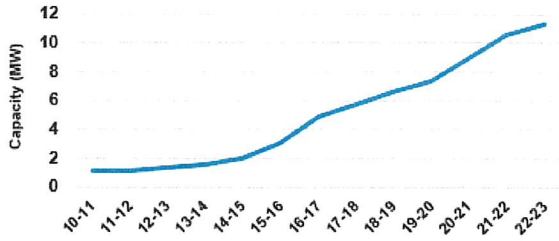
DECEMBER 2022

Reporting Month				All Time			
Solar Installations	10	5.99	0.17	Solar Installations	1,071	5.52	5.92
	Residential	Avg. Size (kW)	Installed Capacity (MW)		Residential	Avg. Size (kW)	Installed Capacity (MW)
	0	0.00	0.00		51	100.98	5.15
	Commercial	Avg. Size (kW)	Installed Capacity (MW)		Commercial	Avg. Size (kW)	Installed Capacity (MW)

Total # of Solar Systems



Total Rooftop Solar Capacity



Reporting Month				All Time			
Battery Installations	0	0		Battery Installations	20	35	
	Installations	Batteries			Installations	Batteries	
	0	0.0			145	466.6	
	Power (kW)	Energy (kWh)			Power (kW)	Energy (kWh)	

TECHNOLOGY

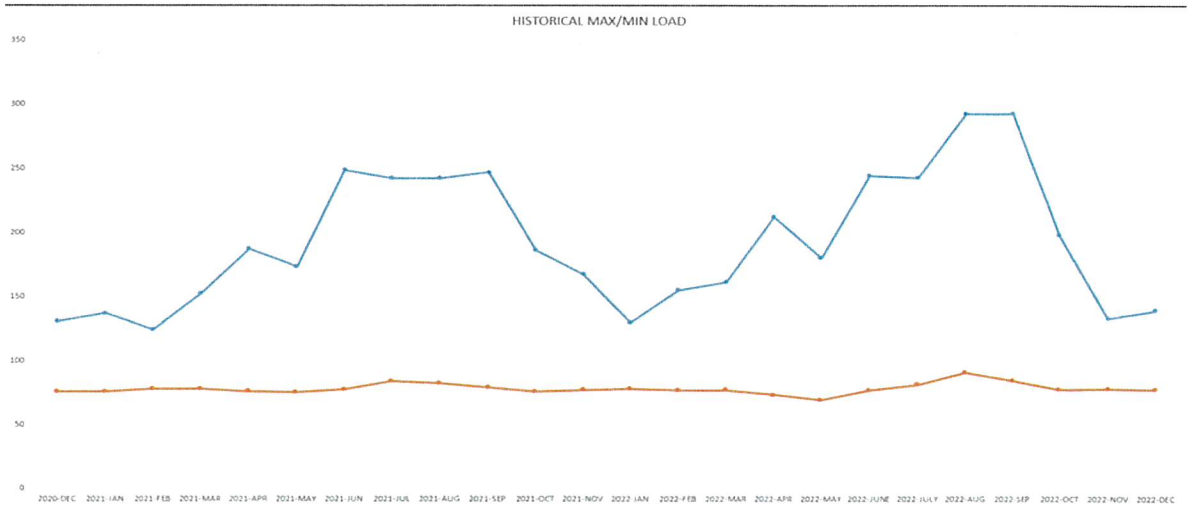
Broadband Services (ONEBurbank)

	December 2022 New Orders	Revenues for December 2022	FYTD 2022-23 Revenues	FYTD Budget
Lit	0	$163,990	$985,155	$800,000
Dark	2	$184,840	$1,127,315	$1,200,000
Total	2	$348,830	$2,112,470	$2,000,000

POWER SUPPLY

BWP SYSTEM OPERATIONS:

The maximum load for **December 2022** was **139.0 MW** at **10:51 AM** on **December 12, 2022,** and the minimum load was **77.6 MW at 3:41 AM** on **December 26, 2022.**



YEAR	MAX LOAD	MAX DATE
2022	292.8 MW	06-September-22 15:58
2021	248.5 MW	15-June-21 14:57
2020	292.3 MW	18-Aug-20 15:22
2019	282.66 MW	04-Sep-19 15:31
2018	306.3 MW	06-Jul-18 16:41

The Burbank power system did not experience any natural gas supply issues for **December 2022.**

Southern California continues to experience natural gas reliability and affordability challenges because of supply and demand mismatches. SoCalGas' system capacity and supply are primarily a function of two components: (1) transmission pipelines, which bring gas into and then transport it throughout the system; and (2) underground natural gas storage connected to transmission pipelines near system load. While one component of the system's limited supply is the transmission pipeline reductions and outages, the other critical component is storage operating constraints from the CPUC restricting the use of the Aliso Canyon Storage Facility. The current effective withdrawal protocol is restrictive but is less restrictive than the previous protocol, in that Aliso Canyon was only allowed to be withdrawn from if curtailment was imminent, but now can occur under less acute circumstances. As a result, BWP has not had issues with obtaining adequate gas supplies to operate its natural gas fired generators; however, the supplies have been at a much higher price than normal due to national and global issues and increases in demand.

Limited supply, coupled with high demand, has caused natural gas prices to increase significantly.

Following the Russia and Ukraine conflict, Russia implemented sharp reductions in exports of natural gas to Europe. According to the Energy Information Administration (EIA) report, U.S. liquefied natural gas exports to Europe exceeded Russia's exports in the third quarter. This is the first time this has occurred in history. For the first eight months of 2022, U.S. gas exports were 14% higher than in 2021. For the first 8 months of 2022, power generation, residential and commercial sectors demand caused U.S. demand to increase by 4%. U.S. storage levels were well below the 5-year average at the end of September 2022. U.S. natural gas prices reached their highest level since the summer of 2008, due to tight supply-demand balance and low storage levels. LNG exports are expected to increase another 4% next year, adding to the current U.S. supply/demand issue.

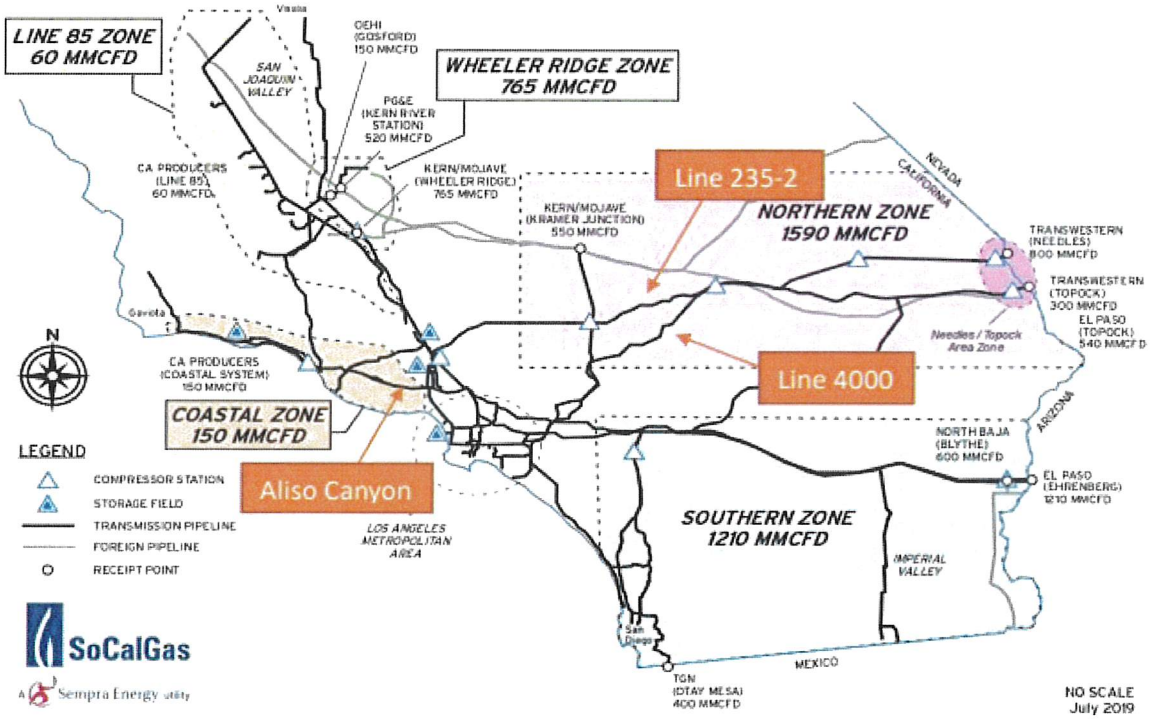
From the Federal Energy Regulatory Commission (FERC) October 2022 West Natural Gas Market Report, the table (below) shows that natural gas prices in 2022 are about three times higher than in 2019 and 2020. The price of natural gas jumped due to extreme winter (2021) weather followed by the Russia-Ukraine conflict, and these higher prices are expected to continue into 2023 and will continue to have a negative impact on BWP's budget. BWP continues to hedge (procure natural gas at fixed prices for future delivery) to minimize the risk and exposure to extreme pricing; however, the higher prices increase BWP's cost of generation, impact market prices for power, and have negative impacts on the budget.

West Day-Ahead Natural Gas Prices
Averaged Annually/Seasonally
Federal Energy Regulatory Commission Market Assessments

	Average Day Ahead Prices ($/MMBtu)	SoCal Border	Opal Wyoming Plant	El Paso Permian	PG&E Malin Oregon	Henry Hub
2019	Annual	2.67	2.78	1.11	2.83	**2.51**
	Summer	2.10	1.97	0.79	2.02	**2.39**
	Winter 2019/2020	2.17	2.23	1.06	2.27	**2.07**
2020	Annual	2.17	2.03	1.32	2.06	**1.99**
	Summer	2.07	1.81	1.24	1.83	**1.88**
	Winter 2020/2021	7.44	7.06	7.96	3.29	**3.08**
2021	Annual	6.11	5.52	5.67	4.01	**3.84**
	Summer	4.47	3.83	3.58	3.91	**3.87**
	Winter 2021/2022	5.05	4.88	4.05	4.88	**4.50**
2022 YTD	Annual	6.89	6.34	5.89	6.40	**6.67**
	Summer	7.96	7.20	6.76	7.30	**7.68**
	Winter 2022/2023					

We are keeping a close eye on labor issues and inflationary pressures and will provide an update as we get more information. We are also monitoring Senate Bill 1486, which would limit operations at Aliso Canyon, post-2027. BWP is a member of the Southern California Generation Coalition (SCGC), which continues to follow and participate in the CPUCs efforts to evaluate alternatives that would minimize or eliminate the use of Aliso Canyon. SCGC (including Burbank) continues to express concerns about reliability and the need to maintain the Aliso Canyon storage facility unless or until an alternative is identified that can supply the product and services that it provides.

Image 1: Receipt Points & Transmission Zone Firm Capacities



ELECTRICITY GENERATION:

BWP Generating Facilities

Unit	Availability	Operating Hrs	MWH (Net)	Net Heat Rate (Btu/kWh)	Number of Starts
Olive 1	0%	0	0	0	0
Olive 2	0%	0	0	0	0
Lake 1	**100%**	**0**	**0**	**0**	**02**
MPP	**92%**	**684**	**131,737**	**7,4381**	**1**

Olive 1 and 2 remained in dry storage, with a 274-day notice required to restart one unit and a 365-day notice required to restart both units. Olive 1 and 2 have been in dry storage since 2011 and 2012, respectively.

Lake 1 was placed online two times during the month of **December.**

Magnolia Power Project (MPP)

	December	FYTD	YTD
Availability	**92%**	**97%**	**95%**
Unit Capacity Factor (240 MW)	**74%**	**78%**	**72%**

MPP was shut down on December 9, 2022 to perform an offline water wash of the combustion turbine compressor. Balance of plant maintenance activities were also performed during this outage. MPP was restarted on December 12, 2022.

Tieton Hydropower Project (Tieton)

Tieton began generation on March 31, 2022, when sufficient water flow provided by the United States Bureau of Reclamation became available. Generation ended on October 19, 2022 when water flow was no longer available. A total of 54,011 MWh were generated this year which is above the annual average of 48,000 MWh. Maintenance inspections have since begun and will proceed until the next generation season begins in 2023. **There have been no unanticipated findings from the maintenance inspections that have been completed so far.**

ENVIRONMENTAL

Air Quality

No air quality updates.

Storm Water

The State Water Resources Control Board Industrial General Permit requires industrial facilities to collect, at a minimum, four stormwater samples per reporting year and compare them to statewide regulatory limits. **On December 27, 2022, January 4, 2023, and January 9, 2023, additional stormwater samples were collected for the current reporting year of July 1, 2022, to June 30, 2023. Although,** the results from the **previous** samples continue to indicate ongoing compliance issues with the **Industrial General Permit** metals effluent limitations, specifically iron, zinc, and copper, **the results are below the Time Schedule Order interim effluent limitations**. Samples were also collected from the offsite influent that commingles with BWP's stormwater discharge. The offsite samples also exceeded the limits for metals. **The results from January 4, 2023, and January 9, 2023 samples are still pending.**

In order to address the stormwater compliance issues, BWP is in the process of implementing a campus stormwater improvement project. BWP initially completed the proposed project's California Environmental Quality Act (CEQA) Initial Study/Mitigated Negative Declaration in 2019. However, recent amendments to the CEQA guidelines now require an update to the CEQA Initial Study/Mitigated Negative Declaration. The updated Initial Study/Mitigated Negative Declaration CEQA public review period ended on July 22, 2022, and responses to comments on the document are being prepared. The environmental review was expected to be finalized when the project was approved by the Burbank City Council. However, the engineering design and permitting phase have taken longer than originally expected due to the complexity of the project as well as other factors, including the onset of a pandemic. MNS Engineers was contracted to prepare the final design plans, as well as provide engineering support and permitting support for the project. The project's final design is complete, permitting is ongoing, bid specifications will be prepared, and a request for proposals (RFP) will be issued for the construction activities. As an interim measure, BWP has also applied for time schedule orders (TSOs) that include interim limits, which are achievable for this site. The final TSOs were approved by the Los Angeles Regional Water Quality Control Board (LAWQCB) on June 7, 2021. These TSOs and interim limits will apply until the improvement project is complete. Milestone achievements are required, and project completion must be achieved by November 17, 2023. BWP submitted a TSO amendment request to the LAWQCB. The amendment consists of consolidating the BWP and MPP facilities into one TSO, requesting coverage for copper, and updating the project schedule. The TSO amendment public review process ended on July 21, 2022, and no comments were received. The amended TSO was finalized on July 31, 2022, and was received in August.

BWP has been utilizing engineers' estimates which are revised annually to establish the appropriate budgets for the campus stormwater improvement project. Based on the most recent project cost estimate an additional $3.2 million is being proposed to the BWP budgets for FY 23/24 and FY 24/25. The project scope has not changed, and the increase is entirely attributable to significant market increases. The total BWP budget for the project is proposed to increase from $3.2 million to $6.4 million. BWP also verified the accuracy of the latest engineers' estimates by reviewing recent bids other entities who are currently approaching construction of similar projects received.

PROJECT UPDATES:

Power Resources

Renewable Portfolio Standard (RPS) Compliance

BWP continues to be on track to meet RPS compliance requirements for the calendar year 2022. The calendar year 2022 goal is 38.5% RPS, **and BWP has met the goal.** BWP staff continues to evaluate renewable resources in order to meet future compliance requirements. Staff updated the RPS Procurement Plan and Enforcement Program in December 2021, which shows BWP's path forward with RPS compliance. Staff recently purchased Portfolio Content Category (PCC) 3 RPS products and PCC 2 RPS products

to meet CY2022 regulatory compliance at least cost. Staff is currently working on additional renewable contracts, in order to maintain RPS compliance for future years. Prices for long-term renewables has increased approximately 50-60% due to supply chain issues as well an increase in demand as load serving entities try to procure renewable resources to meet the state's RPS targets which are increasing by approximately 3% annually. In the last 5 months, negotiations for three of four future projects terminated, but we continue to look for other projects to meet future RPS obligations.

Integrated Resource Plan (IRP) Update

BWP has selected a vendor for the IRP and a stakeholder team **has been selected. BWP has selected stakeholders that are representative of its ratepayers. The stakeholders will serve in an advisory role in the development of the IRP.** The IRP is due to the CEC in 2024. Stakeholder engagement efforts, compliance, and costs will be some of the major factors in the 2024 IRP. The IRP development and stakeholder engagement process is expected to take 6-12 months to complete.

BWP plans to hold six stakeholder meetings from December – June and three community meetings in 2023. The first meeting took place on December 15, 2022. BWP is soliciting feedback on the IRP and the IRP survey is posted here: https://www.burbankwaterandpower.com/2024-irp

Transmission Update

BWP is partnering with LADWP on additional renewable contracts and opportunities. BWP will continue to meet with LADWP monthly to discuss transmission needs. BWP is working with LADWP on the update to the Open Access Transmission Tariff (OATT) process. LADWP has delayed the implementation of new rates by 2-3 months, with an implementation date in early calendar year 2023. The rates are expected to increase significantly, and final numbers will not be known until 2023. **Staff plans to attend all LADWP transmission stakeholder meetings, to represent BWP's concerns.**

Intermountain Power Project (Delta, UT) Renewal Progress

LADWP, BWP, and GWP (the IPP repowering participants) are working together to create a detailed roadmap for green hydrogen production and power generation at IPP. In the medium term, the IPA is targeting 30% green hydrogen combustion by July 2025, when the IPP repower project is scheduled to come online. On a monthly basis, IPP participants continue to meet to discuss the IPP renewal, including concerns about facilities development and potential additional resources at the site.

Staff continues to actively work with Intermountain Power Agency (IPA) on cost increases due to the Hydrogen Betterments Project and coal supply issues. The cost of the IPP renewal project has increased significantly, from $2.5 billion in 2019 to $3.6 billion in August 2022. BWP's share was $86.5 million in 2019 and is now $141 million (this does

not include interest). Staff will continue to track costs and report on them, as new data becomes available.

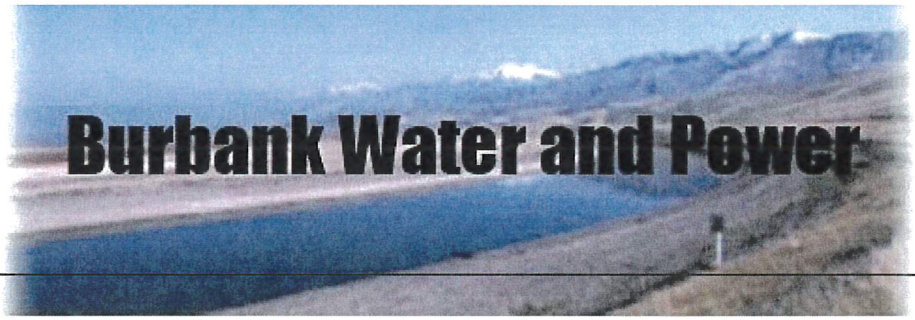
In regard to the coal supply concerns, IPP participants agreed to limit the output of the IPP units, to maintain a minimum megawatt supply sufficient to preserve the integrity of the Southern Transmission System direct current lines and meet the participants' minimal needs during the less critical times of the year. **For the foreseeable future, we will continue to see limitations with the IPP coal supply. Per discussions with IPA, IPP will only run on one unit from now through June 2023 (unless there is a critical market event), allowing the coal pile to grow. In December, due to high natural gas prices and spot market prices, unit 2 for IPP was made available for IPP participants. BWP was able to utilize both IPP units for December. This allowed BWP to save $2.04 million dollars in December. BWP was able to utilize both units due to conserving its share of coal for critical weather and pricing events. In January, both units ran until January 12, 2023. Current estimates show nearly $322,240 in savings for January 2023. Based on current coal supply projections, IPA plans to run two units from July 2023 – September 2023, during the critical summer peak months.**

Power Production

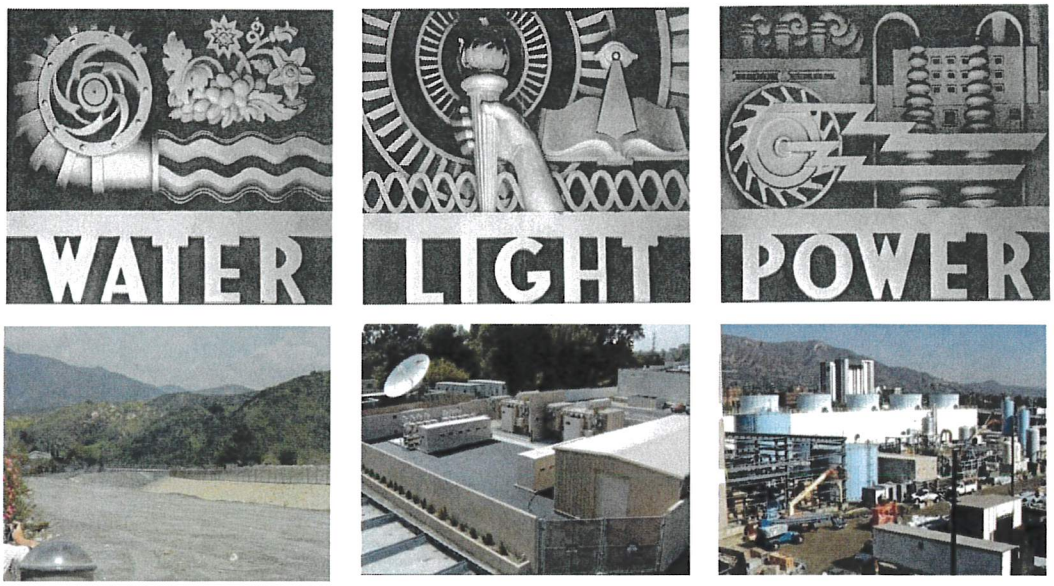
Lake One Power Plant Emissions Retrofit Project

Engineering work is ongoing, and the final design is scheduled to be completed during the month of January. The catalyst will be tested at the end of January to ensure it meets the performance specifications. Major procurement items have been ordered and are on schedule to be delivered before the construction outage. Substantial completion of the project is expected on or before June 1, 2023.

The new emissions control system will allow Lake One to remain in compliance with upcoming air quality requirements. The project consists of designing, engineering, permitting, constructing/installing, commissioning, and testing the new emissions system. This project is planned to conclude in the first half of 2023.



Burbank Water and Power



Financial Report
November-22

Burbank Water and Power
Electric Fund (496)
Statement of Changes in Net Assets [1] [2]
MTD and FYTD November 2022
($ In 000's except MWh Sales)

MTD Actual FY 22-23	MTD Budget FY 22-23	$ Variance	% Variance		YTD Actual FY 22-23	YTD Budget FY 22-23	$ Variance	% Variance
74,324	83,856	(9,532)	(11%) [a]	NEL MWh	491,018	490,907	111	0% [A]
				Retail				
$ 12,730	$ 13,361	$ (631)	(5%)	Retail Sales	$ 81,561	$ 80,376	$ 1,185	1%
415	573	(158)	(28%) [b]	Other Revenues [3]	2,058	2,864	(806)	(28%) [B]
7,303	9,701	2,398	25% [c]	Retail Power Supply & Transmission	54,678	55,166	488	1% [C]
5,842	4,233	1,609	38%	**Retail Margin**	28,940	28,074	867	3%
				Wholesale				
1,352	2,302	(950)	(41%)	Wholesale Sales	14,547	23,156	(8,609)	(37%)
1,198	2,256	1,058	47%	Wholesale Power Supply	12,487	22,693	10,206	45%
155	46	108	236%	**Wholesale Margin**	2,060	463	1,597	345%
5,996	4,279	1,717	40%	**Gross Margin**	31,001	28,537	2,464	9%
				Operating Expenses				
1,195	1,071	(124)	(12%) [d]	Distribution	4,399	5,450	1,051	19% [D]
145	156	11	7%	Administration/Safety	559	697	138	20% [E]
257	367	109	30% [e]	Finance, Fleet, & Warehouse	1,389	1,766	378	21% [F]
538	538	-	0%	Transfer to General Fund for Cost Allocation	2,692	2,692	0	0%
244	473	229	48% [f]	Customer Service	1,655	2,514	859	34% [G]
274	219	(54)	(25%) [g]	Marketing & Sustainability	530	1,095	566	52% [H]
64	398	334	84% [h]	Public Benefits	402	1,988	1,586	80% [I]
402	123	(278)	(226%) [i]	Security/Oper Technology	1,365	706	(660)	(93%) [J]
148	130	(18)	(14%) [j]	Telecom	602	677	75	11%
123	225	102	45% [k]	Construction & Maintenance	827	1,129	302	27% [K]
1,637	1,831	194	11%	Depreciation	8,158	9,157	999	11%
5,027	5,532	504	9%	Total Operating Expenses	22,578	27,871	5,293	19%
$ 969	$ (1,253)	$ 2,222	177%	**Operating Income/(Loss)**	$ 8,423	$ 666	$ 7,757	1165%

Burbank Water and Power
Electric Fund (496)
Statement of Changes in Net Assets [1] [2]
MTD and FYTD November 2022

($ in 000's)

MTD Actual FY 22-23	MTD Budget FY 22-23	$ Variance	% Variance		YTD Actual FY 22-23	YTD Budget FY 22-23	$ Variance	% Variance
$ 969	$ (1,253)	$ 2,222	177%	**Operating Income/(Loss)**	$ 8,423	$ 666	$ 7,757	1165%
				Other Income/(Expenses)				
130	87	43	50%	Interest Income	556	434	122	28%
120	138	(18)	(13%)	Other Income/(Expense) [4]	(1,978)	(1,970)	(8)	(0%)
(279)	(406)	126	31%	Bond Interest/ (Expense)	(1,397)	(1,636)	239	15%
(29)	(181)	152	84%	Total Other Income/(Expense)	(2,819)	(3,172)	353	11%
940	(1,434)	2,373	166%	**Net Income**	5,604	(2,506)	8,110	324%
23	601	(579)	(96%) [I]	Capital Contributions (AIC)	90	3,005	(2,916)	(97%) [L]
$ 962	$ (833)	$ 1,795	216%	**Net Change in Net Assets**	$ 5,693	$ 499	$ 5,195	1041%

1. This report may not foot due to rounding.
2. ( ) = Unfavorable.
3. Other Revenues include transmission, telecom and internet revenues as well as other items such as damaged property recovery, connection fees, late fees, and tampering fees.
4. Other Income/(Expense) includes a one-time payment to CalPERS (for pension), revenues and expenses related to Low Carbon Fuel Standard credits, and miscellaneous revenue from the sale of scrap materials, inventory, and assets, as well as BABS subsidy.

Burbank Water and Power
Electric Fund (496)
Statement of Changes in Net Assets - Footnotes
MTD November 2022
($ in 000's)

Foot-note #	Accounts/Description	Actual	Budget	Variance to Budget	Explanation
(a)	Electric Usage in MWh	74,324	83,856	(9,532) -	NEL is 11% lower than budget due primarily to cooler weather and conservation. The average high temperature in November was 72°F, compared to the 15-year average high temperature of 76°F. The average low temperature was 42°F, compared to the 15-year average low temperature of 47°F. MTD CDD were 0 versus the 15-year average of 35.
(b)	Other Revenues	415	573	(158) -	Other revenues include transmission, telecom and internet revenues as well as other items such as damaged property recovery, connection fees, late fees, and tampering fees which tend to fluctuate. The unfavorable variance is also attributable to the moratorium on fees in light of the COVID-19 pandemic.
(c)	Retail Power Supply & Transmission	7,303	9,701	2,398 -	The favorable variance is attributable to various components within Retail Power Supply & Transmission. Please refer to page 5 for additional details.
(d)	Distribution	1,195	1,071	(124)	The unfavorable variance is primarily attributable to lower than planned capital work, offset by vacancies, the timing of other professional services and private contractual services.
(e)	Finance, Fleet, & Warehouse	257	367	109 -	The favorable variance is primarily attributable to vacancies and the timing of other professional services and software & hardware support.
(f)	Customer Service	244	473	229	The favorable variance is primarily attributable to vacancies and the timing of other professional services and software & hardware support.
(g)	Marketing & Sustainability	274	219	(54)	The unfavorable variance is primarily attributable to the timing of private contractual services, offset by vacancies and the timing of other professional services and office supplies.
(h)	Public Benefits	64	398	334 -	The favorable variance is attributable to vacancies and lower than planned programs spending.
(i)	Security/Oper Technology	402	123	(278) -	The unfavorable variance is primarily attributable to the timing of software & hardware support and lower than planned capital work.
(j)	Telecom	148	130	(18) -	The unfavorable variance is primarily attributable to the timing of special departmental supplies.
(k)	Construction & Maintenance	123	225	102 -	The favorable variance is attributable to vacancies and the timing of custodial services and building grounds maintenance and repair.
(l)	Capital Contributions (AIC)	23	601	(579) -	The unfavorable variance is attributable to the timing of AIC projects.

Burbank Water and Power
Electric Fund (496)
Statement of Changes in Net Assets - Footnotes
FYTD November 2022
($ in 000's)

Foot-note #	Accounts/Description	Actual	Budget	Variance to Budget	Explanation
(A)	Electric Usage in MWh	491,018	490,907	111	- NEL is on budget. The YTD average high temperature was 85°F, compared to the 15-year average high temperature of 86°F. The YTD average low temperature was 58°F, compared to the 15-year average low temperature of 61°F. YTD CDD were 1,281 versus the 15-year average of 1,114.
(B)	Other Revenues	2,058	2,864	(806)	- Other revenues include transmission, telecom and internet revenues as well as other items such as damaged property recovery, connection fees, late fees, and tampering fees which tend to fluctuate. The unfavorable variance is also attributable to the moratorium on fees in light of the COVID-19 pandemic.
(C)	Retail Power Supply & Transmission	54,678	55,166	488	- The favorable variance is attributable to various components within Retail Power Supply & Transmission. Please refer to page 6 for additional details.
(D)	Distribution	4,399	5,450	1,051	- The favorable variance is primarily attributable to vacancies, the timing of private contractual services and other professional services.
(E)	Administration / Safety	559	697	138	- The favorable variance is primarily attributable to the timing of private contractual services, other professional services and training.
(F)	Finance, Fleet, & Warehouse	1,389	1,766	378	- The favorable variance is primarily attributable to vacancies, work for others and the timing of other professional services, private contractual services and software & hardware support and maintenance.
(G)	Customer Service	1,655	2,514	859	- The favorable variance is primarily attributable to vacancies, work for others and the timing of other professional services, offset by software & hardware support and maintenance.
(H)	Marketing & Sustainability	530	1,095	566	- The favorable variance is primarily attributable to vacancies and the timing of private contractual services, other professional services and office supplies.
(I)	Public Benefits	402	1,988	1,586	- The favorable variance is attributable to vacancies and lower than planned programs spending.
(J)	Security/Oper Technology	1,365	706	(660)	- The unfavorable variance is primarily attributable to lower than planned capital work, work for others and the timing of software and hardware spending, offset by the timing of spending in other professional services.
(K)	Construction & Maintenance	827	1,129	302	- The favorable variance is primarily attributable to the timing of private contractual services, custodial services, special departmental supplies and building ground maintenance & repair.
(L)	Capital Contributions (AIC)	90	3,005	(2,916)	- The unfavorable variance is attributable to the timing of AIC projects.

November 2022 Budget to Actual P&L Variance Highlights - Electric Fund
($ in 000's)

	Variance Month-to-Date		
	Favorable Items	Unfavorable Items	Budget to Actual Variance
MTD NET INCOME/(LOSS): $940	$ 2,373	$ -	$ 2,373
MTD GROSS MARGIN VARIANCE			
Retail Sales	-	(631)	(631)
Power Supply and Transmission:			
- Lower retail load	248	-	248
- Higher than planned renewables cost and other	-	(97)	(97)
- Higher transmission	-	(30)	(30)
- Higher energy prices	-	(1,185)	(1,185)
- New minimum for IPP and Hydrogen Betterment	-	(165)	(165)
- Lower O&M	663	-	663
- Retail load management and economic dispatch	294		294
- SCPPA & IPP True-up and prior period adjustments	2,670	-	2,670
Other Revenues	-	(158)	(158)
Wholesale Margin	108	-	108
Total	3,983	(2,266)	1,717
MTD O&M AND OTHER VARIANCES			
Distribution	-	(124)	(124)
Administration/Safety	11	-	11
Finance, Fleet, & Warehouse	109	-	109
Customer Service	229	-	229
Marketing & Sustainability	-	(54)	(54)
Public Benefits	334	-	334
Security/Oper Technology	-	(278)	(278)
Telecom	-	(18)	(18)
Construction & Maintenance	102	-	102
Depreciation expense	194	-	194
All other	152	-	152
Total	1,131	(475)	656

November 2022 Budget to Actual P&L Variance Highlights - Electric Fund
($ in 000's)

	Variance Fiscal Year-to-Date		
	Favorable Items	Unfavorable Items	Budget to Actual Variance
FYTD NET INCOME/(LOSS): $5,604	$ 8,110	-	$ 8,110
FYTD GROSS MARGIN VARIANCE			
Retail Sales	1,185	-	1,185
Power Supply and Transmission			
- Higher retail load	-	(895)	(895)
- Lower than planned renewables cost and other	333	-	333
- Higher transmission	-	(53)	(53)
- Higher energy prices	-	(6,622)	(6,622)
- New minimum for IPP and Hydrogen Betterment	-	(985)	(985)
- Lower O&M	2,875	-	2,875
- Retail load management and economic dispatch	811	-	811
- SCPPA True-up and prior period adjustments	5,024	-	5,024
Other Revenues	-	(806)	(806)
Wholesale Margin	1,597	-	1,597
Total	$ 11,825	$ (9,361)	$ 2,463
FYTD O&M AND OTHER VARIANCES			
Distribution	1,051	-	1,051
Administration/Safety	138	-	138
Finance, Fleet, & Warehouse	378	-	378
Customer Service	859	-	859
Marketing & Sustainability	566	-	566
Public Benefits	1,586	-	1,586
Security/Oper Technology	-	(660)	(660)
Telecom	75	-	75
Construction & Maintenance	302	-	302
Depreciation expense	999	-	999
All other	353	-	353
Total	$ 6,306	$ (660)	$ 5,647

Electric Fund (496)

Statement of Changes in Cash and Investment Balances [a]

($ in 000's)

	Nov-22	Oct-22	Sep-22	Aug-22	Jul-22	Jun-22	Jun-21	Recommended Reserves	Minimum Reserves
Cash and Investments									
General Operating Reserve	$ 62,803	$ 58,528	$ 57,746	$ 59,132 [c],[d]	$ 55,407	$ 69,212	$ 73,156	$ 52,010	$ 37,570
Capital & Debt Reduction Fund	10,000	10,000	10,000	10,000	10,000	10,000	10,000	21,000	5,200
BWP Projects Reserve Deposits at SCPPA	4,486	4,478	4,459	4,456	4,452	3,794	3,740		
Sub-Total Cash and Investments	77,289	73,007	72,205	73,588	69,859	83,007	86,896	73,010	42,770
Customer Deposits	(10,892)	(9,633)	(9,906)	(10,003)	(9,867)	(9,939)	(4,245)		
Public Benefits Obligation	(10,910)	(10,639)	(10,258)	(9,965)	(9,211)	(9,315)	(8,128)		
Low Carbon Fuel Standard [b]	(3,199)	(3,429)	(3,451)	(3,454)	(3,460)	(3,464)	(2,999)		
IPP Decommission	-	-	- [e]	(2,000)	(2,000)	(2,000)	(2,000)		
Cash and Investments (less Commitments)	**52,287**	**49,305**	**48,590**	**48,165**	**45,320**	**58,288**	**69,523**	**73,010**	**42,770**

[a] The Statement of Cash Balances may not add up due to rounding.

[b] Denotes funds reserved related to the sale of Low Carbon Fuel Standard (LCFS) credits, net of Electric Vehicle charger infrastructure expenditures.

[c] Includes a one-time paydown of the unfunded pension liability to CalPERS in the amount of $2.75M.

[d] Includes an annual payment to CalPERS of $6.59M to paydown the Electric unfunded liability.

[e] Reversal of IPP decommission reserve.

Burbank Water and Power
Water Fund (497)
Statement of Changes in Net Assets [1] [2]
MTD and FYTD November 2022
($ In 000's except Gallons)

MTD Actual FY 22-23	MTD Budget FY 22-23	$ Variance	% Variance		YTD Actual FY 22-23	YTD Budget FY 22-23	$ Variance	% Variance
354	367	(13)	(4%) [a]	Water put into the system in Millions of Gallons	2,115	2,254	(139)	(6%) [A]
65	83	(18)	(21%) [b]	Metered Recycled Water in Millions of Gallons	480	491	(11)	(2%) [B]
				Operating Revenues				
$ 2,304	$ 2,383	$ (79)	(3%)	Potable Water	$ 13,512	$ 14,600	$ (1,088)	(7%)
510	391	119	30% [c]	Recycled Water	2,593	2,304	288	13% [C]
145	113	32	29% [d]	Other Revenue [3]	831	563	268	48% [D]
2,959	2,887	73	3%	Total Operating Revenues	16,935	17,467	(532)	(3%)
843	1,014	171	17%	Water Supply Expense	5,092	6,104	1,012	17%
2,116	1,872	244	13%	**Gross Margin**	11,843	11,363	480	4%
				Operating Expenses				
724	841	117	14% [e]	Operations & Maintenance - Potable	3,397	4,203	806	19% [E]
119	146	27	19% [f]	Operations & Maintenance - Recycled	742	727	(16)	(2%)
132	340	207	61% [g]	Operations & Maintenance - Shared Services	1,173	1,693	520	31% [F]
148	148	-	0%	Transfer to General Fund for Cost Allocation	739	739	-	0%
367	370	4	1%	Depreciation	1,826	1,852	26	1%
1,490	1,845	355	19%	Total Operating Expenses	7,876	9,213	1,336	15%
625	27	598	2202%	**Operating Income/(Loss)**	3,967	2,150	1,816	84%
				Other Income/(Expenses)				
86	13	73	540% [h]	Interest Income	294	67	227	338% [G]
64	45	19	43% [i]	Other Income/(Expense) [4]	(233)	(305)	72	24% [H]
(216)	(216)	0	0%	Bond Interest/(Expense)	(1,078)	(1,078)	0	0%
(65)	(157)	92	59%	Total Other Income/(Expenses)	(1,017)	(1,316)	299	23%
560	(130)	690	531%	**Net Income/(Loss)**	2,950	834	2,116	254%
0	57	(57)	(100%) [j]	Capital Contributions (AIC)	23	285	(262)	(92%) [I]
$ 560	$ (73)	$ 633	867%	**Net Change in Net Assets**	$ 2,973	$ 1,119	$ 1,854	166%

1. This report may not foot due to rounding.
2. ( ) = Unfavorable
3. Other Revenue includes items such as fire protection services, damaged property recovery, connection fees, late fees, and tampering fees.
4. Other Income/(Expense) includes a one-time payment to CalPERS (for pension) and miscellaneous revenue from the sale of scrap materials, inventory, and assets.

Burbank Water and Power
Water Fund (497)
Statement of Changes in Net Assets - Footnotes
MTD November 2022
($ in 000's except Gallons)

Foot-note #	Accounts/Description	Actual	Budget	Variance to Budget	Explanation
(a)	Water put into the system in Millions of Gallons	354	367	(13)	- Water use during November 2022 was 4% lower due to Burbank being in Stage III of the Sustainable Water Use Ordinance. Stage III limits outdoor watering to one day a week on Saturday from November to March.
(b)	Recycled Water Usage in Millions of Gallons	65	83	(18)	- Recycled water usage decreased due to lower demand as a result of higher than average rainfall.
(c)	Recycled Water Revenue	510	391	119	- The favorable variance is due to the recognition of previously unrecorded GAC (granular activated carbon) water revenue.
(d)	Other Revenue	145	113	32	- Other revenues include items such as fire protection services, damaged property recovery, connection fees, late fees, and tampering fees, which tend to fluctuate.
(e)	Operations & Maintenance - Potable	724	841	117	- The favorable variance is primarily attributable to vacancies and the timing of other professional services.
(f)	Operations & Maintenance - Recycled	119	146	27	- The favorable variance is primarily attributable to the timing of other professional services.
(g)	Operations & Maintenance - Shared Services	132	340	207	- The favorable variance is attributable to lower than planned shared expenses (Customer Service, Finance and Administration) from the Electric Fund.
(h)	Interest Income	86	13	73	- The favorable variance is attributable to 2021 Water Bond Project Fund Interest, based on higher than planned balances related to the timing of bond drawdowns.
(i)	Other Income/(Expense)	64	45	19	- Other Income/(Expense) includes miscellaneous revenue from the sale of scrap materials, inventory, and assets, which tend to fluctuate.
(j)	Capital Contributions (AIC)	-	57	(57)	- The unfavorable variance is attributable to the timing of AIC projects.

Burbank Water and Power
Water Fund (497)
Statement of Changes in Net Assets - Footnotes
FYTD November 2022
($ in 000's except Gallons)

Foot-note #	Accounts/Description	Actual	Budget	Variance to Budget	Explanation
(A)	Water put into the system in Millions of Gallons	2,115	2,254	(139)	- The unfavorable variance is attributable to the two-week moratorium on all outdoor watering in September 2022 related to a shutdown for repair of MWD's Colorado River pipeline. Additionally, Burbank is currently in Stage III of the Sustainable Water Use Ordinance. Stage III limits outdoor watering to one day a week on Saturday from November to March.
(B)	Recycled Water Usage in Millions of Gallons	480	491	(11)	- Recycled water demand was lower than budget. FYTD Burbank received 1.69 inches of rainfall compared to the FYTD normal of 1.42 inches for an increase in rainfall of 0.27 inches.
(C)	Recycled Water Revenue	2,593	2,304	288	- Recycled water usage decreased due to lower demand as a result of higher than average rainfall however, there is a favorable variance in revenue due to the recognition of previously unrecorded GAC Water Revenue.
(D)	Other Revenue	831	563	268	- Other revenues include items such as damaged property recovery, connection fees, late fees, and tampering fees, which tend to fluctuate.
(E)	Operations & Maintenance - Potable	3,397	4,203	806	- The favorable variance is primarily attributable to vacancies and the timing of other professional services.
(F)	Operations & Maintenance - Shared	1,173	1,693	520	- The favorable variance is attributable to lower than planned shared expenses (Customer Service, Finance and Administration) from the Electric Fund.
(G)	Interest Income	294	67	227	- The favorable variance is attributable to 2021 Water Bond Project Fund Interest, based on higher than planned balances related to the timing of bond drawdowns.
(H)	Other Income/(Expense)	(233)	(305)	72	Other Income/(Expense) include miscellaneous revenue from the sale of scrap materials, inventory, and assets, which tend to fluctuate. The favorable variance is primarily attributable to higher than planned BABs subsidy payments.
(I)	Capital Contributions (AIC)	23	285	(262)	- The unfavorable variance is attributable to the timing of AIC projects.

November 2022 Budget to Actual P&L Variance Highlights - Water Fund
($ in 000's)

	Variance Month-to-Date		
	Favorable Items	Unfavorable Items	Budget to Actual Variance
MTD NET INCOME (LOSS): $560	$ 690	$ -	$ 690
MTD GROSS MARGIN VARIANCE			
Potable Revenues	-	(79)	(79)
Recycled Revenues	119	-	119
Other Revenue	32	-	32
Water Supply Expense	171	-	171
Total	322	$ (79)	$ 244
FYTD O&M AND OTHER VARIANCES			
Potable O&M	117	-	117
Recycled Water O&M	27	-	27
Allocated O&M	207	-	207
Depreciation Expense	4	-	4
All Other	92	-	92
Total	$ 447	$ -	$ 447

November 2022 Budget to Actual P&L Variance Highlights - Water Fund
($ in 000's)

	Variance Fiscal Year-to-Date		
	Favorable Items	Unfavorable Items	Budget to Actual Variance
FYTD NET INCOME: $2,950	$ 2,116	$ -	$ 2,116
FYTD GROSS MARGIN VARIANCE			
Potable Revenues	-	(1,088)	(1,088)
Recycled Revenues	288	-	288
Other Revenue	268	-	268
Water Supply Expense	1,012	-	1,012
Total	$ 1,568	$ (1,088)	$ 480
FYTD O&M AND OTHER VARIANCES			
Potable O&M	806	-	806
Recycled Water O&M	-	(16)	(16)
Allocated O&M	520	-	520
Depreciation Expense	26	-	26
All Other	299	-	299
Total	$ 1,651	$ (16)	$ 1,636

Water Fund (497)
Statement of Changes in Cash and Investment Balances [a]
($ in 000's)

	Nov-22	Oct-22	Sep-22	Aug-22	Jul-22	Jun-22	Jun-21	Recommended Reserves	Minimum Reserves
Cash and Investments									
General Operating Reserves	$ 17,099	$ 15,453	$ 13,889	$ 13,449 [b], [c]	$ 11,568	$ 12,759	$ 12,181	$ 12,630	$ 8,070
Capital Reserve Fund	2,220	2,220	2,220	2,220	2,220	2,220	2,220	5,200	1,300
Sub-Total Cash and Investments	19,319	17,673	16,109	15,669	13,788	14,979	14,401	17,830	9,370
Customer Deposits	(389)	(394)	(397)	(397)	(477)	(1,052)	(1,125)		
Cash and Investments (less commitments)	**$ 18,930**	**$ 17,279**	**$ 15,712**	**$ 15,271**	**$ 13,311**	**$ 13,927**	**$ 13,276**	**$ 17,830**	**$ 9,370**

[a] The Statement of Cash Balances may not add up due to rounding.
[b] Includes a one-time paydown of the unfunded pension liability to CalPERS in the amount of $440k.
[c] Includes an annual payment to CalPERS of $1.12M to paydown the Water unfunded liability.