

breakwater

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LOOKING BACK

as BCWD celebrates
50 years in
water supply service



**KAPIHAN SA BCWD
WITH MEDIA:**
an Information Campaign to
address concerns on El Niño

**BUTUAN CITY WATER
CRISIS: The El Niño
Phenomenon Experience**

TWO MAJOR LEAK REPAIR
Conducted by BCWD



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"Replicating Nature's Way"

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April to June 2024



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THE COVER



Fifty years ago, the Butuan City Water District (BCWD) was established on April 1, 1974 by the Municipal Board of Butuan under the leadership of then Mayor Figurado O. Plaza. Its birth was covered by Resolution No. 256 and in accordance with the provisions of Presidential Decree No. 198, as amended, otherwise known as the "Provincial Water Utilities Act of 1973."



USAID
FROM THE AMERICAN PEOPLE

HOMEOWNER'S GUIDE TO WATER EFFICIENCY

BY BE SECURE PROJECT (USAID Water Security
for Resilient Economic Growth and Stability)

El Nino means less rain and higher temperatures. Here are some tips that homeowners can use to help the water district postpone rationing.

1. Use existing water twice. Keep and re-use bath and laundry water to wash floors. Re-use vegetable washing water to water plants.
2. Stop waste by stopping leaks. That's literally money down the drain.



Start saving the water you have already paid for. Look for leaky faucets, showers and toilets. A dripping tap can waste as much as 1 liter of water in an hour. If you and each one of your neighbors have a tap that drips, you are paying for a lot of water you are not using. That's money down the drain.



A leaky toilet can send even more money down the drain. Check your toilet. Make sure it doesn't leak. Test by putting a few drops of food dye in the tank. If the water in the bowl gets colored, you have a leak. Call the plumber.



Take shorter showers. Even women with long hair should be able to take a 4 minute shower. If necessary, turn the shower off while you soap up and shampoo, and turn it on again to remove the lather. If you can, replace the showerhead with a modern low-flow showerhead. It's not expensive and you might not even notice the difference although you will be using less water.



If you can afford to do so, put a gutter on your roof with a downspout that reaches down into any water container (drum, cistern, etc) to catch rain water coming off your roof. Use this water for washing floors, laundry, cleaning cars, watering plants, washing windows, keeping down dust.



Re-use vegetable washing water for watering plants. Wash dishes in a large plastic container using a sponge, then rinse in another container of clean water. Don't keep the faucet open with running water. Wasting water will cost you money.

BCWD BILLING INQUIRY SERVICES

by Ann Patrimonio

One of the services offered by the Butuan City Water District (BCWD) is its online billing inquiry services among others. BCWD's consuming public can avail several services in order for concessionaires to be updated on their monthly billing for water consumption. This is part of BCWD's activities to improve Customer Satisfaction, especially for those that do not receive their monthly bills on time or have lost the copy of their monthly water bill.

The Online Billing Inquiry which is available for concessionaires to access through its official website so that concessionaires will be updated on their monthly billing for water consumption. To avail of this service, concessionaires can access the online billing services of BCWD at its official website www.bcwd.gov.ph/obi/. For first time users, concessionaires have to register first before they can log-in and access the online billing. Please be reminded to keep a



current water bill and not only depend on receiving the hard copy of their monthly water bills before paying. This will lessen the chances of paying the penalty for pass due water bills or avoid the water service from being disconnected due to unpaid water bills. ▲



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butuan water

ENVIRONMENTAL PRESERVATION



Pick Up the Trash:
A BCWD Clean-up Drive
at the Taguibo Watershed
as part of the

WORLD EARTH DAY CELEBRATION 2024

by Ann Patrimonio

Bill Nye once said: “To leave the world better than you found it, sometimes you have to pick up other people’s trash.”

EARTH DAY 2024
PLANET
VS
PLASTIC

April 22, 2024 celebrates World Earth Day 2024 with the theme: **Planet vs Plastics**. As part of the World Earth Day 2024 **celebration**, the Butuan City Water District (BCWD) conducted “**Pick Up the Trash**” Clean-up Drive at the Taguibo River Watershed Forest Reserve (TRWFR) last Wednesday, April 24, 2024.

“
To leave the world
better than you
found it, sometimes
you have to pick up
other people’s trash.”



Atwelve (12) man BCWD Team went to the Taguibo River Watershed Forest Reserve (TRWFR), where BCWD’s major water source is located, and conducted the clean-up activity at the tributary creeks of the Taguibo River.

This event is a testament of BCWD’s commitment to preserve the environment especially the watershed area. It has always been BCWD’s commitment as environmental stewards to not only

speak the words but also do the work to conserve and preserve nature.

By guaranteeing that the Taguibo River Watershed Forest Reserve area is clean and healthy, means BCWD is not only protecting the forest but also it is a way of ensuring sustainable fresh water supply for generations to come.💧



KAPIHAN

sa BCWD with Media an Information Campaign to address concerns on El Niño

by Ann Patrimonio

The Butuan City Water District (BCWD) conducted its Kapihan sa BCWD with Media on May 23, 2024 at the Office of the General Manager, BCWD Administration Building, Butuan City. A total of nine (9) media personalities attended the said event.





Starting Mid-April 2024, the Taguibo River Watershed Forest Reserve experienced intermittent weather condition having little to rain due to the El Niño Phenomenon causing the lowering down of water level of the Taguibo River. The Butuan City Water District (BCWD) was informed by its bulk water supplier – the Taguibo Aquatech Solutions Corporation (TASC), that its water supply source has been greatly affected by the El Niño Phenomenon currently being experienced by the entire Philippines. As such, its water supply volume delivery was also affected as TASC conducted mitigating measures on the effects of El Niño to its facilities thus lowering down its water volume delivery to BCWD.

During the Kapihan sa BCWD with the Media, Engr. John Michael Y. Benito, General Manager of BCWD, presented BCWD's Oplan Makaangayon sa Tubig Program which is BCWD's action to the effects of the El Niño Phenomenon to the water supply of Butuan City. All of BCWD's Department Managers were also present to answer any queries from the media.

The Kapihan sa BCWD with Media was conducted to explain to the status of BCWD's Operations and the actions taken by BCWD to augment the water supply service to its concessionaires. It also served as an avenue to answer questions and clarifications from the media.



BARANGAY PIANING OFFICIALS URGED TO DISSEMINATE INFORMATION

on BCWD's Free Water and other
concerns during BCWD's Barangay
Information Campaign

by Ann Patrimonio



The Butuan City Water District (BCWD) conducted its Barangayan Information Campaign at Barangay Pianing on April 18, 2024, 2:00PM at the Barangay Pianing Barangay Hall, Butuan City with Barangay Pianing Officials as participants.



The Barangay Information Campaign discussed the status of the “Free Water” service connections and regular water service connections in Barangay Pianing including concerns on BCWD’s water services to those availing of BCWD water service connection and not part of the beneficiaries of the “Free Water”.

A team from BCWD visited the area to discuss BCWD’s operations and explain the status of its services to the Barangay. Aside from BCWD, representatives from its bulk water partner, the Taguibo Aquatech Solutions Corporation (TASC) were also present to participate in the said activity as resource speakers.


For this visit, the following attended as speakers: Butuan City Water District (BCWD) represented by Engr Al Patrick M. Dela Calzada who discussed about Production of Water and Free Water Services and Ms. Marievel T. Reambonanza who discussed on New Water Service Connection applications, and TASC represented by its President, Mr. Eddie Richard Lagnada who presented the New Water Source for Free Water for Barangay Pianing.

A Question and Answer portion followed after the presentation for concerns on



the part of Barangay Pianing.

A total of twenty two (22) participated in the said activity including the representatives of BCWD and TASC.

The Barangay Information Campaign is BCWD’s way of reaching out to its concessionaires for any concerns regarding BCWD’s services. 





butuan water

COVER STORY

LOOKING BACK

as BCWD celebrates 50 years in water supply service

by Ann Patrimonio



Mayor Figurado O. Plaza

Fifty years ago, the Butuan City Water District (BCWD) was established on April 1, 1974 by the Municipal Board of Butuan under the leadership of then Mayor Figurado O. Plaza. Its birth was covered by Resolution No. 256 and in accordance with the provisions of Presidential Decree No. 198, as amended, otherwise known as the “Provincial Water Utilities Act of 1973.”



Initially, the facilities were assumed from the Butuan City Water Works, which were also inherited from the defunct NAWASA, a government operated national water system. At the start of its operations, BCWD have only about 700 service connections covering 27 Barangays.



From 1974 several developments had taken place, the first of the significant improvement was the construction of the Phase I Comprehensive Water Supply System Project, which started in 1980 and completed in 1982. The project changed the history of BCWD as it provided additional water supply for its concessionaires and enabled BCWD to expand its service area to proximate barangays.



In 1985, three years after the Phase I Comprehensive Water Supply System Project was operational, the District ran through a series of problems particularly on the waning water supply situation in the City as its water sources were only groundwater through its Pump Stations. A series of improvement projects took place gradually stretching its services to other proximate barangays and improve its water supply.





butuan water

COVER STORY



Butuan City... from page 13

In 1998, another major development project was in progress dubbed as the Phase II Comprehensive Water Supply System Improvement Project under which is a component for a new water supply source which is the Taguibo River, 20 km. upstream. Other essential components of the Phase II Project were the installation of bigger diameter transmission pipelines to improve the City's water supply and construction of support facilities such as reservoirs within the City to help improve BCWD's water supply service.



Over the years, BCWD implemented internally-funded projects to improve water quality and quantity as well. Among these projects were: Water Meter Maintenance Program, installation of new lines to other proximate barangays, upgrading of old lines, innovation of BCWD laboratory facilities, upgrading of production facilities, installation of two units Automatic Brush Filters and seven units Automatic Microfiber Filters, and Non-Revenue Water Reduction Program.





As Butuan City continues to grow, the demand for water also increases. Thus, another Major Milestone for BCWD is entering into a Public-Private Partnership through a Joint Venture Agreement with Twin Peak Hydro Resources Corporation (*THRC*) in consortium with Equiparco Construction Company. The joint venture company created after the signing of approval of the PPP is the Taguibo Aquatech Solutions Corporation (*TASC*). *TASC* is the current bulk water supplier of BCWD providing the much needed water supply for its concessionaires.



On April 30, 2018, *TASC* officially started its commercial operations delivering water supply to BCWD. With this, BCWD's pump stations now acts as reserve sources of water while *TASC* provides majority of the water supply of Butuan City.



Butuan City Water Crisis:

The El Niño Phenomenon Experience

by Ann Patrimonio

Butuan City experienced hot weather and having little to no rain due to El Niño mid-April of 2024.

On April 18, 2024, the dam intake water level of the Taguibo Aquatech Solutions Corporation (TASC), the bulk water supplier of the Butuan City Water District (BCWD), was only at 3.4 meters. The normal operating level of the dam is at above 4 meters while the normal water supply flow from TASC is at an average of 56.5 MLD. Thus, TASC informed BCWD of lowering down its water supply volume delivery as one of its mitigating

measures due to the effects of El Niño to its facilities.

On the night of April 19, 2024, the flow rate alarmingly dropped to a level of 204.18 m³/hr. The daily water supply flow decreased to an average of 52.84MLD and, 40.19MLD and 40.08MLD on the 20th and 21st, respectively.

Majority of BCWD's concessionaires experienced low water to no water as an effect of the El Niño Phenomenon.

Butuan City Council passed a resolution on May 21, 2024, placing the City under a state of calamity. This was based on PAGASA's assessment and outlook for the month of May when the City experienced "way below normal" or more than 60 percent rainfall reduction in the last three (3) months.

With this, BCWD implemented its Water Crisis Management Program to be able to provide continuing water supply to its concessionaires. BCWD conducted short term actions to immediately address the water supply shortage these include the conduct of:

- Water Rationing through Tankers wherein tankers deliver water to barangays that have zero water supply 24/7 starting April 21, 2024. This addressed the 19% affected barangays of Butuan City with no water. To be able to implement this, BCWD tapped other agencies/offices/organizations for assistance by utilizing their tankers in the water rationing. Partners in the Conduct of Water Rationing were Filipino-Chinese Fire Brigade and Filipino-Chinese Chamber of Commerce

STATE OF CALAMITY DECLARED IN BUTUAN CITY

The local government of Butuan declared Butuan City under state of calamity following the severe water scarcity impacting the localities due to "way below normal" rainfall for three consecutive months based on the drought assessment released by PAGASA

Agusan, Butuan City Central Fire Station and CDRRMD, VCDU Realty Corporation, and Equiparco Construction Company;

- Oplan Makaangayon sa Tubig which is BCWD's Water Rotational Program. This was implemented starting April 23, 2024 to address the 12% Barangays that have no water.

The valves in the east side of Butuan City were closed within a certain period of time to improve the water supply in the west side of Butuan City. East side of Butuan City areas are from Brgy. Anticala to Magsaysay Bridge; Taligaman/Basag; Pigdaulan; Tiniwisan/Cabcabon; Mahay.

Butuan City... next page



Butuan City... from page 17

While the west side of Butuan City areas are from Magsaysay Bridge to Bancasi; Bit-os/San Vicente; Masao/Lumbocan; and Pagatpatan; and

- Oplan Sag-Ob wherein concessionaires can fetch water from BCWD Pump Station No. 1, Alviola Village, Brgy. Baan Km. 3, Butuan City. This was implemented starting May 20, 2024 to address the 41% Barangays affected. The capacity and schedule of BCWD's Pump Station No. 1 for the Oplan Sag-ob during that time were from 8:00AM to 10:00PM for residential consumer with 369.6 cubic meters or 37 ten-cubic-meter capacity Water Tankers and from 10:00PM to 6:00AM were for private consumers and for Bulk Supply with 211.2 cubic meters or 21 ten-cubic-meter capacity Water Tankers.

The City Government of Butuan also supported BCWD in its measures for water supply by establishing a multi-sectoral group called Task Force AWAS.



On June 14, 2024, two (2) months since the effects of El Niño was experienced in Butuan City, the Butuan City Water District (BCWD) resumed its normal operations. This was made possible by the Taguibo Aquatech Solutions Corporation (TASC),

OPLAN SAG-OB IS OPEN EVERYDAY

at PUMP STATION NO.1, Alviola Baan Km 3

- 6:00 AM – 10:00 PM – Residential Consumers
- 10:00 PM – 6:00 AM – Private Consumer, Bulk Supply



BCWD's bulk water supplier, that delivered an average of 56 million liters per day (MLD) since June 14, 2024.

As a result, BCWD suspended the rotational water supply between the East and West parts of Butuan City effective June 17, 2024, as well as the water rationing by tankers effective June 19, 2024.



With this experience of BCWD, the general manager, Engr. John Michael Y. Benito, sought assistance from LWUA to help BCWD to be able to implement its medium term and long term programs so that this El Niño experience will no longer be repeated in the future.





Butuan City... from page 15

Fifty (50) years after its birth, its service area now stretches to 60 urban and rural barangays. These barangays are now sufficiently supplied with potable drinking water, boasting 56,230 active service connections, as of December 31, 2023. BCWD has grown into one of the biggest water districts in the Philippines being categorized as a “Category A” water district based on the Local Water District (LWD) Manual on Categorization, Re-Categorization and Other related matters (MACRO).



To commemorate its storied 50 years of water supply service, BCWD conducted a simple celebration on April 1, 2024 with the concept of 50th Anniversary Pistahan sa BCWD. The day started with a Thanksgiving Mass at the BCWD Training Hall participated by the BCWD Board of Directors, Management and Staff with selected concessionaires. Lunch was served thereafter. In the afternoon, the employees were grouped into teams for the parlor games where prizes were given to the winners.



The overall celebration was a success with all the planned activities carried out according to plan. The theme: “Gearing for another 50 Years of Excellent Water Services” best epitomizes the District’s message for all the people in Butuan that BCWD will continue to try its best to improve its water services to its concessionaires. The celebration may have come to its conclusion but BCWD with its Board of Directors together with the management and staff continues to brace for new challenges to welcome another year of service to the people of Butuan.





butuan water

ENVIRONMENTAL CONCERN

BCWD conducts WATERSHED COMMUNITY SYMPOSIUM

acknowledging the
importance to watershed
as essential to its water
supply

by Ann Patrimonio

“The Philippines’ watersheds are essential for regulating the country’s water supply and quality, supporting ecosystems and mitigating floods and droughts.”



“The Philippines’ watersheds are essential for regulating the country’s water supply and quality, supporting ecosystems and mitigating floods and droughts.”

Giving importance to the concept that watersheds are essential for regulating the water supply in an area, the Butuan City Water District (BCWD) conducted its Watershed Community Symposium on May 9, 2024 at Tagkiling Tribal Integrated School, Barangay Anticala, Butuan City. There were a total of 51 participants in the said activity including speakers and facilitators.

A team from BCWD visited the Taguibo River Watershed Forest Reserve (TRWFR) for the conduct of the said symposium. Aside from BCWD, partner stakeholders were also present in the said activity as resource speakers.

For this watershed symposium, the speakers were: For. Blesyn A. Basilio of BCWD who discussed about the Taguibo River Watershed Forest

Reserve; For. Ludiemar Sagay of DENR-CENRO – Nasipit who shared about Forest Protection; and Mr. Ernesto B. Castro of DENR-EMB Caraga who discussed about Solid Waste Management or RA 9003 Ecological Solid Waste Management Act.

The Watershed Community Symposium is a continuing IEC activity of BCWD to ensure the continuous awareness and education of watershed settlers and its continuum. This is BCWD’s way of watershed protection and preservation by starting with the grassroot level. This is also BCWD’s way to ensure sustainability of its water supply through educating the watershed settlers so that they will take care of the watershed where they live in.





butuan water

WATER SUPPLY



WATER AVAILABILITY EXPLAINED

by Ann Patrimonio

The Butuan City Water District (BCWD) is aware some concessionaires have been experiencing intermittent low water pressure and no water in certain areas of Butuan City while some experience 24 hours water supply. To be able to comprehend the water availability of the service area of BCWD, one must first have an idea of the location of its water source.

It is common knowledge that the source of BCWD's water supply is through its bulk water supplier, which is the Taguibo Aquatech Solutions Corporation (TASC). From the Bulk Water Supplier with its facilities located at Sitio Iyao, Brgy. Anticala, BCWD receives treated water and then distributed to its network of pipelines all over its service area of 60 barangays of Butuan City. The water source is located at the eastern side of Butuan City approximately 20 kilometers from

the City Center. BCWD's network of pipelines traverses the national highway and crosses at Magsaysay Bridge to be able to provide water supply to barangays in the western side of Butuan City.

Considering the distance from the water source, areas nearer to the water source will also have a better water supply and pressure than those located at the end points of the pipeline network of BCWD.

In the case of barangays within the city proper near Magsaysay Bridge, these barangays are the ones that will first receive water supply after crossing Magsaysay Bridge. As such, these areas experience 24 hours water supply.

For barangays at the western side of Butuan City located further from Magsaysay Bridge, the water supply has to traverse longer distance compared to those nearer to the water source. Doing so meant water supplies were routed over longer distances through the pipes with greater flow thereby losing pressure along the way. As a result, some concessionaires experience low water pressure at intervals throughout the day or for those at the end points of the system will have no water at all.

A BCWD Team monitors the pressure loggers installed throughout Butuan City and will continue to monitor the pressure in the network.

BCWD continues to conduct studies on how to improve its services.

BCWD is planning on projects to be implemented that will improve its water supply system. One of the priority projects is the replacement of the transmission pipelines crossing Magsaysay Bridge. Upon completion of this project, the water supply pressure will improve and will eventually reach the end points of the system.

BCWD is doing its best to make the most of its available resources considering that it is a self-supporting Government Owned and Controlled Corporation (GOCC) wherein its funds only relies from the monthly payments of its concessionaires and does not receive any funds from the National or Local Government. As such, its action and implementation of programs is based on the available resources it has.



As of May 21, 2024, the daily water supply flow of the Taguibo Aquatech Solutions Corporation (TASC), the bulk water supplier of the Butuan City Water District (BCWD), is at 30MLD (53% of operating capacity) as Sitio Iyao, Brgy. Anticala, Butuan City, the area where TASC's facility is located continues to experience little to no rain for the past months.

BCWD IMPLEMENTS OPLAN SAG-OB

by Ann Patrimonio



As such, BCWD will implement Oplan Sag-Ob wherein concessionaires can fetch water from Pump Station No. 1 which will serve as an alternative water source for its concessionaires temporarily since its water system is still operating at 53% capacity. The water source is located along the national highway, Alviola Village, Brgy. Baan Km. 3, Butuan City. Concessionaires of BCWD can fetch water with a maximum of one (1) cubic meter per water connection per day. The capacity of BCWD's Pump Station No. 1 is 369.6 cubic meters from 8:00 AM – 10:00 AM and 211.2 cubic meters from 10:00 PM – 6:00 AM. The Operation Sag-Ob will commence today, May 22, 2024 at 1:00PM.

Schedule for Oplan Sag-Ob will be the following:

- 8:00 AM – 10:00 PM – **Residential Consumers**
- 10:00 PM – 6:00 AM – **Private Consumer, Bulk Supply**

To avail of this program, concessionaires must be reminded of the following conditions:

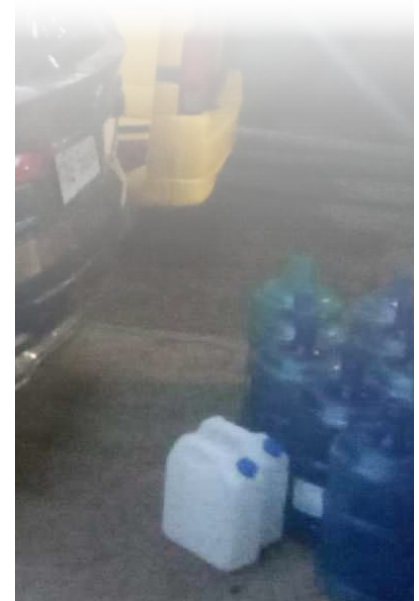
1. Only 1 cu. m. per account or one (1) fetch per day is allowed. This is to avoid congestion at Pump Station No. 1 to give chance to others;
2. To avail of Oplan Sag-Ob, concessionaires must bring any of the following:
 - Updated Statement of Account
 - Updated Water Bill / Receipt

3. For Residential / Commercial Accounts that will avail of Oplan Sag-Ob, the charging will be based on existing rates and will be added to the regular monthly billing;
4. For Bulk Sale, there will be no minimum charge but the rate will be based on the published Commodity Charge for Bulk Sale. The priority for Bulk Sale will be Barangays through the Barangay Captain and subdivisions through the Homeowners Association President. As to the payment for the purchase of Bulk Water Sale, it will be done at the BCWD Office and just present the Official Receipt at Pump Station No. 1;
5. For Inactive Concessionaires, to avail of Oplan Sag-Ob, there is a need to go to the BCWD Commercial Office at Gov. J.A. Rosales Avenue, for reactivation of accounts before availing of the water at Pump Station No. 1. The BCWD will extend its operating hours up to 7:00PM today (May 22, 2024) for those who want to reactivate their accounts.

As precautionary measure, for those areas with water in their taps, BCWD suggests the consuming public to store while water is available.

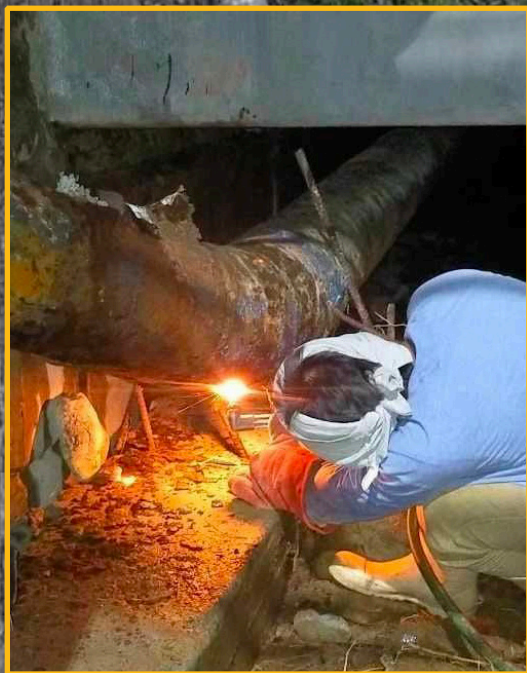
BCWD also reminds its concessionaires to boil the water from the water tankers when used for drinking and cooking.

In the meantime, BCWD is still closely coordinating with TASC for updates on its water supply. Due to the critical situation of the Taguibo River, BCWD encourages its concessionaires to conserve water in the midst of this El Niño.



TWO MAJOR LEAK REPAIRS CONDUCTED BY BCWD

by Ann Patrimonio



The 1st day of June 2024 was a day that the Butuan City Water District (BCWD) conducted two (2) major leak repairs on its main transmission pipelines at the western part of Butuan City, within the City proper. The 250mm diameter transmission steel pipe under Magsaysay Bridge near the Barangay Hall of Brgy. Datu Silongan and the 300mm steel pipe along J.C. Aquino Avenue in front of Fr. Saturnino Urios University (FSUU) Gym, Brgy. Diego Silang, Butuan City burst leaking huge volume of potable water at around 5:00PM.

Several of the service areas of BCWD experienced no water as these areas were affected by the said leak. These areas include westside barangays such as Agao, Bading, Dagohoy, Diego Silang, Golden Ribbon, Humabon, Lapulapu, Leon Kilat, New Society Village, Port Poyohon, Rajah Soliman, Tandang Sora, Urduja, Pangabugan, Doongan, Imadejas, Limaha, Babag, Pagatpatan, Agusan Pequeño, Bayanihan, Holy Redeemer, JP Rizal, Maon, Obrero, Ong Yiu, San Ignacio, Bit-os, Dumalagan, Libertad, Lumbocan, Masao, San Vicente, Bonbon, Villa Kananga, Ambago, and Bancasi while portions of the eastside such as barangays Mahay, Baan Riverside, Mahogany, Banza and Maug were also affected.



The leak repair of the 250mm steel pipe at Datu Silongan as of 12:15 am of June 2, 2024




The repair of leaks in the distribution system is a major component of BCWD's Non-Revenue Water (NRW) Management Program, which seeks to bring down physical and commercial water losses. Thus, BCWD's Technical Team immediately went to the field to assess the damage and conduct leak repair to the two (2) steel pipelines.

Both leak repairs of the damaged 250mm diameter steel pipe at Brgy. Datu Silongan and 300mm steel pipe along J.C. Aquino Avenue were completed on June 2, 2024.

Resumption of BCWD's water supply to the affected areas was at around 2:00 am of June 3, 2024 considering the gradual energization of supply to BCWD pipelines and the withdrawal of water from affected concessionaires.



Repairing these leaks will enable BCWD to recover several cubic meters of water per day, which will help to provide additional water supply to its consumers. 

Ongoing repair of the leaking 300mm steel pipe near FSUU Gym as of 3:43 am of June 2, 2024

BCWD answers the most common asked questions during this time of water crisis



The Butuan City Water District (BCWD) read all the queries and concerns of its concessionaires during this time of water crisis. Below is BCWD's answer to the most commonly asked questions:

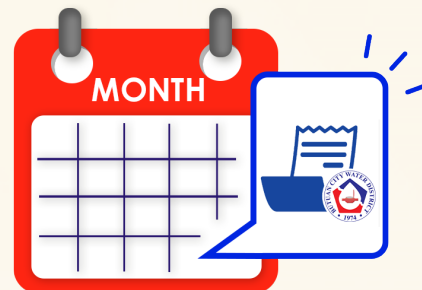
1. On Continuous Payment of Monthly Minimum Fee of ₱208.65

During application for new connection, all applicants were already informed of the minimum service charge monthly and that a continued or active connection will oblige the concessionaire to pay the minimum service of ₱208.65 per month.

BCWD's minimum charge is ₱208.65. This is also known as the service charge or demand charge. As per the Local Water Utilities Administration (LWUA) Manual on Water Rates and Related Practices, the minimum charge is fixed depending on the size and the classification of service connection (customer class) and should cover the first 10 cu.m. of water consumption. The minimum charge is

established to cover fixed costs required to carry on vital water supply functions not directly connected with production and distribution.

Once a water service connection is considered active, BCWD automatically collects a minimum charge to which amount covers the first 10 cu.m. for every billing period covered regardless of whether the concessionaire has

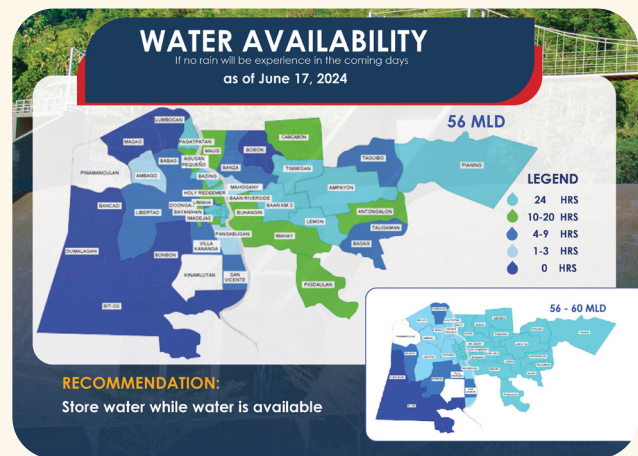


consumed the 10 cu.m. or not based on the definition of Minimum Charge by the LWUA Manual on Water Rates and Related Practices.

All water districts impose monthly minimum water bill. This is stipulated in the contract signed upon application of new service

connection. This means that the minimum, whether consumed or not, should be paid by the concessionaires. The rationale behind this is to ensure that the water districts can pay its financial obligations including loans used in the development, improvement and maintenance of water systems.

2. Reason why some areas have 24/7 water supply compared to other areas of BCWD



It is common knowledge that the source of BCWD's water supply is through its bulk water supplier, which is the Taguibo Aquatech Solutions Corporation (TASC). From the Bulk Water Supplier with its facilities located at Sitio Iyao, Brgy. Anticala, BCWD receives treated water and then distributed to its network of pipelines all over its service area of 60 barangays of Butuan City. The water source is located at the eastern side of Butuan City approximately 20 kilometers from the City Center. BCWD's network of pipelines traverses the national highway and crosses at Magsaysay Bridge to be able to provide water supply to barangays in the western side of Butuan City.

Considering the distance from the water source, areas nearer to the water source will also have a better water supply and pressure than those located at the end points of the pipeline network of BCWD.

In the case of barangays within the city proper near Magsaysay Bridge, these barangays are the once that will first receive water supply after crossing Magsaysay Bridge. As such, these areas experience 24 hours water supply.

For barangays at the western side of Butuan City located further from Magsaysay Bridge, the water supply has to traverse longer distance compared to those nearer to the water source. Doing so meant water supplies were routed over longer distances through the pipes with greater flow thereby losing pressure along the way. As a result, some concessionaires experience low water pressure at intervals throughout the day or for those at the end points of the system will have no water at all.

BCWD... next page





3. What is Non-Revenue Water (NRW) and does BCWD charge this to its concessionaires



- NRW has a precise and simple definition. It is the difference between the volume of water put into a water distribution system and the volume that is BILLED to customers. NRW comprises three components:

- **Physical (or real) losses** – these comprise of leakages from all parts of the system and overflows at the utility's reservoirs. They are caused by poor operations and maintenance, the lack of active leakage control, and poor quality of underground assets;
- **Commercial (or apparent) losses** - are caused by customer meter under registration, data handling errors, and theft of water in various forms;

- **Unbilled authorized consumption**

- includes water used by the utility for operational purposes, water used for firefighting, and water provided for free to certain consumer groups.

In BCWD's case, the total billed water (*water that is billed to BCWD's concessionaires*) will be deducted to the total volume delivered by TASC for the month; the remaining variance is considered NRW.

Example, for one (1) month TASC delivered 1,000,000 cubic meters and the actual billed volume for the month is only 800,000 cubic meters, the variance of 200,000 cubic meters for that month will be considered NRW as the variance volume of water are unaccounted for, thus considered as losses.

BCWD does not include into the water bill of its concessionaires the NRW. Only water consumption registered in the concessionaire's water meter is billed to them.

4. Will BCWD still pay the total volume delivered by TASC despite some of the water supply were not utilized by the concessionaires or falls as NRW

TASC delivers water supply with volume based on its contract and BCWD pays TASC equivalent to its total volume of water delivered to BCWD. Meaning, BCWD pays for the entire water volume delivered by TASC and the variance water

volume after deduction of actual billed volume (*the ones billed to the concessionaires*), if there is any, will be considered as losses.

5. Why not all of BCWD's 17 pump stations is operational or not reactivated as reserve

BCWD, since its creation on April 1, 1974, has already installed seventeen (17) pump stations as its water source. These pump stations were gradually installed over the course of BCWD's 50 years of operations.

After several years of operation, some pump stations were decommissioned and abandoned since these no longer produce the needed volume of water or that the said pump stations produce water wherein which the water quality can no longer pass the standards set forth in the Philippine National Standards for Drinking Water (*PNSDW*).

To date, BCWD only has four (4) pump stations that can be operated. These four (4) include: Pump Station No. 1 at Alviola Village which is operational and is being used as the water source for Water Tanker Rationing; Pump Station No. 14 at Brgy. Baan Km 3 which non-operational and currently in the process of being reactivated upon replacement of its submersible pump which currently damaged; and two (2) other pump stations, Pump Station No. 15 at Brgy. Baan Km. 3 and Pump Station



No. 17 at Brgy. Taguibo both non-operational but can also be reactivated once the submersible pumps are replaced.

The thirteen (13) other pump stations can no longer be reactivated. Each water table of the pump stations has lowered down to the extent that it produces sandy water. It can no longer sustain the needed volume to be able to produce water for a certain number of concessionaires.

6. Is BCWD contract bound to only get its water supply from TASC?

BCWD is not contract bound to only get its water source from TASC. BCWD can have the option of having other water supply sources aside from its bulk water supplier. However, BCWD has not yet explored this option as it already has its existing four (4) pump stations which can serve as back-up water supply in case of emergencies. Although only one (1) among the four (4) is operational, BCWD can

have the other three (3) reactivated. Financial constraints have just hampered BCWD from implementing the reactivation of the other three (3) pump stations. BCWD can also have the option of exploring other new sources, but it will entail a large amount of money and time to do so, as such, BCWD has not yet chosen to look for other sources.



PERSONNEL MOVEMENT

APRIL TO JUNE 2024

RECRUITMENT

Name	1ST DAY OF EMPLOYMENT	POSITION	Status
Margallo, Menchell Ralph E.	May 15, 2024	Attorney IV	Temporary Appointment
Bayrola, Kem Jane E.	May 29, 2024	Clerk	Project Base
Rin, Jocyl A.	May 29, 2024	Clerk	Contract of Service
Cero, Angel	May 18, 2024	Clerk	Contract of Service
Martinez, Kyla Jean L.	May 18, 2024	Clerk	Contract of Service
Yonson, Rose Jane E.	May 18, 2024	Clerk	Contract of Service

DESIGNATION

Name	EFFECTIVITY DATE	POSITION	Designation
Asis, Lowell A.	April 1, 2024	Senior Computer Services Programmer	Officer-In-Charge (OIC), Information and Communication Technology Division, MSD

DESIGNATION

Name	EFFECTIVITY DATE	POSITION	From	To
Aldo V. Lofranco	April 1, 2024	Senior Water Resources Facilities Operator A	Production Operations Division	Water Quality Division
Janica D. Montederamos	June 28, 2024	Clerk-Processor B	Engineering Department	Accounting Division, Finance Department
Essa Mae H. Openiano	June 28, 2024	Customer Service Assistant B	Customer Service Division, CSD	Customer Accounts Division, CSD

PERSONNEL MOVEMENT

APRIL TO JUNE 2024

SEPARATION

NAME	EFFECTIVITY DATE	POSITION	Status	Mode of Separation
De Jesus, Julito P.	April 1, 2024	Laborer / Plumber Aide	Project-Based	AWOL
Jacosalem, Janley A.	April 1, 2024	Pump Operator	Contract of Service	Non-Renewal of Contract
Medrano, Bernard D.	April 1, 2024	Pump Operator	Contract of Service	Non-Renewal of Contract
Relano, Ryan R.	April 1, 2024	Plant Helper	Contract of Service	Non-Renewal of Contract
Tumampos, Nicole P.	April 15, 2024	Engineer A	Permanent	Resigned
Galez, Edgar O.	April 23, 2024	Plant Helper	Contract of Service	Resigned
Tambis, Junrey G.	May 10, 2024	Auto Mechanic	Contract of Service	Resigned
Malinao, Nicole	May 6, 2024	Clerk	Contract of Service	Resigned
De Guzman, Dante E.	May 31, 2024	Plumber Aide	Contract of Service	Resigned
Burdeos, Angel Fel J.	May 31, 2024	Clerk	Project-Based	Resigned
Cagata, Jasper L.	June 1, 2024	Water/Sewerage Maintenance Man B	Permanent	Disability Retirement
Amporias, Jimboy P.	June 7, 2024	Draftsman/AutoCAD Operator	Contract of Service	AWOL
Cuachon, Kim John D.	June 26, 2024	Laborer / Plumber Aide	Project-Based	Resigned
Bernados, Marbelin B.	June 28, 2024	Clerk	Contract of Service	Resigned

VIRTUAL TRAININGS/ SEMINARS

APRIL TO JUNE 2024

TITLE	INCLUSIVE DATES	VENUE	CONDUCTED BY:	PARTICIPANTS
CONVENTIONS/CONFERENCES/FORUM/SUMMIT ATTENDED BY OFFICERS & EMPLOYEES				
NONE				

SEMINARS / TRAININGS / WORKSHOPS ATTENDED BY OFFICERS & EMPLOYEES

TITLE	INCLUSIVE DATES	VENUE	CONDUCTED BY:	PARTICIPANTS
NONE				

SEMINARS / TRAININGS / WORKSHOPS ATTENDED BY OFFICERS & EMPLOYEES

TITLE	INCLUSIVE DATES	VENUE	CONDUCTED BY:	PARTICIPANTS
OTHER ACTIVITIES / MEETINGS				
TRWQMA Meeting	April 19, 2024	Purok 5, Ambago, Butuan City	Department of Environment and Natural Resources	Basnillo, Arnel
				Basilio, Blesyn A.
Butuan City Tourism Council Coordination Meeting	April 19, 2024	Gov. Jose C. Aquino Training Center	City Tourism and Cultural Affairs Department	Amba, Elly Mark N.
				Castillo, Anthony C.
2023 Report on the Economic Performance of Caraga Region News Conference	April 25, 2024	Philippine Statistics Authority	Convention 2, Butuan Grand Palace Hotel, Butuan City	Aguilar, Roberto C.
				Openiano, Essa Mae H.
Employers' and Fund Coordinators' Forum	April 30, 2024	The Pavilion X, Watergate Hotel	Pag-Ibig Fund	Tiempo, Christine M.
TWMC-TWG Meeting	May 3, 2024	PENRO ADN Training Center, Tiniwisan Butuan City	Provincial Environment and Natural Resources Office	Dela Calzada, Al Patrick M.
Committee Hearing on Urban Planning and Infrastructure	May 6, 2024	SP Bldg., J.P. Rosales Ave., Butuan City	Sangguniang Panglungsod of Butuan	Dela Calzada, Al Patrick M.
Coordination Meeting	May 7, 2024	J.P. Rosales Ave., Butuan City	City Government of Butuan	Patrimonio, Anna Karina O.

VIRTUAL TRAININGS/ SEMINARS

APRIL TO JUNE 2024

TITLE	INCLUSIVE DATES	VENUE	CONDUCTED BY:	PARTICIPANTS
OTHER ACTIVITIES / MEETINGS				
Site Investigation	May 8, 2024	Barangay Pianing	Office of the Sangguniang Barangay	De Guzman, Rex E.
				Palima, Odeny Jr. C.
2nd Joint CDRMC Thematic Committee Meeting on Disaster Response & Disaster Rehabilitation & Recovery Meeting of 2024	May 13, 2024	OCM Conference Room 2, City Hall Building Doongan, Butuan City	City Disaster Risk and Management Council	Betito, Christian Kier M.
				Dela Calzada, Al Patrick M.
				Espinosa, Lea E.
eBCS, eMDS and We Access Orientation	May 14, 2024	GSIS Butuan	Government Service Insurance System	Anasta, Josephine S.
Local Price Coordinating Council (LPCC) 2nd Quarterly Meeting	May 24, 2024	Southville Hotel and Convention Center	City Economic and Business Development Department	Dela Calzada, Al Patrick M.
				Reambonanza, Marievel T.
Contingency Plan for Emerging & Re-Emerging Infectious Diseases (EREID) Workshop	May 28-29, 2024	Balangay Hotel and Convention Center, Butuan City	City Disaster Risk Reduction and Management Department	Aguilar, Roberto G.
External Briefing on R.A. No. 11976 Otherwise Known as The Ease of Paying Taxes (EOPT) Act	June 5, 2024	Grand Felipe Hall, Hotel Oasis, J.C. Aquino, Butuan City	Bureau of Internal Revenue	Montederamos, Janica D.
				Montilla, Romel B.
				Plaza, Bea S.
2nd Quarter TWMC Meeting	June 7, 2024	PENRO-Agusan del Norte	Department of Environment and Natural Resources	Basilio, Blesyn A.
				Basnilio, Arnel C.

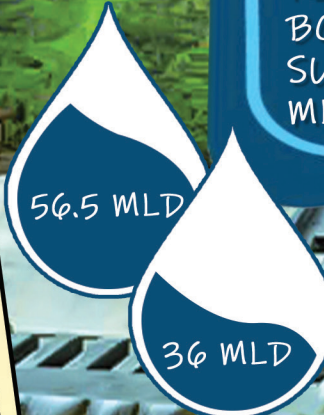
PAHIBALO

NASINATI NA NATO KARON ANG SOBRANG
KAIINIT TUNGOD SA EL NIÑO.

NIUBOS NA
ANG LEBEL SA
TUBIG SA
TAGUIBO RIVER



ANG TASC DIIN GAKUHA
OG TUBIG SA TAGUIBO
RIVER PARA ISUPLAY SA
BCWD, MAGPAUBOS OG
SUPLAY GIKAN SA 56.5
MLD NGADTO SA 36 MLD.



KASAMTANGAN NGA GISUTA SA MGA ENGINEERS SA BUHATAN SA BCWD ANG
PAGPAHIGAYON OG ROTATIONAL SUPLAY SA TUBIG SA SIDLAKAN (EAST)
UG KASADPAN (WEST) NA BAHIN SA DAKBAYAN SA BUTUAN PARA SA PATAS
NA PAG-APOD-APOD SA SUPLAY SA TUBIG.

EAST

ANTICALA HANGTOD:

- MAGSAYSAY BRIDGE
- TALIGAMAN/ BASAG
- PIGDAULAN
- TINIWISAN/ CABCABON
- MAHAY

WEST

MAGSAYSAY BRIDGE HANGTOD:

- BANCASI
- BIT-OS / SAN VICENTE
- MASAO / LUMBOCAN
- PAGATPATAN

MAGPAHIGAYON USAB ANG BCWD
OG WATER RATIONING SA MGA
LUGAR NGA WALAY AGAS



MAGTIGOM OG
TUBIG SAMTANG
ADUNA PAY AGAS
SA GRIPO



SA DUGANG KASAYURAN TAWAG
LANG SA BCWD CALL CENTER SA
NUMERO 817-6635 /6736