



**CARMONA WATER DISTRICT**

Blk 8 Lot 8 Joy St. Cityland Subd., Mabuhay, Carmona, Cavite

# **FIVE-YEAR BUSINESS PLAN (2022 - 2026)**

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# BRIEF PROFILE OF CARMONA WATER DISTRICT

Carmona Water District (CWD) is a non-profit, government-owned and controlled corporation which was established to provide water services under Level III System. CWD is one of the local water distributors here in Cavite serving 16,608 concessionaires in the Municipality of Carmona. CWD have 19 pumping stations in different barangays in Carmona that supplies water 24 hours a day and 7 days a week. CWD is capable of supplying sufficient, safe and potable water for all households.

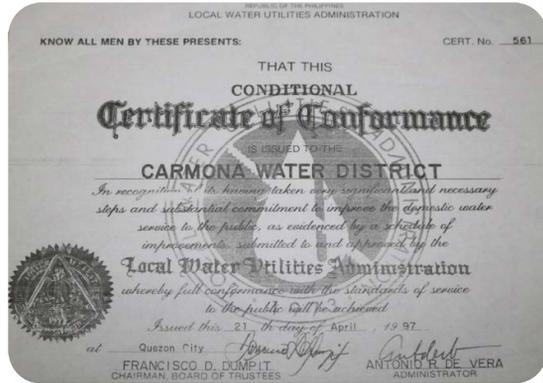


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<b>Telephone Nos.</b>	: (046) 430-0832
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<b>Email Address</b>	: <a href="mailto:pro@carmonawd.gov.ph">pro@carmonawd.gov.ph</a>
<b>Category</b>	: Category B
<b>CCC No.</b>	: 561
<b>Date CCC issued</b>	: April 27, 1997
<b>No. of Service Connections as of December 2021</b>	: 16,608

# HISTORY OF THE CARMONA WATER DISTRICT

Carmona Water District is a non-profit, government-owned and controlled corporation which was established to provide water services under Level III System to the municipality of Carmona with more than 20,000 population.

**Municipal Resolution No. 077-96** dated October 14, 1996 gave way to the birth of Carmona Water District (CWD). Under this resolution, CWD shall have exclusive power to raise revenues and promulgate rules and regulations to run and manage the water utility pursuant to the provisions of Section 27, Title II of Presidential Decree 198 known as the Provincial Water Utilities Act of 1973.



Later on, the Sangguniang Bayan of Carmona amended this resolution on January 20, 1997 under Municipal Resolution No. 002-97 creating CWD and designating its Board of Directors. Since CWD was still a non-self-supporting utility at that time, the Local Government of Carmona provided a monthly subsidy of Php15,000.00 for a period of 1 year to help the district implement an improved staffing pattern and operational format.

On **April 27, 1997**, the Local Water Utilities and Administration (LWUA)-an agency created to assist provincial urban water-users through loans, training and other forms of assistance, awarded a **Certificate of Conditional Conformance Number 561** to CWD. This marked the inception of CWD with its first General Manager, Engr. Teddy Medina, who served the district for 2 years. He was succeeded by Mr. Edison L. Sarmiento, Jr. who served from the year 2000 until October 2015.

Consequently, starting November 2015, **Engr. Aniline B. Francia** assumed the General Manager position and has been bringing positive changes to the District.

With CWD growing rapidly, delivering sufficient, clean and economical water to its increasing number of concessionaires has been a challenge. But through the hard work of its employees and good leadership, CWD has surpassed these challenges. In August 2006, CWD was categorized by LWUA from Small to Big Category having reached a remarkable 5,000 service connections. This had been a big leap for the district.

In 2012, CWD was successfully re-categorized by LWUA from Category "C" into **Category "B" Water District** having reached more than 13,000 concessionaires. This was ratified by the Department of Budget and Management (DBM) on February 2018.

After almost 24 years in public utility service to the town of Carmona, CWD has greatly improved from just starting with a single well. Now, the district has **19 Pumping Stations** located within the 14 Barangays being served.

Through the years, Carmona Water District has continuously met its objective of supplying clean, sufficient and economical water to its concessionaires.

# CORPORATE STRUCTURE

## BOARD OF DIRECTORS

**DIR. ATTY. FREDERICK S. LEVARDO**  
Chairman

**DIR. PATRICK A. DOLOROSO**  
Vice Chairman

**DIR. ADELINA M. DIEGO**  
Secretary

**DIR. JULIA C. DIAGO**  
Member

**DIR. BERNARD M. LEDESMA**  
Member

## MANAGEMENT TEAM

**ENGR. ANILINE B. FRANCIA**  
General Manager

**MR. JOEMAR G. CUNANAN**  
Admin/Finance Division Manager

**ENGR. MA. NIEVES C. MAÑABO**  
Engineering Division Head

**MS. ROCELISA G. MAULANIN**  
Commercial Division Head

*“Great things in business  
are never done by  
one person.  
They’re done by a  
team of people.”*

Carmona Water District knows that upholding its mission is a combined effort of its entire corporate hierarchy.

On top of CWD’s corporate structure is the Board of Directors who is the policy-making and goal-setting body of the agency. Each of the Board Members came from different sectors of society namely: Civil, Business, Professional, Education and Women. Each is appointed by the local chief executive to a renewable six-year term.

Consequently, implementation of the policies and supervision of company’s day-to-day activities are vested upon the Management Team. It is headed by the General Manager subordinated by three (3) Division Managers for Commercial, Engineering, and Administrative and Finance.

# MISSION AND VISION STATEMENT

## IMS POLICY

CARMONA WATER DISTRICT is committed to ensuring the provision of quality water services and protecting the local and global environment. To achieve this, we will:

- Observe strict monitoring of the governing body standards to meet and exceed the customers' expectations.
- Give focus on the services we deliver, and aim to maintain open communications with the concessionaires and to respond actively and properly to customer feedback.
- Aim to continually improve the quality of the water we supply to our concessionaires through the acquisition of most appropriate technology.
- Comply with applicable legal and other requirements which relates to the Company's environmental aspects.
- Include the consideration of environmental issues in all business strategies and initiatives.
- Prevent pollution, reduce waste and minimize the consumption of resources.
- Educate, train and motivate employees, concessionaires, suppliers and others to carry out activities in an environmentally responsible manner.

## VISION

The premier Water District in Cavite highly recognized for excellence in providing service and quality water for the welfare of the concessionaires and waste water industry.

Carmona Water District shall provide safe adequate, economical water and deliver services to address the needs of the concessionaires thereby actively participating in the environmental protection program of the community.

## MISSION

Carmona Water District is committed to ensuring the provision of quality water services and strict monitoring of the governing body standards to meet and exceed the customers' expectations.

We give focus on the services we deliver, and aim to maintain open communications with our concessionaires and to respond actively and properly to customer feedback.

We aim to continually improve the quality of the water we supply to our concessionaires through the acquisition of most appropriate technology.

# EXECUTIVE SUMMARY

The Business plan covers the first 5 years of 2022-2026 strategic plans and provide mechanisms to ensure compliance with that plan. The plan is responsive to the need of the customers by providing essential services in the most cost-effective manner possible as dictated by Carmona Water District mission statement.

Because of the determination to fulfill its mission, this business considered the external and internal conditions , population growth and water demand as well as the issues facing in implementing this five-year business plan.

Carmona Water District was created to be the provider of safe, adequate and economical water primarily to all residents and secondarily all commercial and industrial business within the vicinity of Carmona. The agency's management and employees joint hands in fulfilling its goals, vision and mission.



# FOREWORD

Carmona Water Districts' goal to ensure concessionaires' satisfaction is anchored to service excellence. This five-year business plan provides complete information on the agency's development plan in delivering quality service.

Carmona Water District's 5-year Business Plan aims to impart a layout for a progressive development of the agency through commitment, engagement and team work. In this proposition, the management is positive that this business plan will be of great help to the management and will significantly contribute in attaining its mission.

# MESSAGE FROM THE CHAIRMAN

The past years has been challenging as our priority shifted to the health and safety of our employees and concessionaires as the global pandemic took charge since 2020. We have adapted to the changing environment very quickly, and our services continued to be accessible without interruption.

As a consequence of strategies in place, through the concerted effort of our employees backed up with good leadership, sound management and warm support of the Municipality of Carmona, we have surpassed the following challenges that came our way. Carmona Water District is continually looking to stay relevant and focused on its sustainable future.

Now as we mark our 25<sup>th</sup> year in water utility service, we together with our stakeholders are heading towards a progressive future. We aim for a strong balance sheet despite the challenges of the pandemic and increase in customer satisfaction. This will not be possible without the passion and drive of employees, all of whom are equally aligned with our goals.

For and on behalf of the CWD Board of Directors, I am pleased to present to you our revised **Five-Year Business Plan for the Years 2022 – 2026**. This plan outlines the district's direction and strategic priority projects to address risks and opportunities as well as to ensure sustainable water supply for our valid concessionaires.



**Atty. Frederick S. Levardo**  
Chairman of the Board of Directors

# MESSAGE FROM THE GENERAL MANAGER

*“Whatever you do, work at it with all your heart, as working for the Lord and not for men.”*

– Colossians 3:23

At Carmona Water District, we aim to do the right things in the right ways. That’s the sense of integrity that I instill in my subordinates at all times. As a government-owned and controlled corporation, it is never easy to promote a culture of strong ethics and honesty. However, with God’s help and the positive attitude of my staff, we were able to achieve this.

The challenges brought by the pandemic measured the level of our commitment to delivering quality water and services. This pandemic allowed us to strive harder and adapt to any situation, particularly in the new normal. We initiated programs to address the limitation of face-to-face transactions. Aside from this, the continuous improvement of facilities to address the needs of the concessionaires and protect the environment. In 2021, CWD achieved the implementation and construction of the Septage Treatment Facilities and additional water sources such as a new pumping station and bolted ground water tank. CWD proves that it is committed to its mandates through the cooperation and engagement of all employees.

As an ISO 9001:2015 and ISO 14001:2015 certified company, we pledge to continuous improvement of our services and carry out more meaningful projects. In this light, it is with enthusiasm and commitment, that I present the **5-year Business Plan of Carmona Water District for the years 2022-2026.**



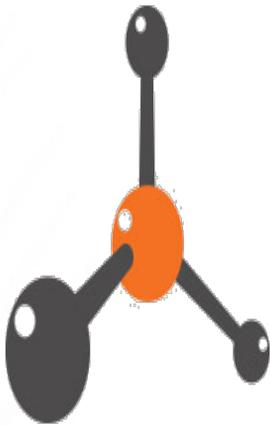
**Engr. Aniline B. Francia**  
General Manager

## STRATEGIC OBJECTIVES



- Provide safe, adequate, and economical water
- Extend prompt and quality services
- Preserve and protect water resources
- Ensure efficient management of financial resources
- Build partnership with stakeholders and concessionaires

## CORE VALUES



**Accountability** Our employees take responsibility for our own actions. We perform duties required by our job functions in an efficient, fair, and transparent manner.

**Leadership** We work in an environment where the management values group motivation and team work, thus creating a vision that motivates and inspires all employees.

**Ecological Awareness** We realize the important need to preserve the environment and natural resources. We strongly support this advocacy through different activities within the agency.

**Reliability** Our dependability and consistent good service reflect our commitment to our valued concessionaires.

**Timelessness** As a public servant, we are always at your service going above and beyond our regular job duties.

# THE PRIMARY FUNCTION OF THE DIVISIONS OF CARMONA WATER DISTRICT



## Board of Directors

The Board of Directors is the policy-making body of the agency. The Board establishes and adopts policies and amend by-laws for the management and operations of the district.



## General Manager

The General Manager, who is appointed by the Board of Directors, is in-charge of the over-all administration and direction of the district operations, including implementation of policies and procedures, approval of program of works, direct coordination with local government and other agencies of the government, management of the district expenditures, and overseeing all programs and activities of the district.



## Administrative and Human Resources

The Administrative and Human Resource Division is responsible for the management of human resources, administrative and general services.



## Commercial Division

The Commercial Division manages customer services and customer accounts which include billing activities of the district, records management of concessionaires, and attending to customer inquiries and complaints on billing and other water services.



## Finance Division

Finance Division is responsible for the transparent reporting of the agency performance and financial position. This division is also responsible for budget preparation and allocation, and effective cash management procedures.



## Engineering Division

The Engineering Division is in charge of construction and maintenance of water services facilities, production operations including water treatment and distribution, quality control, and planning and implementation of water services infrastructure and projects.

# CURRENT CONDITIONS - INTERNAL

## Organizational Structure and Staffing

CWD has a total workforce complement of 80 as shown in the table (Table 1) below. Of these, 11% are contractual on job order basis while another 16% are casual employees and some 73% are regular employees. However, the total number of positions is 98, which is less than the present total workforce including casuals and job order contractual.

Table 1  
CWD Workforce Complement

Level of Position	Number of Positions	Existing Number of Staff	Percentage to TOTAL
GM, BOD	6	6	6%
Dept./Div. Managers	6	3	3%
Supervisors	17	3	3%
Rank & File	69	46	47%
Casuals		13	13%
Contractors per Job Order		9	9%
<b>Total</b>	<b>98</b>	<b>80</b>	<b>81%</b>

The figure that follows is the organizational structure of the CWD under the Category B approved by the Department of Budget and Management.

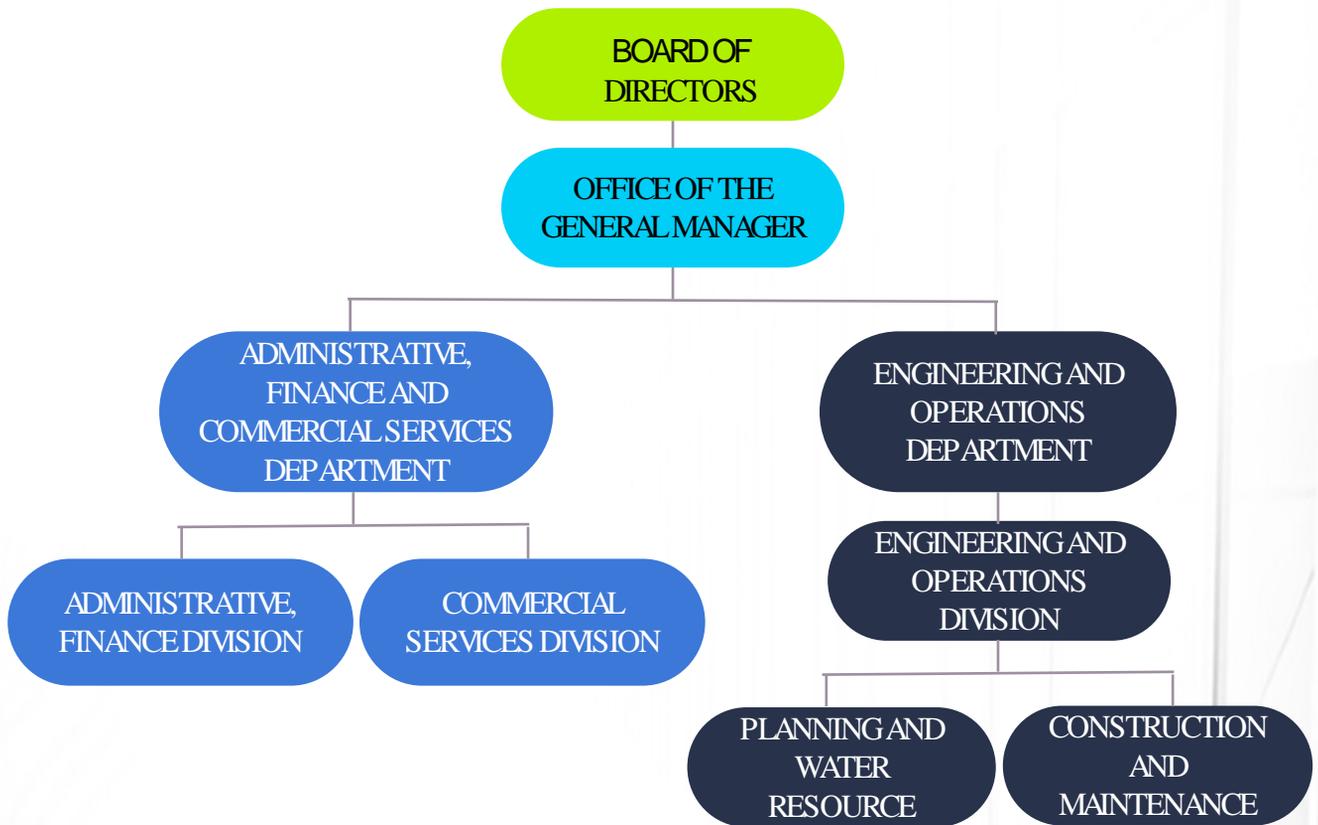


Figure 1  
Proposed Organizational Structure

## Financing Availability

Like all other Water Districts in the country, CWD prepares and implements budgets on an annual basis and is dependent on the revenues projected to be generated for the year. The primary source of these revenues come from the water sales and such is used to fund the requirements of the District for the year. These requirements include the operating and maintenance expenses, debt service, capital expenditures, the reserve and contingency appropriations. As of 2021, CWD has a total of Php 165,589,120.47 cash and cash equivalents. This represents that the District revenue increased and its expenses decreased by a margin. CWD has no plan to loan for its new projects and activities for the following years.

# GENDER AND DEVELOPMENT PLAN

## GAD PROJECT 2022

Pursuant to the General Appropriations Act for the year 2022 and Republic Act 9710 or the "Magna Carta of Women, Carmona Water District allocated P 10,090,000.00 of its annual corporate budget for 2022 to Gender and Development project.

For the year 2022, Carmona Water District set eleven (11) projects, programs and activities for the Gender and Development. One of them is the CWD Office Building renovation and improvement project that takes the majority of the allocated budget amounting to P 9,250,000.00. The improvement and renovation is set to provide spacious, conducive, relaxing, and shed area to concessionaires with transaction to CWD.

## CWD DISASTER RISK REDUCTION MANAGEMENT PLAN

### CWD DRRM PLAN

In compliance to with the requirements of RA 10211 "The Philippine Disaster Risk Reduction and Management Act of 2010", the Carmona Water District established its own Disaster Risk Reduction and Management Plan to provide safe, adequate, economical water, and quality water services during and/or after calamities and to continually adhere to its Mandate.

This is to reinforce activities to prevent and mitigate, if possible, or to prepare for both natural and man-man induced hazards/calamities. Activities for responses, recovery and rehabilitation were established including supervision and responses to natural and man-made induced hazards/calamities stated below:

- A. Typhoon
- B. Flood
- C. Drought
- D. Earthquake
- E. Volcanic Eruption
- F. Fire
- G. Power Interruption
- H. Transmittable Diseases

Emergency drills such as Fire and Earthquake drill activities are being conducted in simultaneous/cooperation with the Carmona DRRM and usually done once or twice a year.

# OCCUPATIONAL SAFETY AND HEALTH

## OSH PROGRAM

In compliance to with the requirements of RA 11058 "An Act Strengthening Compliance with Occupational Safety and Health Standards and Providing Penalties for Violations thereof", DOLE Department Order 198-18 and its IRR, and the applicable provisions of the Occupational Safety and Health Standards (OSHS), the Carmona Water District established its own Occupational Safety and Health Program. The following are General Safety and Health Programs identified and implemented by the agency:

- Conduct of Risk Assessment in the work place
- Medical Surveillance for newly hired and existing employees
- First-Aid, Health Care, Medicines and Equipment Facilities
- Health Programs for the Promotion, Prevention and Control for pertinent laws
- Establishment of Safety and Health Committee
- OSH Personnel and Facilities
- Safety and Health Promotion, Training, Education provided to Employees
- Conduct of Tool Box Meetings/Safety Meetings
- Accident/Incident/Injury Investigation, Recording and Reporting Procedure
- Provision and Use of Personal Protective Equipment (PPE)
- Use of Safety Signage
- Dust/Fume Control for Hazardous Equipment/Materials/Supplies
- Worker's Facilities in the workplace
- Emergency and Disaster Preparedness
- Solid and Hazard Waste Management in line with ISO 14001:2015 EMS
- Control and Management of Hazards
- Prohibited Acts and Penalties for Violations on OSH Policy
- Budgetary Requirements for OSH Program
- Program Review and Evaluation Program

# CURRENT CONDITIONS - EXTERNAL

## Non-Revenue Water Reduction

Non-revenue water (NRW) is water that has been produced and lost before it reaches the customer. Losses can be real losses (through leaks, sometimes referred to as physical losses) or apparent losses such as through theft or meter inaccuracies. High levels of NRW are detrimental to financial viability of water utilities, as well as the quality of water itself.

In this light, Carmona Water District aims to reduce NRW with the Engineering Division and Commercial Division taking the lead. Likewise for 2021, Carmona Water District registered 18.4% non-revenue water, comparatively low to the standard set by LWUA which is 20%.

Table 2  
Percentage of CWD's Non-Revenue Water

ITEM	VALUE	UNIT
Production Volume (2021 data)	4,468,686	Cubic Meter (cu.m)
Billed Consumption (2021 data)	3,644,516	cu.m.
Number of Service Connection as of December 2021	16,608	Service Connection
Average Monthly Consumption per Household	18.28	cu.m./Household /monthly
Non Revenue Water (Volume)	824,170	cu.m.
% NRW to Total Production	18.4	%

**Table 3  
Likelihood and Risk Rating of Hazardous Events**

Process Step	Hazardous event	Hazard	Likelihood	Severity	Risk Score	Risk Rating
Source (Ground Water)	Ingress of contaminants due to agricultural activities (pesticides)	Chemical	3	3	9	Moderate
	Discoloration & low water pressure due to power interruption	Physical	3	3	9	Moderate
	Sand Pumping	Physical	2	2	4	Low
	Presence of iron/manganese	Physical	2	3	6	Moderate
Storage (tank cover & Reservoir)	Ingress of rust due to corroded metal cover	Physical Chemical	2 2	3 3	6 6	Moderate Moderate
	Intrusion of insects and small animals due to open overflow vent	Microbial Physical	2 2	5 3	10 6	Moderate Moderate
Treatment	Improper preparation of chlorine	Microbial	3	3	9	Moderate
	Under dosing of chlorine due to clog nozzle of chlorinator	Microbial	3	3	9	Moderate
	Shortage of Chlorine Stocks	Microbial	2	2	4	Low
	No disinfection due to defective chlorinator	Microbial	2	2	4	Low
Distribution	Ingress of contaminants due to pipe leaks or low water pressure	Microbial Chemical Physical	3 2 2	5 4 4	15 8 8	High Moderate Moderate
Consumer Premises	Intrusion of contaminants due to backflow	Microbial	2	5	10	Moderate

# Barriers in Implementing this Five-Year Strategic Business Plan

Whenever an organization wants to move ahead, regardless of their size, level of economic development, they have to face dynamic and complex environment due to the globalization, technological development, new emerging markets. At that time organizations need more sophisticated and contemporary strategic planning for their survival and growth. As organizations moves toward strategic planning, they face different barriers. The following are the barriers in implementing this business plan:

- lack of strict monitoring of schedules
- different interpretations of laws
- purchasing processes in the Phils.
- miscommunications bet LGU officials/other government agencies
- red tapes/politics
- low collections due to force majeure/pandemic
- rotten tomato in the group

## Monitoring, Commentary and Corrective Actions

The Business Plan must be reviewed and updated on a yearly basis in order to keep track of the unforeseen scenarios in the operations. The review and updating must involve both the policy-making body and the executive branch of the organization. The Management then has to cascade the Business Plan to every personnel of the District in order to have unity and coordination in the performance of responsibilities and duties towards the attainment of the organization's strategic goals.

## Strategic Goals of the Utility

As an ISO certified company, Carmona Water District established its Integrated Management System Manual and Procedures for Quality (9001) and Environmental (14001) Management System to improve the agency's overall performance and provide a sound basis for sustainable development initiatives. Thus, CARMONA WATER DISTRICT is committed to ensuring the provision of quality water services and protecting the local and global environment. To achieve this, we will:

- Observe strict monitoring of the governing body standards to meet and exceed the customers' expectations.
- Give focus on the services we deliver, and aim to maintain open communications with the concessionaires and to respond actively and properly to customer feedback.
- Aim to continually improve the quality of the water we supply to our concessionaires through the acquisition of most appropriate technology.
- Comply with applicable legal and other requirements which relates to the Company's environmental aspects.
- Include the consideration of environmental issues in all business strategies and initiatives.
- Prevent pollution, reduce waste and minimize the consumption of resources.

# FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



## Analysis and Forecast of Personnel Structure

CARMONA WATER DISTRICT

Staff Status	Base Year				Year 1				Year 2			
	2021				2022				2023			
	No. of Staff	Ave. Mo. Net Basic Pay (PhP)	Annual Cost (PhP)	No. of Staff	Pay Increase	Ave. Mo. Net Basic Pay (PhP)	Annual Cost (PhP)	No. of Staff	Pay Increase	Ave. Mo. Net Basic Pay (PhP)	Annual Cost (PhP)	
Regular	53	23,834	15,158,688	59	5%	25,026	17,718,504	69	5%	26,277	21,757,723	
Casual	13	16,077	2,507,988	10	5%	16,881	2,025,683	12	5%	17,725	2,552,360	
Contractual/Job Order	9	9,133	986,400	12	5%	9,590	1,380,960	0	5%	10,070	0	
<b>Total Staff Cost/ Year (PhP)</b>	<b>75</b>		<b>18,653,076</b>	<b>81</b>			<b>21,125,147</b>	<b>81</b>			<b>24,310,083</b>	
Annual % Increase in Labor Cost							13.3%				15.1%	
No. of connections (Water+Sewer)	16,608			18,587				18,991				
No. of Conns./Staff	221			229				234				
Staff Status	Year 3				Year 4				Year 5			
	2024				2025				2026			
	No. of Staff	Pay Increase	Ave. Mo. Net Basic Pay (PhP)	Annual Cost (PhP)	No. of Staff	Pay Increase	Ave. Mo. Net Basic Pay (PhP)	Annual Cost (PhP)	No. of Staff	Pay Increase	Ave. Mo. Net Basic Pay (PhP)	Annual Cost (PhP)
Regular	72	5%	27,591	23,838,896	73	5%	28,971	25,378,491	74	5%	30,419	27,012,449
Casual	10	5%	18,611	2,233,315	10	5%	19,542	2,344,981	10	5%	20,519	2,462,230
Contractual/Job Order	0	5%	10,573	0	0	5%	11,102	0	0	5%	11,657	0
<b>Total Staff Cost/ Year (PhP)</b>	<b>82</b>		<b>26,072,211</b>	<b>83</b>			<b>27,723,472</b>	<b>84</b>			<b>29,474,679</b>	
Annual % Increase in Labor Cost				7.2%				6.3%				6.3%
No. of connections (Water+Sewer)	19,403			19,824				20,255				
No. of Conns./Staff	237			239				241				

# FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



## Water Demand Analysis and Sales Forecast

CARMONA WATER DISTRICT

	Base Year 2021	Year 1 2022	Year 2 2023	Year 3 2024	Year 4 2025	Year 5 2026
<b>Population/Customer Profile</b>						
Total City/Municipal Population	111,164	113,610	116,109	118,663	121,274	123,942
Population Covered by Other Service Providers	28,124	28,743	29,375	30,021	30,682	31,357
% of Total Population	25%	25%	25%	25%	25%	25%
Maximum Serviceable Population	83,040	84,867	86,734	88,642	90,592	92,585
Population Covered by WD Water Distribution System	83,040	84,867	86,734	88,642	90,592	92,585
% of Total Population	75%	75%	75%	75%	75%	75%
% of LGU Population Not Covered by Any Service Provider	0%	0%	0%	0%	0%	0%
Population Served by Household Connections	75,120	84,867	86,734	88,642	90,592	92,585
Population Served by Public Faucets	0	0	0	0	0	0
Total Population Served	75,120	84,867	86,734	88,642	90,592	92,585
% of Total Population	68%	75%	75%	75%	75%	75%
% Willing-to-Connect to WD Water System	90%	100%	100%	100%	100%	100%
<b>Registered Active Water Service Connections</b>						
Metered Connections	16,608	18,587	18,991	19,403	19,824	20,255
Non-metered Connections	0	0	0	0	0	0
% Metered Connections	100%	100%	100%	100%	100%	100%
No. of New Metered Connections per Year		1,979	404	412	421	431
<b>Individual Household Connections</b>						
Metered HH Connections	15,024	16,973	17,347	17,728	18,118	18,517
Non-metered HH Connections	0	0	0	0	0	0
% Metered HH Connections	100%	100%	100%	100%	100%	100%
No. of New Metered HH Connections per Year		1,949	373	382	390	399
<b>Public Faucets</b>						
Metered PFs	0	0	0	0	0	0
Non-metered PFs	0	0	0	0	0	0
% Metered PFs	0%	0%	0%	0%	0%	0%
Average HHs per PF	0	0	0	0	0	0
<b>Commercial Connections</b>						
Metered Connections	1,479	1,509	1,539	1,570	1,601	1,633
Non-metered Connections	0	0	0	0	0	0
% Metered Connections	100%	100%	100%	100%	100%	100%
No. of New Metered Commercial Connections per Year		30	30	31	31	32
<b>Institutional Connections</b>						
Metered Connections	105	105	105	105	105	105
Non-metered Connections	0	0	0	0	0	0
% Metered Connections	100%	100%	100%	100%	100%	100%
No. of New Metered Institutional Connections per Year		0	0	0	0	0

# FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



## Water Demand Analysis and Sales Forecast

CARMONA WATER DISTRICT

	Base Year 2021	Year 1 2022	Year 2 2023	Year 3 2024	Year 4 2025	Year 5 2026
<b>Industrial Connections</b>	0	0	0	0	0	0
Metered Connections	0	0	0	0	0	0
Non-metered Connections	0	0	0	0	0	0
% Metered Connections	0%	0%	0%	0%	0%	0%
No. of New Metered Industrial Connections per Year		0	0	0	0	0
<b>Registered Sewer Connections</b>	0	0	0	0	0	0
Households	0					
Sewer Coverage HH (%)	0%	0%	0%	0%	0%	0%
Commercial	0	0	0	0	0	0
Institutional	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
<b>Septage Collection</b>						
Customers	16,608	18,587	18,991	19,403	19,824	20,255
Households	15,024	16,973	17,347	17,728	18,118	18,517
Septage Collection Coverage HH (%)	68%	75%	75%	75%	75%	75%
Commercial	1,479	1,509	1,539	1,570	1,601	1,633
Institutional	105	105	105	105	105	105
Industrial	0	0	0	0	0	0
Non-Customers	5,625	5,749	5,875	6,004	6,136	6,271
<b>Total Water Sales Volume (m<sup>3</sup>/year)</b>	3,644,516	127,136,911	129,798,434	132,517,172	135,293,601	138,130,422
Metered Water Sales	3,644,516					
Non-metered Water Sales	0					
<b>Individual Household Consumption</b>	2,971,150	92,928,936	94,973,751	97,063,447	99,198,254	101,380,620
Metered HH Water Sales	2,971,150					
Non-metered HH Water Sales	0					
<b>Public Faucets Consumption</b>	0	0	0	0	0	0
Metered PF Water Sales	0					
Non-metered PF Water Sales	0					
<b>Commercial Consumption</b>	578,368	30,835,375	31,452,083	32,081,124	32,722,747	33,377,202
Metered Water Sales	578,368					
Non-metered Water Sales	0					
<b>Institutional Consumption</b>	94,998	3,372,600	3,372,600	3,372,600	3,372,600	3,372,600
Metered Water Sales	94,998					
Non-metered Water Sales	0					
<b>Industrial Consumption</b>	0	0	0	0	0	0
Metered Water Sales	0					
Non-metered Water Sales	0					

# FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



## Water Demand Analysis and Sales Forecast

### CARMONA WATER DISTRICT

	Base Year 2021	Year 1 2022	Year 2 2023	Year 3 2024	Year 4 2025	Year 5 2026
<b>Per Capita Demand (lpcd)</b>						
Individual Household	108	3,000	3,000	3,000	3,000	3,000
Public Faucet	0	0	0	0	0	0
<b>Per Connection Demand (m<sup>3</sup>/day)</b>						
Individual Household	0.54	15.00	15.00	15.00	15.00	15.00
Public Faucet	0.00	0.00	0.00	0.00	0.00	0.00
Commercial	1.07	56.00	56.00	56.00	56.00	56.00
Institutional	2.48	88.00	88.00	88.00	88.00	88.00
Industrial	0.00	0.00	0.00	0.00	0.00	0.00
Retail Water Demand (m <sup>3</sup> /day)	9,985	348,320	355,612	363,061	370,667	378,440
Bulk Water Sales (m <sup>3</sup> /day)	0	0	0	0	0	0
<b>Total Water Demand (Ave. m<sup>3</sup>/day)</b>	9,985	348,320	355,612	363,061	370,667	378,440
Produced Water (m <sup>3</sup> /day)	12,243	435,400	444,515	453,826	463,334	473,049
Purchased Water (m <sup>3</sup> /day)	0	0	0	0	0	0
<b>Total Water to System (m<sup>3</sup>/day)</b>	12,243	435,400	444,515	453,826	463,334	473,049
Allowance for % NRW	18%	20%	20%	20%	20%	20%

Projected Population Increase (%)	2.20%
Projected Commercial Connection Increase (%)	2.00%
Projected Institutional Connection Increase (%)	0.00%
Projected Industrial Connection Increase (%)	1.00%
No. of Persons per Household	5.00



# FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



## Operation and Maintenance Budget Forecast (PHP)

CARMONA WATER DISTRICT

Expenses	Base Year 2021	Year 1 2022	Year 2 2023	Year 3 2024	Year 4 2025	Year 5 2026
<b>Basic Salaries</b>						
Regular Staff	15,158,688	17,718,504	21,757,723	23,838,896	25,378,491	27,012,449
Casual Staff	2,507,988	2,025,683	2,552,360	2,233,315	2,344,981	2,462,230
Contractual/Job Order Staff	986,400	1,380,960	0	0	0	0
<b>Sub Total</b>	<b>18,653,076</b>	<b>21,125,147</b>	<b>24,310,083</b>	<b>26,072,211</b>	<b>27,723,472</b>	<b>29,474,679</b>
<b>Other Compensation</b>						
Overtime	808,157	816,239	824,401	832,645	840,972	849,381
13th Month Pay	1,506,644	1,521,710	1,536,927	1,552,297	1,567,820	1,583,498
Bonuses	2,678,463	2,705,248	2,732,300	2,759,623	2,787,219	2,815,092
Other Compensation	9,403,704	9,497,741	9,592,719	9,688,646	9,785,532	9,883,388
Compensation of Board of Directors	710,200	717,302	724,475	731,719	739,036	746,427
Other Board Compensation	0	0	0	0	0	0
<b>Sub Total</b>	<b>15,107,168</b>	<b>15,258,240</b>	<b>15,410,822</b>	<b>15,564,930</b>	<b>15,720,579</b>	<b>15,877,785</b>
<b>Personnel Costs</b>						
GSIS	2,115,103	2,136,254	2,157,616	2,179,192	2,200,984	2,222,994
PhilHealth Contributions	244,274	246,716	249,184	251,675	254,192	256,734
Pag-Ibig Contributions	80,150	80,952	81,761	82,579	83,404	84,238
Employee Compensation	80,200	81,002	81,812	82,630	83,456	84,291
Training	121,632	122,848	124,077	125,318	126,571	127,836
<b>Sub Total</b>	<b>2,641,358</b>	<b>2,667,772</b>	<b>2,694,449</b>	<b>2,721,394</b>	<b>2,748,608</b>	<b>2,776,094</b>
<b>Expenditures</b>						
Maintenance	2,662,874	2,689,503	2,689,503	2,689,503	2,689,503	2,689,503
Materials	0	0	0	0	0	0
Chemicals	1,396,790	1,410,758	1,410,758	1,410,758	1,410,758	1,410,758
Electricity	17,747,854	17,925,333	17,925,333	17,925,333	17,925,333	17,925,333
Security Services	632,863	639,191	639,191	639,191	639,191	639,191
Other Contracted Services	254,075	256,616	256,616	256,616	256,616	256,616
Transport (fuel, oil, vehicle insurance)	416,865	421,033	421,033	421,033	421,033	421,033
Office and Administrative	301,805	304,823	304,823	304,823	304,823	304,823
Taxes (premiums and other fees)	3,416,648	3,450,814	3,450,814	3,450,814	3,450,814	3,450,814
Purchased Water	24,120	24,361	24,361	24,361	24,361	24,361
Other Expenditures	2,924,517	2,953,762	2,953,762	2,953,762	2,953,762	2,953,762
Public Relations	0	0	0	0	0	0
O&M Contingency	0	0	0	0	0	0
<b>Sub Total</b>	<b>29,778,409</b>	<b>30,076,194</b>	<b>30,076,194</b>	<b>30,076,194</b>	<b>30,076,194</b>	<b>30,076,194</b>
<b>Total Operation and Maintenance</b>	<b>66,180,012</b>	<b>69,127,352</b>	<b>72,491,548</b>	<b>74,434,729</b>	<b>76,268,853</b>	<b>78,204,752</b>

# FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



## Operation and Maintenance Budget Forecast (PhP)

CARMONA WATER DISTRICT

Norms	2021	2022	2023	2024	2025	2026
<b>Based on % of Basic Salary:</b>						
Overtime	4.33%	1.00%	1.00%	1.00%	1.00%	1.00%
13th Month Pay	8.08%	1.00%	1.00%	1.00%	1.00%	1.00%
Bonuses	14.36%	1.00%	1.00%	1.00%	1.00%	1.00%
Other Compensation	50.41%	1.00%	1.00%	1.00%	1.00%	1.00%
GSIS	11.34%	1.00%	1.00%	1.00%	1.00%	1.00%
PhilHealth Contributions	1.31%	1.00%	1.00%	1.00%	1.00%	1.00%
Pag-Ibig Contributions	0.43%	1.00%	1.00%	1.00%	1.00%	1.00%
Employee Compensation	0.43%	1.00%	1.00%	1.00%	1.00%	1.00%
Training	0.65%	1.00%	1.00%	1.00%	1.00%	1.00%
<b>PhP/year/connection:</b>						
Public Relations	0.00	1.00%	1.00%	1.00%	1.00%	1.00%
<b>PhP/m<sup>3</sup>:</b>						
Chemicals	0.31	1.00%	1.00%	1.00%	1.00%	1.00%
Electricity	3.97	1.00%	1.00%	1.00%	1.00%	1.00%
Purchased Water	0.00	1.00%	1.00%	1.00%	1.00%	1.00%
<b>Increasing/Decreasing Rates:</b>						
Compensation of Board of Directors		1.00%	1.00%	1.00%	1.00%	1.00%
Other Board Compensation		1.00%	1.00%	1.00%	1.00%	1.00%
Maintenance		1.00%	1.00%	1.00%	1.00%	1.00%
Materials		1.00%	1.00%	1.00%	1.00%	1.00%
Security Services		1.00%	1.00%	1.00%	1.00%	1.00%
Other Contracted Services		1.00%	1.00%	1.00%	1.00%	1.00%
Transport (fuel, oil, vehicle insurance)		1.00%	1.00%	1.00%	1.00%	1.00%
Office and Administrative		1.00%	1.00%	1.00%	1.00%	1.00%
Taxes (premiums and other fees)		1.00%	1.00%	1.00%	1.00%	1.00%
Other Expenditures		1.00%	1.00%	1.00%	1.00%	1.00%



# FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



## Revenue Needs (PHP)

### CARMONA WATER DISTRICT

Description	Base Year 2021	Year 1 2022	Year 2 2023	Year 3 2024	Year 4 2025	Year 5 2026
<b>Operation and Maintenance Costs</b>						
Personal Services	2,641,358	2,667,772	2,694,449	2,721,394	2,748,608	2,776,094
Maintenance and Other Operating Expenses	29,778,409	30,076,194	30,076,194	30,076,194	30,076,194	30,076,194
<b>Sub-Total</b>	<b>66,180,012</b>	<b>69,127,352</b>	<b>72,491,548</b>	<b>74,434,729</b>	<b>76,268,853</b>	<b>78,204,752</b>
<b>Debt Service</b>						
Interest Payments from Revenues	0	0	0	0	0	0
Principal Repayment from Revenues	0	0	0	0	0	0
Debt Repayment Reserve	0	0	0	0	0	0
<b>Sub-Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Capital Expenditures</b>						
Capital Renewal Expenditures	0	37,000,000	100,000	0	0	0
Capital Repair and Replacement Reserve	719,981	0	5,675,000	6,470,000	5,500,000	6,100,000
New Capital Investment Reserve	51,057,368	16,699,100	5,433,000	1,295,000	10,333,000	2,720,000
<b>Sub-Total</b>	<b>51,777,349</b>	<b>53,699,100</b>	<b>11,208,000</b>	<b>7,765,000</b>	<b>15,833,000</b>	<b>8,820,000</b>
<b>Subsidies</b>						
Subsidies from Central/Local Government	0	0	0	0	0	0
<b>Sub-Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Revenue Needs</b>	<b>117,957,361</b>	<b>122,826,452</b>	<b>83,699,548</b>	<b>82,199,729</b>	<b>92,101,853</b>	<b>87,024,752</b>
Collection Efficiency (% per Year)	97%	95%	95%	95%	95%	95%
<b>Adjusted Total Revenue Needs with the Collection Efficiency</b>	<b>121,605,527</b>	<b>129,291,002</b>	<b>88,104,787</b>	<b>86,526,030</b>	<b>96,949,319</b>	<b>91,605,002</b>
<b>Debt Service Reserve</b>						
(O&M Contingency+Debt Repayment Reserve+Capital Expenditures)	51,777,349	53,699,100	11,208,000	7,765,000	15,833,000	8,820,000
Total Debt Service Reserve (as % on Adjusted Total Revenue Needs)	44.96%	46.43%	9.49%	6.44%	12.87%	7.02%



# FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



## Pricing Strategy

### CARMONA WATER DISTRICT

Description	Base Year 2021	Year 1 2022	Year 2 2023	Year 3 2024	Year 4 2025	Year 5 2026
<b>Revenues (PhP)</b>						
<b>Water Service</b>						
Individual Households	81,797,524	82,228,105	84,037,459	85,886,525	87,775,507	89,706,572
Public Faucets	0	0	0	0	0	0
Commercial	30,015,343	30,096,774	30,698,710	31,312,684	31,938,938	32,577,717
Institutional	3,355,560	3,324,636	3,324,636	3,324,636	3,324,636	3,324,636
Industrial	0	0	0	0	0	0
Bulk		0	0	0	0	0
<b>Minimum Charge</b>						
Individual Households	43,016,717	48,598,014	49,667,369	50,760,194	51,876,610	53,017,898
Commercial	8,469,346	8,638,733	8,811,507	8,987,737	9,167,492	9,350,842
Institutional	300,636	300,636	300,636	300,636	300,636	300,636
Industrial	0	0	0	0	0	0
<b>Commodity Charges</b>						
Individual Households	38,780,807	33,630,091	34,370,090	35,126,331	35,898,897	36,688,674
Commercial	21,545,998	21,458,042	21,887,203	22,324,947	22,771,446	23,226,875
Institutional	3,054,924	3,024,000	3,024,000	3,024,000	3,024,000	3,024,000
Industrial	0	0	0	0	0	0
<b>Sewerage</b>						
Households	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Institutional	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
<b>Septage Management</b>						
Households	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Institutional	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Non-Customers	0	0	0	0	0	0
<b>Total Revenues by Type of Service</b>						
Water	115,168,428	115,649,516	118,060,805	120,523,845	123,039,081	125,608,925
Sewerage	0	0	0	0	0	0
Septage Management	0	0	0	0	0	0
Others	0	0	0	0	0	0
<b>Total Revenues (from Price Strategy)</b>	<b>115,168,428</b>	<b>115,649,516</b>	<b>118,060,805</b>	<b>120,523,845</b>	<b>123,039,081</b>	<b>125,608,925</b>
<b>Adjusted Total Revenue Needs with the Collection Rate</b>	<b>121,605,527</b>	<b>129,291,002</b>	<b>88,104,787</b>	<b>86,526,030</b>	<b>96,949,319</b>	<b>91,605,002</b>
Annual Cash Flow Surplus	-6,437,099	-13,641,486	29,956,018	33,997,815	26,089,762	34,003,923
Accumulative Cash Flow Surplus	135,469,620	121,828,134	151,784,151	185,781,966	211,871,728	245,875,651

# ACCOMPLISHED PROGRAMS AND PROJECTS FY 2021



## Carmona Water District Programs and Projects 2021

Program/Project	Supplier	PMO/End-User	Mode of Procurement	Beneficiaries	Approved Budget for the Contract	Contract Cost	Project Status	Remarks
Supply and Delivery of Physical-Chemical Analysis and Microbiological Tests	Cosmolab Laboratories, Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District Concessionaires	162,425.00	156,400.00	Completed	
Supply and Delivery of Labor and Materials for Preventive Maintenance of Three (3) Units of Generator Set	LKT Corporation	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	71,500.00	54,880.00	Completed	
Supply and Delivery of One (1) Unit Multicab	Suzuki Auto Dasmaniñas	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	616,000.00	616,000.00	Completed	
Supply and Delivery of Various Materials for Mabuhay Pumping Station Concrete Fence	Four J's Merchandising	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Mabuhay PS	91,550.00	79,653.00	Completed	
Supply and Delivery of Security Services at Carmona Water District Building and Premises	Arviter Top of the Line Security Investigation Specialist	ADM. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	823,284.00	607,329.60	Ongoing	
Supply and Delivery of Four (4) Units Desktop Computer	Zafeera Merchandising	FIN. And ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Finance and Engineering Division	200,000.00	168,000.00	Completed	
Design & Build of 20m <sup>3</sup> /d Septage Treatment Plant for Carmona Water District at Mayor's Boulevard, Brgy. Maduya	Chemical Research Products Industrial Sales, Inc.	ENG. DIV.	Public Bidding	CWD Concessionaires	45,000,000.00	41,500,000.00	Ongoing	
Supply and Delivery of Carbonless Continuous Forms with Letter Head	Foms International Enterprises Corporation	COMM. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Commercial Division	200,000.00	158,600.00	Completed	
Supply and Delivery of One (1) Unit Split Type Air Conditioner	Grey Seven Industrial	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	60,000.00	60,000.00	Completed	
Supply and Delivery of Various Fittings and Materials for Warehouse Stocks - 1st Quarter	Constech Asia Corporation	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	402,110.00	373,177.00	Completed	
Supply and Delivery of Labor, Tools, Equipment and Materials for the Construction of One (1) Unit Steel Bolted Ground Water Tank and its Facilities	Reffec Industrial Supplies and Services, Inc.	ENG. DIV.	Public Bidding	Carmona Water District Concessionaires at Brgy. Bancal	3,550,000.00	3,232,716.00	Completed	
Supply and Delivery of One (1) Unit Submersible Pump and Motor for Montecarlo Pumping Station	Gotesco Water Solutions	ENG. DIV.	Negotiated Procurement - Emergency Cases	CWD Montecarlo PS	200,000.00	186,000.00	Completed	
Supply and Delivery of Materials for the Installation of Main Distribution Panel and Lighting and Power Panel Boards	Deigratia Electrical Supply	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Bancal PS	60,700.00	55,800.00	Completed	
Supply and Delivery of Generator Set	Power Access Electrical Services	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	700,000.00	620,000.00	Completed	
Supply and Delivery of One (1) Unit Submersible Pump and Motor for Montecarlo Pumping Station	Armen Electro Mech Sales and General Merchandise	ENG. DIV.	Negotiated Procurement - Emergency Cases	CWD Montecarlo PS	128,800.00	128,800.00	Completed	
Supply and Delivery of One (1) Unit Brand New Passenger Van	Toyota Lipa, Batangas Inc.	OGM DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	2,200,000.00	2,047,600.00	Completed	Two-Failed Biddings resorted to Negotiated Procurement
Supply and Delivery of Office Supplies	Mostaco Marketing	ALL DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	145,952.28	145,947.00	Completed	
Supply and Delivery of Chlorinator Machines	Flow Harmonic Commercial, Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	107,500.00	107,500.00	Completed	
Supply and Delivery of Various Materials for Mabuhay Pumping Station Concrete Fence	M. Polo Construction Supply	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Mabuhay PS	93,555.00	93,472.50	Completed	
Supply and Delivery of Construction Supplies for Concrete Fence	Juberlie Construction Supply	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Mabuhay PS	110,280.00	108,540.00	Completed	
Supply and Delivery of Flaring Tools	Amecos Intellectual Properties, Inc.	ENG. DIV.	Direct Contracting (Sec.50)	Carmona Water District	38,995.00	38,995.00	Completed	

Supply and Delivery of One (1) Unit Submersible Pump and Motor	Gotesco Water Solutions	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Camona Water District	160,000.00	154,000.00	Completed	
Supply and Delivery of Labor for Well Rehabilitation of Five (5) Pumping Stations	Laguna Well Drilling and Construction Corporation	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Villa Alegre PS, CBB PS1, CBB PS2, CES PS and Bancal PS4	250,000.00	250,000.00	Completed	
Supply and Delivery of Various Fittings and Materials for Warehouse Stocks	JB Sachi Marketing Corp.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Camona Water District	974,300.00	965,186.16	Completed	
Supply and Delivery of Padlocks with Universal Key	JB Sachi Marketing Corp.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Commercial Division	80,000.00	75,600.00	Completed	
Supply and Delivery of Heavy Duty Water Meters	Philippine Valve Manufacturing Company	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Camona Water District	975,000.00	924,500.00	Completed	
Supply and Delivery of Various Materials for Temporary Warehouse	M. Polo Construction Supply	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	84,825.00	82,162.50	Completed	
Supply and Delivery of Various Materials for Pipelaying	JB Sachi Marketing Corp.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	119,100.00	112,669.42	Completed	
Supply, Delivery and Installation of Automatic Voltage Regulator	LSI Leading Technologies Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	500,000.00	486,900.00	Completed	
Supply and Delivery of Personal Protective Equipment by Lot A	Hi-Safety Industrial Supplies, Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	71,000.00	62,650.00	Completed	
Supply and Delivery of Personal Protective Equipment by Lot B	Hi-Safety Industrial Supplies, Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	84,000.00	83,935.00	Completed	
Supply and Delivery of One (1) Unit Utility Vehicle	Marukai Automotive Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	1,000,000.00	958,000.00	Completed	
Supply and Delivery of Three (3) Unit Submersible Pump and Motor	Riddhi and Zarana Enterprises Corp.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	600,000.00	480,000.00	Completed	
Supply and Delivery of Various Materials for Well Rehabilitation of Five (5) Pumping Stations	JB Sachi Marketing Corp.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	83,300.00	82,600.85	Completed	
Supply and Delivery of Labor, Tools and Equipment for Well Rehabilitation of Five (5) Pumping Station	Spandex Marketing Corporation	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Villa Alegre PS, Villa Sorteo PS, CPM PS, Bancal PS2 and Bancal PS3	250,000.00	225,000.00	Ongoing	
Supply and Delivery of Various Materials for Pipeline and Flow Meter Installation	JB Sachi Marketing Corp.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	CWD Engineering Division	84,090.00	83,886.91	Ongoing	

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# THE FIVE-YEAR DEVELOPMENT PLAN

## PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

### ENGINEERING DIVISION

#### THE FIVE-YEAR DEVELOPMENT PLAN PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

ISSUE / GAPS	OBJECTIVES	PRIORITY, PROGRAMS, PROJECTS AND	EXPECTED OUTCOME	TIME FRAME / BUDGET ALLOCATION				
				2022	2023	2024	2025	2026
Meter Inaccuracies due to uncalibrated water meters	To ensure the use of calibrated water meters	Replacement of uncalibrated water meters	For effective and fair meter reading and avoid erroneous water meter consumption	2,005,000	2,175,000	2,480,000	1,500,000	2,000,000
Needs improvement on water supply due to increase in demand	To provide continuous water supply during increase in water demand	Construction of Additional Pumping Stations (Bancal and Lantic and Maduya area)	For sufficient water supply demand even with continuous increase in demand	7,500,000			9,000,000	
Shut down of Pumping Station due to irregular maintenance of Generator Sets	To ensure continuous service during power interruption/outages	Periodic Preventive Maintenance of Generator Sets	Efficient and continuous water service even with power interruption			390,000		
Insufficient maintenance vehicle due to continuous increase in manpower	To ensure immediate response on maintenance activities by increasing the number of vehicles	Purchase of additional multicab as service vehicle	Immediate response maintenance activities such as repair of leakages, new meter installation and other related activities		800,000			1,300,000
Insufficient equipment and tools due to increase in manpower	To ensure immediate response on activities by increasing the number of tools and equipment	Purchase of additional equipment and tools for maintenance and operators	Immediate response on maintenance and operations concerns	250,000		275,000		300,000
Lack of upgraded equipment and system for improvement of water services and leak detection	To provide better services by using upgraded/ highly technical equipment such as leak detection system and systems	Purchase of leak detection equipment, subscription of Water CAD system, Automation of Pumping Stations' monitoring and procurement of AVR	Improve water services by lessening the leakages and provide increase of water pressure in the system	1,500,000	2,000,000	2,000,000	2,500,000	2,500,000
Lack of Filtration System	To provide potable water with lesser minerals that were pumped out in each well	Procurement of Filtration System in Pumping Station	Improve water quality		3,000,000			
Needs replacement of old pipelines and expansion of water connections	To provide additional water service connection and replacement of old pipeline	Interconnection of new pipelines	Cater additional concessionaires	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Needs reduction of Non-Revenue Water (NRW)	To continually improved the water supply through programs and activities that will aim to reduce NRW	Creation of District Metered Areas (DMAs) and installation of flowmeters in existing fire hydrants	Thorough monitoring and lowering of NRW	100,000		100,000		100,000

# THE FIVE-YEAR DEVELOPMENT PLAN

## PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

### ENGINEERING DIVISION

ISSUE / GAPS	OBJECTIVES	PRIORITY, PROGRAMS, PROJECTS AND	EXPECTED OUTCOME	TIME FRAME / BUDGET ALLOCATION						
				2021	2022	2023	2024	2025	2026	
Needs better facility for growing concessionaires and additional offices for personnel	To provide better services by upgrading the CWD office	CWD office building expansion	Provided conducive facility for the concessionaires and employees		35,000,000					
Lack of Septage facility to comply with the legal requirements on waste water discharge	To ensure compliance on "Clean Water Act" by providing Septage Facility	Construction of Septage Admin Building, Laboratory, roadworks, perimeter fence and changing room, furnitures and fixtures	Improve waste water quality		5,000,000					
Lack of Sanitation programs	To ensure compliance on "Clean Water Act" by providing Septage Management Program	Operation of Septage Treatment Facility	Improve waste water quality		750,000	800,000	850,000	900,000	950,000	
Costly and deferred water laboratory tests (Bacteriological Test and Physical-Chemical Tests) results conducted by Third-Party Provider	To establish water testing facility / laboratory in Carmona Water District	Establishment of water testing facility/laboratory	Lower operating expense in water laboratory tests, immediate results and additional income generating facility		2,000,000					

# THE FIVE-YEAR DEVELOPMENT PLAN

## PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

### COMMERCIAL DIVISION

#### THE FIVE-YEAR DEVELOPMENT PLAN PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

ISSUE / GAPS	OBJECTIVES	PRIORITY, PROGRAMS,	EXPECTED OUTCOME	TIME FRAME / BUDGET ALLOCATION				
				2022	2023	2024	2025	2026
Cluttered and limited space at the Customer Service Area to accommodate customers.	To provide adequate office space for better accommodation and conducive environment for interacting with customers	Renovation of the Customer Service Area.	A more responsive customer service and comfortable customers.	Part of CWD building expansion project	Part of CWD building expansion project			
Limited space for the Commercial Division's various documents	To provide spacious storage room for the Commercial Division	Convert the Training Room into storage room, install racks	More effective and efficient way of storing of documents		100,000.00			
Fully depreciated motor vehicle.	To provide a new motor vehicles for meter readers/ bill servers.	Buy new motor vehicle	More effective and efficient way of meter reading, bill and letter serving.		140,000.00		140,000.00	
Trouble printing and fully depreciated printer.	To replace old and defective printer.	Buy new printers.	Easy and efficient printing of official receipts and various documents.	70,000.00	70,000.00	70,000.00	70,000.00	70,000.00
Fully depreciated computers.	To replace outdated and defective computer.	Buy new computer.	Fast and reliable use of computers. Boost efficiency and productivity among staffs.	180,000.00	100,000.00	100,000.00	100,000.00	100,000.00
Defective Read and Bill device	To replace defective Read and Bill device	buy new read and bill device	More effective and efficient way of meter reading		123,000.00		123,000.00	
Inclusion of Septage Fee in the water bill	To modify the BCWIN system and include the Septage Fee	Commission Programmer	Incorporate the Septage fee in the water bill	100,000.00				

# THE FIVE-YEAR DEVELOPMENT PLAN

## PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

### ADMIN & FINANCE DIVISION

#### THE FIVE-YEAR DEVELOPMENT PLAN PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

ISSUE / GAPS	OBJECTIVES	PRIORITY, PROGRAMS,	EXPECTED OUTCOME	TIME FRAME / BUDGET ALLOCATION				
				2022	2023	2024	2025	2026
Lack of serviceable motor vehicles	To have an efficient and effective performance of delivery of CWD Services	Purchase of Motor Vehicles	One (1) unit of Motor Vehicle	P 1,000,000.00				
Fully depreciated and unserviceable appliances, furnitures and fixtures	To provide comfortable working environment	Purchase of various appliances, furnitures and fixtures including but not limited to doors, office tables and chairs, personal ref., microwave oven, etc.	Various appliances, furnitures and fixtures		P 200,000.00			
Outdated / lack of Human Resource Information System	To have a reliable system that will help improve the human resources processes	Improvement of Human Resource Information System such as payroll system, database of employees, etc.	Human Resource Information System		P 200,000.00			



CARMONA WATER DISTRICT

Blk 8 Lot 8 Joy St. Cityland Subd., Mabuhay, Carmona, Cavite

*Ang Tubig ay Buhay,  
Gamitin nang Buong  
Husay!*



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