

A faded, blue-tinted background image of the Carmona Water District building, which is a large, classical-style structure with columns and a prominent entrance. The building's name is visible on the facade.

PLAN BUSINESS 2023-2027

TABLE OF CONTENTS

Brief Profile of Carmona Water District	3
History of the Local Water District	4
Corporate Structure	5
IMS, Mission and Vision Statement	6
Executive Summary	7
Foreword	7
Strategic Objective	8
Core Values	8
The Primary Functions of the Divisions of Local Water District	9
Current Conditions - Internal	10
Current Conditions - External	14
Barriers Implementing this Five -Year Strategic Business Plan	17
Monitoring, Commentary and Corrective Actions	17
Strategic Goals of the Utility	17
Five-Year Capital Expenditure and Investment Forecast Revenue Needs	18
Accomplished Programs and Projects FY 2021	29
The Five-Year Development Plan Priority Issue to be addressed by the concerned Division	30

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 17,065 concessionaires in the Municipality of Carmona. CWD have 18 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.



Address	: Block 8 Lot 8 Joy St. Cityland Subdivision, Brgy. Mabuhay, Carmona, Cavite
Postal Code	: 4116
Telephone Nos.	: (046) 430-0832
Telefax Nos.	: (046) 430-1705
Email Address	: carmonawd@yahoo.com / pro@carmonawd.gov.ph
Category	: Category B
CCC No.	: 561
Date CCC issued	: April 27, 1997
No. of Service Connections as of December 2022	: 17,065

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 **18 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. JULIA C. DIAGO
Secretary

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, 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 2023-2027 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.

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

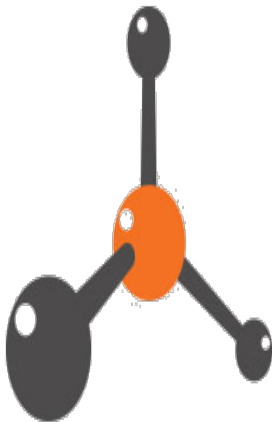
Accountability Our employees take responsibility for our own actions. We perform duties required by our job functions in an efficient, fair, and transparent manner.

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 and Operations Division is responsible in handling water production, supply and quality control including the wastewater sanitation. It also responsible for the implementation of water services infrastructure and projects.

CURRENT CONDITIONS - INTERNAL

Organizational Structure and Staffing

CWD has a total workforce complement of 83 as shown in the table (Table 1) below. Of these, 15% are contractual on job order basis while another 17% are casual employees and some 68% 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	5	5%
Dept./Div. Managers	6	3	3%
Supervisors	17	4	4%
Rank & File	69	49	50%
Casuals		14	14%
Contractors per Job Order		12	12%
Total	98	83	88%

CURRENT CONDITIONS - INTERNAL

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

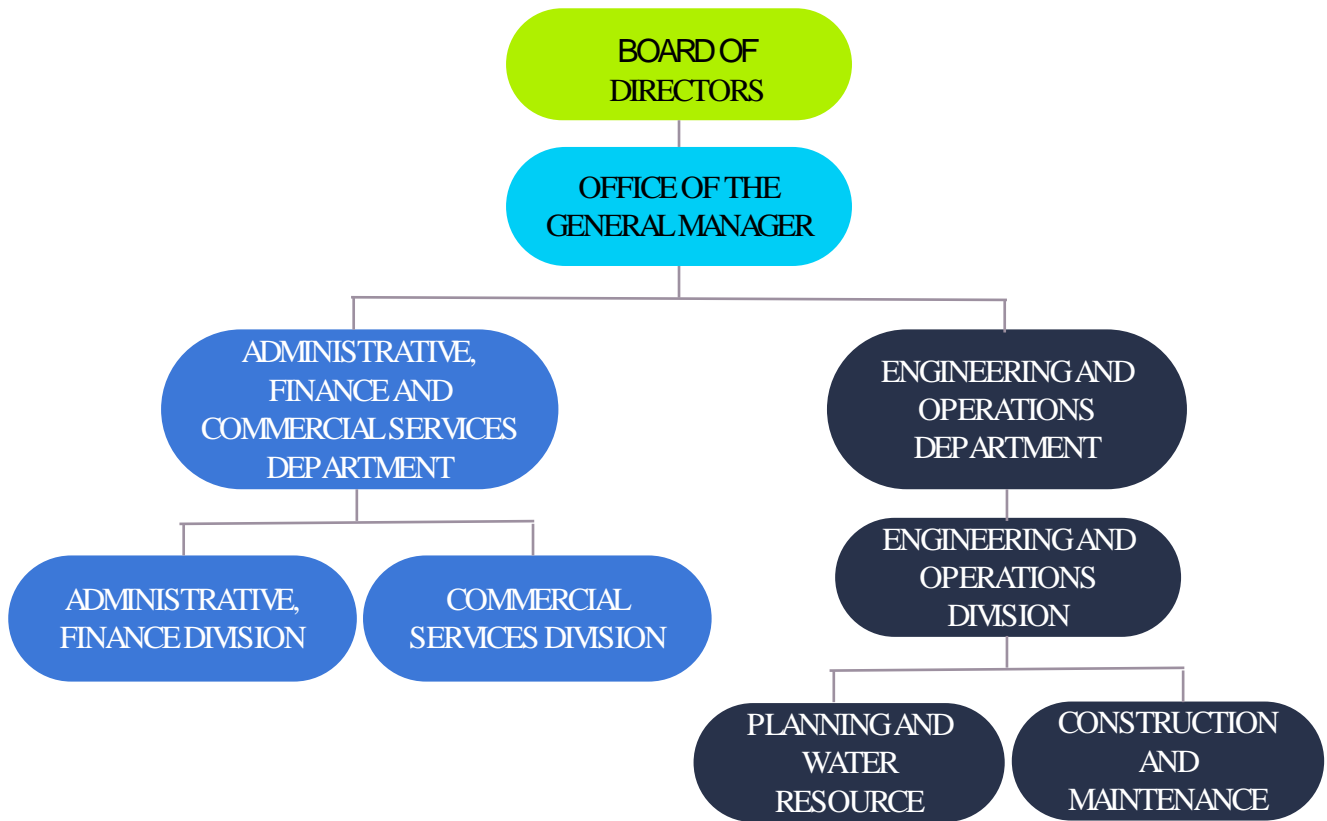


Figure 1
Proposed Organizational Structure

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 2022, CWD has a total of Php 188,127,851.16 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 7,430,000.00 of its annual corporate budget for 2023 to Gender and Development project.

For the year 2023, Carmona Water District set twelve (12) projects, programs and activities for the Gender and Development. One of them is the Well Drilling of Pumping Station project that takes the majority of the allocated budget amounting to P 5,500,000.00. The well drilling project is set to provide safe, adequate, potable and economical water to concessionaires.

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 | F. Waterborne Disease Outbreak |
| B. Flood | G. Fire |
| C. Drought | H. Power Interruption |
| D. Earthquake | I. Oil or Chemical Spill |
| E. Volcanic Eruption | J. Transmittable Diseases |
| | K. Water Sabotage |

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 2022, Carmona Water District registered 20% non-revenue water equal to the standard set by LWUA which is 20%.

Table 2
Percentage of CWD's Non-Revenue Water

ITEM	VALUE	UNIT
Production Volume (2022 data)	4,549,665	Cubic Meter (cu.m)
Billed Consumption (2022 data)	3,640,754	cu.m.
Number of Service Connection as of December 2022	17,065	Service Connection
Average Monthly Consumption per Household	19.1	cu.m./Household /monthly
Non Revenue Water (Volume)	908,911	cu.m.
% NRW to Total Production	20	%

CURRENT CONDITIONS - EXTERNAL

Table 3
Likelihood and Risk Rating of Hazardous Events

Process Step	Hazardous event	Hazard	Likelihood	Severity	Risk Score	Risk Rating
Source (Ground Water)	Contamination due to open sounding tube and cable wire passage and well head	Microbial	5	5	25	High
	Contamination due to natural calamities such as flooding, earthquake, super typhoons, etc.	Microbial	2	5	10	Moderate
		Chemical	2	4	8	Moderate
		Physical	2	3	6	Moderate
	Possible water contamination due to sand pumping or over pumping	Physical	3	2	6	Moderate
	Water contamination due to presence of high Iron and Manganese	Chemical	3	3	9	Moderate
	Possible entry of contamination after the well rehabilitation activity or repair	Microbial	2	5	10	Moderate
	Possible water contamination due to salt water intrusion	Chemical	1	4	4	Low
Storage (tank cover& Reservoir)	Ingress of rust due to corroded metal cover	Microbial	3	5	15	High
		Physical	3	3	9	Moderate
	Contamination due to water sabotage	Microbial	5	5	25	High
Treatment	Possible contamination due to unavailability of Chlorine Dioxide supply	Chemical	5	4	20	High
		Physical	5	3	15	High
Treatment	Possible contamination due to unavailability of Chlorine Dioxide supply	Microbial	2	5	10	Moderate
		Chemical	3	3	9	Moderate
	Possible contamination due to chlorine dioxide overdosing	Physical	3	2	6	Moderate
Treatment	Possible contamination due to unavailability of Chlorine Dioxide supply	Microbial	5	5	25	High
		Chemical	3	3	9	Moderate
		Physical	3	2	6	Moderate

CURRENT CONDITIONS - EXTERNAL

Table 3
Likelihood and Risk Rating of Hazardous Events

Process Step	Hazardous event	Hazard	Likelihood	Severity	Risk Score	Risk Rating
Treatment	Defective Chlorinating System that may cause possible water contamination	Microbial	3	5	15	High
	Possible microbial growth in water supply system due to prolonged Power interruption	Microbial	3	5	15	High
Distribution	Contamination due to pipe burst	Microbial	4	5	20	High
		Chemical	4	3	12	Moderate
		Physical	4	2	8	Moderate
	Entry of contaminants at leaking pipeline, valves and fittings during low pressure or no water (vacuum flow)	Physical	5	2	10	Moderate
	Contamination in new connection of pipelines due to presence of welding flux during fabrication	Physical	5	3	15	High
	Contamination in new connection of pipelines due to unsecured pipelines on open trench during construction and interconnection	Microbial	5	5	25	High
		Physical	5	2	10	Moderate
Consumer Premises	Contamination in service lines and water meters due to improper installation	Physical	5	3	15	High
		Microbial	3	5	15	High
		Chemical	3	3	9	Moderate
	Entry of contaminants due to service connection leakages	Physical	3	2	6	Moderate
		Microbial	5	5	25	High
		Chemical	5	4	20	High
		Physical	5	3	15	High
Consumer Premises	Entry of contaminants due to illegal connection	Microbial	3	5	15	High
	Possible water contamination due to the use of booster pump	Microbial	3	5	15	High
	Intrusion of contaminants due to backflow	Microbial	3	5	15	High

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 Government
- miscommunications between LGU officials/other government agencies
- red tapes/politics in government transactions
- 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				
	2023			2024				2025				
	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	72	25,077	21,666,528	72	5%	26,331	22,749,854	72	5%	27,647	23,887,347	
Casual	13	17,726	2,765,184	13	5%	18,612	2,903,443	13	5%	19,542	3,048,615	
Contractual/Job Order	12	9,652	1,389,816	12	5%	10,134	1,459,307	12	5%	10,641	1,532,272	
Total Staff Cost/ Year (PhP)	97		25,821,528	97			27,112,604	97			28,468,235	
Annual % Increase in Labor Cost							5.0%				5.0%	
No. of connections (Water+Sewer)	15,548			16,871				16,940				
No. of Conns./Staff	160			174				175				
Staff Status	Year 3			Year 4				Year 5				
	2026			2027				2028				
	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%	29,030	25,081,714	72	5%	30,481	26,335,800	72	5%	32,005	27,652,590
Casual	13	5%	20,520	3,201,046	13	5%	21,546	3,361,098	13	5%	22,623	3,529,153
Contractual/Job Order	12	5%	11,173	1,608,886	12	5%	11,731	1,689,330	12	5%	12,318	1,773,797
Total Staff Cost/ Year (PhP)	97		29,891,646	97			31,386,229	97			32,955,540	
Annual % Increase in Labor Cost				5.0%				5.0%				5.0%
No. of connections (Water+Sewer)	17,008			17,075				17,141				
No. of Conns./Staff	175			176				177				

FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



Water Demand Analysis and Sales Forecast

CARMONA WATER DISTRICT

	Base Year 2023	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
Population/Customer Profile						
Total City/Municipal Population	112,275	113,398	114,532	115,677	116,834	118,002
Population Covered by Other Service Providers	34,535	35,296	36,072	36,866	37,677	38,506
% of Total Population	31%	31%	31%	32%	32%	33%
Maximum Serviceable Population	77,740	78,102	78,460	78,811	79,157	79,496
Population Covered by WD Water Distribution System	77,740	78,102	78,460	78,811	79,157	79,496
% of Total Population	69%	69%	69%	68%	68%	67%
% of LGU Population Not Covered by Any Service Provider	0%	0%	0%	0%	0%	0%
Population Served by Household Connections	69,145	75,759	76,106	76,447	76,782	77,111
Population Served by Public Faucets	0	0	0	0	0	0
Total Population Served	69,145	75,759	76,106	76,447	76,782	77,111
% of Total Population	62%	67%	66%	66%	66%	65%
% Willing-to-Connect to WD Water System	89%	97%	97%	97%	97%	97%
Registered Active Water Service Connections						
Metered Connections	15,548	16,871	16,940	17,008	17,075	17,141
Non-metered Connections	0	0	0	0	0	0
% Metered Connections	100%	100%	100%	100%	100%	100%
No. of New Metered Connections per Year		1,323	69	68	67	66
Individual Household Connections						
Metered HH Connections	13,829	15,152	15,221	15,289	15,356	15,422
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		1,323	69	68	67	66
Public Faucets						
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
Commercial Connections						
Metered Connections	1,623	1,623	1,623	1,623	1,623	1,623
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		0	0	0	0	0
Institutional Connections						
Metered Connections	96	96	96	96	96	96
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
Industrial Connections						
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

FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



Water Demand Analysis and Sales Forecast

CARMONA WATER DISTRICT

	Base Year 2023	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
Registered Sewer Connections	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
Septage Collection						
Customers	15,548	16,871	16,940	17,008	17,075	17,141
Households	13,829	15,152	15,221	15,289	15,356	15,422
Septage Collection Coverage HH (%)	62%	67%	66%	66%	66%	65%
Commercial	1,623	1,623	1,623	1,623	1,623	1,623
Institutional	96	96	96	96	96	96
Industrial	0	0	0	0	0	0
Non-Customers	6,907	7,059	7,214	7,373	7,535	7,701
Total Water Sales Volume (m³/year)	3,640,754	3,902,642	3,916,710	3,930,517	3,944,105	3,957,441
Metered Water Sales	3,640,754					
Non-metered Water Sales	0					
Individual Household Consumption	2,807,476	3,069,364	3,083,432	3,097,239	3,110,827	3,124,163
Metered HH Water Sales	2,807,476					
Non-metered HH Water Sales	0					
Public Faucets Consumption	0	0	0	0	0	0
Metered PF Water Sales	0					
Non-metered PF Water Sales	0					
Commercial Consumption	721,070	721,070	721,070	721,070	721,070	721,070
Metered Water Sales	721,070					
Non-metered Water Sales	0					
Institutional Consumption	112,208	112,208	112,208	112,208	112,208	112,208
Metered Water Sales	112,208					
Non-metered Water Sales	0					
Industrial Consumption	0	0	0	0	0	0
Metered Water Sales	0					
Non-metered Water Sales	0					
Per Capita Demand (lpcd)						
Individual Household	111	111	111	111	111	111
Public Faucet	0	0	0	0	0	0
Per Connection Demand (m³/day)						
Individual Household	0.56	0.56	0.56	0.56	0.56	0.56
Public Faucet	0.00	0.00	0.00	0.00	0.00	0.00
Commercial	1.22	1.22	1.22	1.22	1.22	1.22
Institutional	3.20	3.20	3.20	3.20	3.20	3.20
Industrial	0.00	0.00	0.00	0.00	0.00	0.00

FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



Water Demand Analysis and Sales Forecast

CARMONA WATER DISTRICT

	Base Year 2023	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
Retail Water Demand (m ³ /day)	9,975	10,692	10,731	10,769	10,806	10,842
Bulk Water Sales (m ³ /day)	0	0	0	0	0	0
Total Water Demand (Ave. m³/day)	9,975	10,692	10,731	10,769	10,806	10,842
Produced Water (m ³ /day)	12,465	13,365	13,413	13,461	13,507	13,553
Purchased Water (m ³ /day)	0	0	0	0	0	0
Total Water to System (m³/day)	12,465	13,365	13,413	13,461	13,507	13,553
Allowance for % NRW	20%	20%	20%	20%	20%	20%

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

FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



Capital Expenditures Program (Php '000)

CARMONA WATER DISTRICT

Item	Qty.	Unit Cost	Total Cost Year 1-5	Base Year 2023	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
Capital Renewal									
		0.00	0						
		0.00	0						
		0.00	0						
Total Capital Renewal Expenditures			0	0	0	0	0	0	0
Capital Repair and Replacement									
Well Rehabilitation		0.00	0						
Preventive Maintenance of Generator Sets		0.00	0						
NRW Reduction	400,000.00		400,000		200,000		200,000		
Water Meter Replacements		0.00	0						
Purchase of Chlorinator Machines		0.00	0						
Pipelines	7,000,000.00		6,000,000	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	
Total Capital Repair and Replacement Reserve			6,400,000	1,000,000	1,700,000	1,500,000	1,700,000	1,500,000	0
New Capital Investments									
New Structures		2,100,000.00	0	2,100,000					
Pumping Stations		55,000,000.00	44,000,000	11,000,000	13,000,000	16,000,000	0	15,000,000	
Water Tanks		7,000,000.00	7,000,000		7,000,000				
Motor Vehicles		2,430,000.00	2,120,000	310,000	80,000	380,000	1,580,000	80,000	
Various Office Equipments, F&F and Machineries		20,100,000.00	18,700,000	1,400,000	9,200,000		4,500,000	5,000,000	
Various IT Equipments and Software		7,093,000.00	6,700,000	393,000	2,800,000	3,300,000	300,000	300,000	
Total New Capital Investments			78,520,000	15,203,000	32,080,000	19,680,000	6,380,000	20,380,000	0
Contribution to New Capital Investment Reserve	0%		0	0	0	0	0	0	0
New Capital Investment Loans	0%		0		0	0	0	0	0
Total Capital Investments from Free Cash Flow		0	84,920,000	16,203,000	33,780,000	21,180,000	8,080,000	21,880,000	0
Capital Investments from Grants									
None			0	0	0	0	0	0	0
			0						
Total Capital Investments from Grants			0	0	0	0	0	0	0

FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



Operation and Maintenance Budget Forecast (PhP)

CARMONA WATER DISTRICT

Expenses	Base Year 2023	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
Basic Salaries						
Regular Staff	21,666,528	22,749,854	23,887,347	25,081,714	26,335,800	27,652,590
Casual Staff	2,765,184	2,903,443	3,048,615	3,201,046	3,361,098	3,529,153
Contractual/Job Order Staff	1,389,816	1,459,307	1,532,272	1,608,886	1,689,330	1,773,797
Sub Total	25,821,528	27,112,604	28,468,235	29,891,646	31,386,229	32,955,540
Other Compensation						
Overtime	1,567,151	1,582,823	1,598,651	1,614,638	1,630,784	1,647,092
13th Month Pay	2,743,043	2,770,473	2,798,178	2,826,160	2,854,422	2,882,966
Bonuses	5,582,035	5,637,855	5,694,234	5,751,176	5,808,688	5,866,775
Other Compensation	4,484,000	4,528,840	4,574,128	4,619,870	4,666,068	4,712,729
Compensation of Board of Directors	2,909,088	2,938,179	2,967,561	2,997,236	3,027,209	3,057,481
Other Board Compensation		0	0	0	0	0
Sub Total	17,285,317	17,458,171	17,632,752	17,809,080	17,987,171	18,167,042
Personnel Costs						
GSIS	3,949,982	3,989,482	4,029,377	4,069,670	4,110,367	4,151,471
PhilHealth Contributions	729,518	736,813	744,181	751,623	759,139	766,731
Pag-Ibig Contributions	134,400	135,744	137,101	138,472	139,857	141,256
Employee Compensation	134,400	135,744	137,101	138,472	139,857	141,256
Terminal Leave	3,304,866	3,337,915	3,371,294	3,405,007	3,439,057	3,473,448
Sub Total	8,253,166	8,335,698	8,419,055	8,503,245	8,588,278	8,674,161
Expenditures						
Maintenance	5,253,700	5,306,237	5,306,237	5,306,237	5,306,237	5,306,237
Materials	2,444,220	2,468,662	2,468,662	2,468,662	2,468,662	2,468,662
Chemicals	2,231,425	2,253,739	2,253,739	2,253,739	2,253,739	2,253,739
Electricity	30,000,628	30,300,634	30,300,634	30,300,634	30,300,634	30,300,634
Security Services	1,811,225	1,829,337	1,829,337	1,829,337	1,829,337	1,829,337
Other Contracted Services	1,414,225	1,428,367	1,428,367	1,428,367	1,428,367	1,428,367
Transport (fuel, oil, vehicle insurance)	2,284,600	2,307,446	2,307,446	2,307,446	2,307,446	2,307,446
Office and Administrative	2,067,000	2,087,670	2,087,670	2,087,670	2,087,670	2,087,670
Taxes (premiums and other fees)	4,664,198	4,710,840	4,710,840	4,710,840	4,710,840	4,710,840
Purchased Water	96,000	96,960	96,960	96,960	96,960	96,960
Other Expenditures	818,176	826,358	826,358	826,358	826,358	826,358
Public Relations	0	0	0	0	0	0
O&M Contingency	2,486,196	2,511,058	2,511,058	2,511,058	2,511,058	2,511,058
Sub Total	55,571,592	56,127,308	56,127,308	56,127,308	56,127,308	56,127,308
Total Operation and Maintenance	106,931,604	109,033,781	110,647,350	112,331,280	114,088,985	115,924,051

FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



Operation and Maintenance Budget Forecast (PhP)

CARMONA WATER DISTRICT

Norms	2023	2024	2025	2026	2027	2028
Based on % of Basic Salary:						
Overtime	6.07%	1.00%	1.00%	1.00%	1.00%	1.00%
13th Month Pay	10.62%	1.00%	1.00%	1.00%	1.00%	1.00%
Bonuses	21.62%	1.00%	1.00%	1.00%	1.00%	1.00%
Other Compensation	17.37%	1.00%	1.00%	1.00%	1.00%	1.00%
GSIS	15.30%	1.00%	1.00%	1.00%	1.00%	1.00%
PhilHealth Contributions	2.83%	1.00%	1.00%	1.00%	1.00%	1.00%
Pag-Ibig Contributions	0.52%	1.00%	1.00%	1.00%	1.00%	1.00%
Employee Compensation	0.52%	1.00%	1.00%	1.00%	1.00%	1.00%
Training	12.80%	1.00%	1.00%	1.00%	1.00%	1.00%
PhP/year/connection:						
Public Relations	0.00	1.00%	1.00%	1.00%	1.00%	1.00%
PhP/m³:						
Chemicals	0.49	1.00%	1.00%	1.00%	1.00%	1.00%
Electricity	6.59	1.00%	1.00%	1.00%	1.00%	1.00%
Purchased Water	0.00	1.00%	1.00%	1.00%	1.00%	1.00%
Increasing/Decreasing Rates:						
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



Debt Service (PhP)

CARMONA WATER DISTRICT

Description	Base Year 2023	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
DEBT SERVICE						
Existing Loans						
Interest Payments	0	0	0	0	0	0
Principal Repayments	0	0	0	0	0	0
Total Payments Loan #1	0	0	0	0	0	0
New Capital Investments Loans						
Interest Payments	0	0	0	0	0	0
Principal Repayments	0	0	0	0	0	0
Total Payments Loan #2	0	0	0	0	0	0
Other Loans						
Interest Payments	0	0	0	0	0	0
Principal Repayments	0	0	0	0	0	0
Total Payments Loan #3	0	0	0	0	0	0
TOTAL LOANS						
Total Interest Payments	0	0	0	0	0	0
Total Principal Repayments	0	0	0	0	0	0
Total Loan Payments	0	0	0	0	0	0

FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



Revenue Needs (PhP)

CARMONA WATER DISTRICT

Description	Base Year 2023	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
Operation and Maintenance Costs						
Personal Services	8,253,166	8,335,698	8,419,055	8,503,245	8,588,278	8,674,161
Maintenance and Other Operating Expenses	55,571,592	56,127,308	56,127,308	56,127,308	56,127,308	56,127,308
Sub-Total	106,931,604	109,033,781	110,647,350	112,331,280	114,088,985	115,924,051
Debt Service						
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
Sub-Total	0	0	0	0	0	0
Capital Expenditures						
Capital Renewal Expenditures	0	0	0	0	0	0
Capital Repair and Replacement Reserve	1,000,000	1,700,000	1,500,000	1,700,000	1,500,000	0
New Capital Investment Reserve	15,203,000	32,080,000	19,680,000	6,380,000	20,380,000	0
Sub-Total	16,203,000	33,780,000	21,180,000	8,080,000	21,880,000	0
Subsidies						
Subsidies from Central/Local Government	0	0	0	0	0	0
Sub-Total	0	0	0	0	0	0
Total Revenue Needs	123,134,604	142,813,781	131,827,350	120,411,280	135,968,985	115,924,051
Collection Efficiency (% per Year)	95%	95%	95%	95%	95%	95%
Adjusted Total Revenue Needs with the Collection Efficiency	129,615,373	150,330,296	138,765,632	126,748,716	143,125,248	122,025,317
Debt Service Reserve						
(O&M Contingency+Debt Repayment Reserve+Capital Expenditures)	18,689,196	36,291,058	23,691,058	10,591,058	24,391,058	2,511,058
Total Debt Service Reserve (as % on Adjusted Total Revenue Needs)	14.58%	26.55%	17.27%	7.70%	17.67%	1.81%

FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



Pricing Strategy

CARMONA WATER DISTRICT

Description	Base Year 2023	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
Water Connections						
Individual Households	13,829	15,152	15,221	15,289	15,356	15,422
Public Faucets	0	0	0	0	0	0
Commercial	1,623	1,623	1,623	1,623	1,623	1,623
Institutional	96	96	96	96	96	96
Industrial	0	0	0	0	0	0
Sewer Connections						
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
Septage Management						
Households	13,829	15,152	15,221	15,289	15,356	15,422
Commercial	1,623	1,623	1,623	1,623	1,623	1,623
Institutional	96	96	96	96	96	96
Industrial	0	0	0	0	0	0
Non-Customers	6,907	7,059	7,214	7,373	7,535	7,701
Water Sales (m³/day)						
Retail	9,975	10,692	10,731	10,769	10,806	10,842
Bulk	0	0	0	0	0	0
Unit Consumption						
Per Capita Water Demand (lpcd)						
Individual Households	111	111	111	111	111	111
Public Faucets	0	0	0	0	0	0
Per Connection Water Demand (m³/day)						
Individual Households	0.56	0.56	0.56	0.56	0.56	0.56
Public Faucets	0.00	0.00	0.00	0.00	0.00	0.00
Commercial	1.22	1.22	1.22	1.22	1.22	1.22
Institutional	3.20	3.20	3.20	3.20	3.20	3.20
Industrial	0.00	0.00	0.00	0.00	0.00	0.00
Price Strategy (PhP)						
Water Service						
Volume for Minimum Charge (m ³ /connection/month)	10	10	10	10	10	10
Monthly Minimum Charge per Service Connection						
Individual Households	238.60	238.60	238.60	238.60	238.60	238.60
Commercial	477.20	477.20	477.20	477.20	477.20	477.20
Institutional	238.60	238.60	238.60	238.60	238.60	238.60
Industrial	0.00	0.00	0.00	0.00	0.00	0.00
Commodity Charges (/m³)						
Individual Households	36.76	36.76	36.76	36.76	36.76	36.76
Commercial	39.37	39.37	39.37	39.37	39.37	39.37
Institutional	30.60	30.60	30.60	30.60	30.60	30.60
Industrial	0.00	0.00	0.00	0.00	0.00	0.00
Monthly Flat Rate per Public Faucet	0.00	0.00	0.00	0.00	0.00	0.00
Bulk Water Tariff (/m³)	0.00	0.00	0.00	0.00	0.00	0.00
Sewerage Service (% of Water Bill)	0%	0%	0%	0%	0%	0%
Septage Management						
Customers (/m ³ of Water Consumed)	3.57	0.00	0.00	0.00	0.00	0.00
Non-Customers (flat rate)	0.00	0.00	0.00	0.00	0.00	0.00

FIVE-YEAR CAPITAL EXPENDITURE AND INVESTMENT FORECAST REVENUE NEEDS



Pricing Strategy

CARMONA WATER DISTRICT

Description	Base Year 2023	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
Revenues (PhP)						
Water Service						
Individual Households	81,797,524	89,374,914	89,784,562	90,186,588	90,582,267	90,970,585
Public Faucets	0	0	0	0	0	0
Commercial	30,015,343	30,014,772	30,014,772	30,014,772	30,014,772	30,014,772
Institutional	3,355,560	3,355,920	3,355,920	3,355,920	3,355,920	3,355,920
Industrial	0	0	0	0	0	0
Bulk	0	0	0	0	0	0
Minimum Charge						
Individual Households	39,595,193	43,382,461	43,581,303	43,776,446	43,968,508	44,156,997
Commercial	9,293,947	9,293,947	9,293,947	9,293,947	9,293,947	9,293,947
Institutional	274,867	274,867	274,867	274,867	274,867	274,867
Industrial	0	0	0	0	0	0
Commodity Charges						
Individual Households	42,202,331	45,992,454	46,203,259	46,410,142	46,613,759	46,813,588
Commercial	20,721,396	20,720,825	20,720,825	20,720,825	20,720,825	20,720,825
Institutional	3,080,693	3,081,053	3,081,053	3,081,053	3,081,053	3,081,053
Industrial	0	0	0	0	0	0
Sewerage						
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
Septage Management						
Households	9,908,755	10,856,524	10,906,285	10,955,120	11,003,184	11,050,353
Commercial	2,683,014	2,683,014	2,683,014	2,683,014	2,683,014	2,683,014
Institutional	400,418	400,418	400,418	400,418	400,418	400,418
Industrial	0	0	0	0	0	0
Non-Customers	0	0	0	0	0	0
Total Revenues by Type of Service						
Water	115,168,428	122,745,606	123,155,254	123,557,280	123,952,959	124,341,277
Sewerage	0	0	0	0	0	0
Septage Management	12,992,187	13,939,956	13,989,717	14,038,552	14,086,615	14,133,785
Others	0	0	0	0	0	0
Total Revenues (from Price Strategy)	128,160,615	136,685,562	137,144,971	137,595,832	138,039,574	138,475,062
Adjusted Total Revenue Needs with the Collection Rate	129,615,373	150,330,296	138,765,632	126,748,716	143,125,248	122,025,317
Annual Cash Flow Surplus	-1,454,758	-13,644,734	-1,620,661	10,847,116	-5,085,674	16,449,745
Accumulative Cash Flow Surplus	188,127,851	174,483,117	172,862,456	183,709,573	178,623,899	195,073,644

ACCOMPLISHED PROGRAMS AND PROJECTS FY 2022

Program/Project	Supplier	PMO/End-User	Mode of Procurement	Beneficiaries	Approved Budget for the Contract	Contract Cost	Project Status	Remarks
Supply and Delivery of Various Fittings and Materials for Lot A	J B Janz Marketing	ENG. DIV.	Public Bidding	Carmona Water District	1,055,220.00	1,049,628.12	Completed	
Supply and Delivery of Two (2) Unit Motorcycle	Speedsonic Inc.	COM. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	140,000.00	124,200.00	Completed	
Supply and Delivery of Service for On-Site Calibration of Fourteen (14) Unit Flow Meter	LKT Corporation	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	53,400.00	53,400.00	Completed	
Supply and Delivery of Service for Physical Chemical and Microbiological Testing for FY2022	COSMOLAB Laboratories, Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District Concessionaires	171,450.00	155,600.00	Ongoing	
Supply and Delivery of DPD Reagent for Chlorine Dioxide	Interlab Analytics and Scientific Supplies, Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District Concessionaires	325,945.00	325,468.00	Completed	
Supply, Delivery and Installation of Three (3) Unit Automatic Voltage Regulator	LSI Leading Technologies Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	1,000,000.00	955,000.00	Completed	
Supply and Delivery of Three (3) Unit Variable Frequency Drive	Flow Harmonic Commercial, Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	550,000.00	315,000.00	Completed	
Site/Road Development Works with Drainage for Septage Treatment Facility	Chemical Research Products Industrial Sales, Inc.	ENG. DIV.	Adjacent Negotiated Procurement	Carmona Water District	2,800,000.00	2,500,000.00	Completed	
Supply and Delivery of One (1) Unit Motorcycle with Sidecar	Speedsonic Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	97,000.00	95,500.00	Completed	
Supply and Delivery of One (1) Unit Breaker Hammer with Anti Vibration Technology (AVT)	RMTS (Reliable Modern Tools Supply) Co. Ltd.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	109,000.00	103,400.00	Completed	
Renewal of WaterCAD Subscription through Direct Contracting as Alternative Method of Procurement	BSPH Marketing	ENG. DIV.	Direct Contracting	Carmona Water District	130,000.00	109,760.00	Completed	
Supply and Delivery of Four (4) Unit Desktop Computer	Zafeera Merchandising	COM. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	160,000.00	157,200.00	Completed	
Design, Construction and Improvement of Carmona Water District Office Building	Protech Construction and Development Corp.	ENG. DIV.	Public Bidding	Carmona Water District Concessionaires	35,000,000.00	34,761,953.07	Ongoing	
Supply and Delivery of Materials for the Installation of Flowmeter	JB Sachi Marketing Corp.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	97,050.00	92,770.56	Completed	
Supply and Delivery of Laboratory Equipments for CWD Septage Treatment Plant	Chemical Research Products Industrial Sales, Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	750,000.00	620,000.00	Completed	
Supply and Delivery of Security Services for CWD Office Building and Septage Treatment Plant	Aviter Top of the Line Security Investigation Specialist	ADM. DIV.	Public Bidding	Carmona Water District	1,811,224.80	1,187,761.92	Ongoing	
Supply and Delivery of Water Meter	Philippine Valve Manufacturing Co.	ENG. DIV.	Public Bidding	Carmona Water District	2,275,000.00	2,234,400.00	Completed	
Supply and Delivery of Desktop and Laptop Computer	Zafeera Merchandising	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	141,000.00	140,000.00	Completed	
Supply and Delivery of Carbonless Continuous Form with Letterhead	Forms International Enterprises Corporation	COM. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	201,500.00	158,600.00	Ongoing	
Supply and Delivery of Fluorinated Ethylene Propylene (FEP) Tube	Flow Harmonic Commercial, Inc.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	65,000.00	65,000.00	Completed	
Supply and Delivery of Office Supplies for FY 2022	Mostaco Marketing	ALL	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	193,091.99	192,900.00	Completed	
Supply and Delivery of Materials for the Installation of Flow Meter & Re-Pipeline of Distribution Line	JB Sachi Marketing Corp.	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	305,260.00	304,937.58	Completed	
Supply and Delivery of Three (3) Unit Submersible Deepwell Pump and One (1) Unit Submersible Motor	Gotesco Water Solutions	ENG. DIV.	Negotiated Procurement - SVP(Sec. 53.9)	Carmona Water District	700,000.00	370,000.00	Ongoing	

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 ACTIVITIES	EXPECTED OUTCOME	TIME FRAME / BUDGET ALLOCATION				
				2023	2024	2025	2026	2027
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	2,520,000	3,750,000	4,000,000	4,250,000	4,500,000
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 or re-drilling activity	For sufficient water supply demand even with continuous increase in demand	11,000,000	13,000,000	14,000,000		15,000,000
		Procurement of lot				2,000,000		
Shut down of Pumping Station due to power interruption	To ensure continuous service during power interruption/outages	Periodic Preventive Maintenance of Generator Sets	Efficient and continuous water service even with power interruption	96,000	150,000		200,000	
		Procurement of additional generator sets	Efficient and continuous water service even with power interruption	1,400,000	1,700,000		2,000,000	
		Procurement of Solar Panel with complete accessories						5,000,000
A need for additional pressure on water system	To provide better water supply by increasing the water pressure	Construction of Elevated/Ground water Tank	Increase in water pressure in the system to provide water supply in high rise establishments		7,000,000			
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 service vehicles	Immediate response maintenance activities such as repair of leakages, new meter installation and other related activities	150,000		300,000	1,500,000	
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	350,000		400,000		500,000
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, underground borehole camera and other data logging equipment	Purchase of leak detection equipment, Automation of Pumping Stations' monitoring	Improve water services by lessening the leakages and provide increase of water pressure in the system.		2,000,000		2,500,000	
		Procurement of underground borehole camera	Ensure correct maintenance on deep wells		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		5,000,000			
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	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000

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 ACTIVITIES	EXPECTED OUTCOME	TIME FRAME / BUDGET ALLOCATION				
				2023	2024	2025	2026	2027
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	350,000		400,000		500,000
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, underground borehole camera and other data logging equipment	Purchase of leak detection equipment, Automation of Pumping Stations' monitoring	Improve water services by lessening the leakages and provide increase of water pressure in the system.		2,000,000		2,500,000	
		Procurement of underground borehole camera	Ensure correct maintenance on deep wells		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		5,000,000			
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	1,000,000	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		200,000		200,000	
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 and operations	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				
				2023	2024	2025	2026	2027
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				
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.	Purchase new motor vehicle	More effective and efficient way of meter reading, bill and letter serving.	160,000.00	80,000.00	80,000.00	80,000.00	80,000.00
Trouble printing and fully depreciated printer.	To replace old and defective printer.	Purchase new printers.	Easy and efficient printing of official receipts and various documents.	70,000.00	100,000.00	100,000.00	100,000.00	100,000.00
Fully depreciated computers.	To replace outdated and defective computer.	Purchase new computers.	Fast and reliable use of computers. Boost efficiency and productivity among staffs.	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00
Defective Read and Bill device	To replace defective Read and Bill device	Purchase new read and bill device	More effective and efficient way of meter reading	123,000.00				
Outdated Billing and Collection System	To improve the Billing and collection system	Invest to a new and advanced Billing and Collection system	More accurate and efficient processing of Billing and collection			2,500,000.00		
Long line and waiting time of Customers in customer service and collection section	To control and organize the flow of customers	Invest to Queueing Management System	Improved service quality and comfortable customers		1,500,000.00			

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				
				2023	2024	2025	2026	2027
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 2,000,000.00			
Computer units: Fully depreciated; System requirements do not meet the latest/newest version; Outdated operating system.	To increase productivity of Admin/Finance personnel	Procurement of two (2) units of computer including printers and other hardwares	Two (2) units of computer including other hardwares such as UPS, printers, etc.	P 100,000.00				
Lack of Stacking/steel rack for new warehouse office	To efficiently use the spaces in new warehouse office for the inventory management	Procurement of stacking/steel rack for warehouse inventory	Strategically constructed Stacking/Steel Rack for new Warehouse Office	P 1,000,000.00				
Outdated Inventory System	To have a reliable system that will help improve the inventory management	Improvement of Inventory Management System such as daily inventory of materials issued, inventory stock card, materials inventory reconciliation, etc.	Inventory Management System		P 500,000.00			
Lacking of IT Personnel in Admin/Finance; Digitalization of HR/Admin processes	To have an IT Personnel responsible for the Digitalization of HR/Admin Processes and other management systems	Hiring of an IT Personnel	Hired an IT Personnel that is responsible for the digitalization and maintenance of HR/Admin processes and other management systems		P 1,000,000.00			
Lack of Accounting Management System	To have a reliable system that will help improve the accounting processes	Purchase of Accounting Management System	Accounting Management System			P 500,000.00		
Repair/Worn-out/faded paint of Old Office Building	To repaint the CWD Office Building to be more appealing and comfortable to concessionaires and improve working environment for the employees	Repainting of Old Office Building	Newly repainted Old Office Building	P 1,000,000.00				
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 500,000.00			

THE FIVE-YEAR DEVELOPMENT PLAN

PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

GENDER AND DEVELOPMENT

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				
				2023	2024	2025	2026	2027
Lack of opportunity to learn about GAD and core messages	To raise awareness and understanding of both all concessionaires (regardless of gender) on GAD concepts, issues, programs and legal mandates	Establishment and maintenance of GAD Corner in conspicuous area for concessionaires	GAD Corner is established and updates are posted every quarter	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00
Lack/supply of equipment for Lactation Station/Facility	To be able to provide safe, secure, comfortable and convenient place to female concessionaires/employees in doing their motherly duties	Procurement of equipment such as not limited to lavatory, Refrigerator for milk storage, chair, table, wall-mounted foldable bed, etc.	Lactation Station/Facility is equipped with adequate apparatus to accommodate nursing mothers	200,000.00		200,000.00		200,000.00
Insufficient/refresher training on GAD Plan and Budget (GPB) to integrate gender concerns in the design, management, implementation, monitoring and evaluation of the agency's programs and projects.	To increase the level of awareness and strengthen skills on government mandates about Gender and Development to process change towards good and gender-responsive governance.	Training on gender responsive GAD Planning and Budgeting for Water Utilities and Sanitation	The Board of Directors, General Manager and GFPS members attended the training within 2023	80,000.00		80,000.00		80,000.00

THE FIVE-YEAR DEVELOPMENT PLAN

PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

OCCUPATIONAL SAFETY AND HEALTH

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				
				2023	2024	2025	2026	2027
Lack of laboratory equipment	To have appropriate equipment to measure the water quality	Procurement of Laboratory equipment	CWD have its own laboratory equipment to ensure that the water supplied to the concessionaires are safe, adequate and potable		2,000,000.00			
Lack/supply of proper personal protection equipment (PPEs) for field personnel	To have appropriate equipment to be used by the field personnel	Procurement of equipment such as but not limited to reflectorized vest strap, boots, helmets, fire alarms, hospital bed and first aid kits	Field Personnel are equipped with proper personal protection equipment (PPEs) and tools to eliminate hazard during fieldworks	250,000.00	250,000.00	250,000.00	250,000.00	250,000.00
Lack of program for health and wellness for employees	To be able to monitor employees health status and to address any health concern	Conduct of annual medical check-up for all CWD employees	Ensure overall wellness of CWD employees	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00
Lack of onsite clinic, equipment and personnel	To be able to bring and accessible health care to employees	Procurement of necessary medical equipments for an onsite clinic and hiring of medical personnel to attend to the health care needs of the employees	CWD employees enjoyed the convenience of clinics, routine checkups, early detection of illnesses, avoid hospitalization and save money		1,000,000.00			

THE FIVE-YEAR DEVELOPMENT PLAN

PRIORITY ISSUE TO BE ADDRESSED BY THE CONCERNED DIVISION

DISASTER RISK REDUCTION MANAGEMENT

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				
				2023	2024	2025	2026	2027
Lack/stock of emergency supplies	To have appropriate of stocks of supplies to be used in emergency situations such as but not limited to: flashlight, emergency whistle, first aid kit, can food, go bag, etc.	Procurement of emergency supplies	CWD DRRM personnel are prepared and ready to respond to emergency situations	150,000.00	150,000.00	150,000.00	150,000.00	150,000.00
Lack of communication device (E.g. Two-way radio)	To have a communication device to be used to request for assistance and/or respond to emergency situations	Procurement of Two-way Radio	CWD DRRM personnel are equipped with communication device that can be used during emergency situations		50,000.00			
Lack of equipment for response and rescue activities	To have appropriate equipment for any emergency situations such as but not limited to: spilling kit, turbidity meter, fire alarm, etc.	Procurement of emergency equipment	CWD DRRM personnel are equipped with appropriate tools and machineries to respond to emergency situations	1,125,000.00				
Lack of training and/or awareness to respond to emergency situations	To increase the level of awareness and knowledge of CWD employees to effectively respond to emergency situations	Training and posting of information, education and communication (IEC) campaign within the working area	CWD Employees are equipped with knowledge on how to calmly respond and reduce the hazard during emergency situations	100,000.00		100,000.00		100,000.00



REPUBLIC OF THE PHILIPPINES
CARMONA WATER DISTRICT

(LWUA CC No. 561)

ISO Certificate No. 80132/A/0001/UK/En

B8 L8 Joy St., Cityland Subd., Brgy. Mabuhay, Carmona, Cavite

Tel No. (046) 430-0832 / Fax No. (046) 430-1705

E-add: carmonawd@yahoo.com

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



(046) 430-0832



www.carmonawd.gov.ph



/carmonawd41797