

Cobar Water Board

**2018-2019
ANNUAL REPORT**

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Introduction

Cobar Water Board is a statutory authority established in 1963 under an Act of Parliament. The Board was established with the purpose of supplying bulk water to Cobar Shire Council (for subsequent treatment and distribution by that body to the town of Cobar) and the local mining companies.

Mining companies currently supplied with water from the Cobar Water Supply Scheme are Endeavor Operations Pty Ltd, Cobar Management and Peak Gold Mine.

The scheme also supplies water to other “minor” consumers, as approved by the Board.

Charter of the Board

Cobar Water Board is administered under the Water Management Act 2000. In accordance with this legislation, the Board is empowered to:

- Construct, maintain and operate works;
- Provide raw water by metered bulk supply to Cobar Shire Council, mining companies and other consumers approved by the Board;
- Carry out any activities for enabling the objects of the Act to be obtained, which include to provide for the integrated and sustainable use of water sources for the benefit of present and future generations; and
- Undertake any other activities or functions as are conferred and imposed upon it by the Act.

When exercising its functions the Board must have regard to the following:

- The efficient use of water resources;
- The principles of ecologically sustainable development (ESD);
- Public interest and present and future community needs;
- Environmental protection, pollution control and prevention;
- Best practice in the planning, management and operation of assets; and
- The efficient and effective management and use of natural, human and financial resources.

Aims & Objectives

Cobar Water Board aims to supply raw water at best value, at the rate of flow at times required by its major consumers. The complementary objective is to monitor projected demands, system conditions and the need for additional works and maintenance to ensure that the primary aim can be met through effective planning and management.

Cobar Water Board also aims to ensure that the operations of the Board are financially viable, ethical and are conducted in a manner which is consistent with the principles of ESD.

A Code of Conduct (see Appendix A) and a Guarantee of Service (see Appendix D) clearly define desired standards of efficiency, integrity and service.

History

Cobar is located in an area of rich mineral deposits and is a thriving outback town largely dependent on the mining industry for its continuing prosperity. The town has demonstrated sustained growth over a period of several years, and now has a claim to be considered as a regional centre. The area is arid and more than 140 kilometres from any permanent watercourse.

Up until 1963, regular water restrictions and frequent failure of supply, with consequent rail cartage of water from Nyngan, were an unfortunate fact of life in Cobar. The shortage in water restricted growth of the town and expansion of the mining activity.

With the proclamation of the Cobar Water Supply Act in 1963, Cobar Water Board came into existence with a charter to provide an adequate supply of bulk water to the Cobar Shire Council and the local mining companies, a goal it has never failed to achieve.

The first mining company to be serviced by the scheme was Cobar Management Pty Ltd (formerly Cobar Mines Pty Ltd). This was followed by Endeavor Mine in the early 1980's. In 1992, Peak Gold Mine began production. The water supply system has been greatly expanded in both capacity and complexity in recent years to meet the increased demands of the mining companies and the expansion of the town.

The Board is unique among statutory authorities in that the principal source of income derives from the private sector, which also is the major consumer of water supplied. The total cost of operations and capital costs are met by the consumers.

Description of the System

The Board's principal source of water is the Bogan River at Nyngan, where water is stored in a series of pools known as the Bogan Storages. The storages are formed by a weir (the Overshot Weir) and several earthen embankments. The Bogan River is an ephemeral stream, and is generally inadequate to meet the needs of the Board, Nyngan town and approved irrigators. Security is better assured by a connection to the Burrendong Dam via the Macquarie River at Warren through the Albert Priest Channel. Each user holds a Water Allocation Licence to ensure this supply. This channel is an approximately 70 kilometres long earth channel and was constructed in 1942. The channel discharges flows into the upper reaches of the Bogan Storages.

From Nyngan, the Board pumps water through parallel pipelines some 130 kilometres to a 1.14 ML reservoir at Fort Bourke Hill, Cobar. Hermidale booster pumping station, located mid-way along the pipelines, is in operation to increase the rate of flow to assist in the transfer of water. Raw water is distributed from Fort Bourke Hill Reservoir directly to the adjacent Council filtration plant, and to terminal storages located four (4) kilometres North West of Cobar. In an emergency, a limited quantity of water may be directed by gravity flow to the service reservoirs at the mines.

A pumping station at the Cobar Storages services the requirements of the mining companies. Water from the storages may also be pumped back to Fort Bourke Hill Reservoir in the event of failure of supply from Nyngan or to maximise the efficiency of system operation.

The Cobar Storages have a small catchment area. Following periods of significant rainfall and resultant run off, the quantity of water pumped from Nyngan can be reduced substantially, achieving considerable savings in power costs. The storages also ensure that an adequate supply can be maintained without interruption to the mining companies and Council during repairs, maintenance or modifications of main line pumping equipment, pipelines, or the Bogan River Storages. By acting as a buffer [storing or releasing water in accordance with variations in demand] operational management of the scheme is simplified and made more efficient.

The principal components of the Board's system are:

- ✓ Intake Works at Bogan River, Nyngan;
- ✓ Three (3) Pumping Stations;
- ✓ Catchment Area and Storages at Cobar;
- ✓ Four (4) Reservoirs
- ✓ Over 350 Kilometres of Pipeline.

Agreements

The relationship between the Board and the Major Consumers (Cobar Shire Council, Peak Gold Mine, CSA Mine and Endeavor Operations Pty Ltd) is regulated by a formal agreement, which defines the obligations and liabilities of all parties. The most recent agreement came into force in 1992.

An agreement exists between Bogan Shire Council, Cobar Water Board and the Albert Priest Channel Association for the purpose of defining responsibilities and allocating construction and maintenance costs for the Albert Priest Channel. The latest Albert Priest Channel Agreement became effective on 29 July 1989.

An agreement exists between the Board and Bogan Shire Council for the control and funding of the Overshot Weir works on the Bogan River at Nyngan. This agreement was signed in 1970.

Impacts & Initiatives

GENERAL

The Board is facing continual challenges in respect to future infrastructure upgrades, continuing growth and expansion of mining activities and the need to ensure an efficient, effective and secure water supply. This section provides an outline of some of the events that are expected to impact on the Board's activities, as well as the initiatives that the Board has, or is about to undertake.

WATER ALLOCATION

Changes to water management legislation in NSW mean that the Board is now unable to seek an increase in the allocation of water from the Macquarie River to meet expanding industrial (e.g. mining) demands. Should the Board, or other water user, require water for industrial purposes in addition to its existing entitlement, it will need to engage in trading and purchase water from other licensed holders.

SERVICE DELIVERY

The Board has continued to engage Cobar Shire Council to provide the Technical/Operational and Administrative/Financial management of Cobar Water Board on an agreement basis.

Budgetary processes have been revised and improved and the audit of the annual accounts has resulted in no adverse comment or instruction from the Auditor.

CONSULTANTS DISCLOSURE

During 2018/2019 several consultants were engaged to carry out works on behalf of Cobar Water Board and provide the necessary reports:

- NSW Public Works to undertake professional consultancy work for the investigation, design, documentation, tendering and site supervision for the Cobar Water Supply Pipeline Replacement and Pumping System Upgrade Project;
- NSW Public Works with assistance from Cobar Shire Council to undertake the Project Management Work for the Cobar Water Board Pipeline Replacement and Pumping System Upgrade Project;
- Energy Management Services to provide advice on electricity costs for preparation of Budgets and monitoring of energy costs through the board's electricity supplier using E21 Energy Plus.

MULTICULTURAL POLICIES & SERVICES PROGRAM

Cobar Water Board does not have any staff, nor does it plan to engage any in the future. All Administration and Technical duties are performed by Cobar Shire Council, with whom Cobar Water Board has an Administration/Technical Agreement.

All legislative requirements, as set out in the *Annual Reports (Statutory Bodies) Regulation 2010*, are covered by Cobar Shire Council.

WORK HEALTH AND SAFETY

As part of the Board's ongoing commitment to Work Health and Safety, all contract staff have been made aware of the amendments to the Work Health and Safety Act 2011, Local Government Act 1993 and the Protection of the Environment (Operations) Act 1997.

The Board reports no incidents or accidents for the 2018/2019 financial year.

GOVERNMENT INFORMATION (PUBLIC ACCESS) ACT 2009

No formal access applications were received during the 2018/2019 reporting period, nor were there any withdrawn applications.

EQUAL EMPLOYMENT OPPORTUNITY

Whilst Cobar Water Board has no employees, the Board continues to foster Equal Employment Opportunity principles in terms of the Board's membership.

All parties to the Board nominate a representative who is then appointed by the Minister for Primary Industries. The Board makes no recommendation to the parties who should be nominated for appointment. The Board consists of 5 men and 1 woman as board members.

GOVERNMENT ENERGY MANAGEMENT POLICY

In accordance with the Premier's Memorandum 98-35, the Board has formally adopted the NSW Government Energy Management Policy, with the Secretary being the Energy Manager.

Energy management goals and performance indicators are being developed in consultation with the Energy supplier.

PUBLICATIONS

The 2017/2018 Annual Report and the 2017/2018 GIPA Annual Report were the only publications produced for the public during 2018/2019, and are available from the Secretary upon request.

The Annual Report and GIPA Annual Report are printed 'in house' with no external production costs. The Annual Report and GIPA Annual Report are also available on Cobar Shire Council's website at www.cobar.nsw.gov.au.

RISK MANAGEMENT AND INSURANCE

Whilst it is not believed appropriate to insure against what are generally considered 'business' risks, action has been taken to identify and effect adequate insurance cover in respect of all major operating risks particularly in areas of industrial special risks, public and products liability, broad form fidelity, and personal accident.

As at the 30 June 2019 the Board has obtained re-insurance of all existing policies.

Consumers

MAJOR CONSUMERS

Cobar Shire Council	Council treats water at its filtration plant and supplies the township of Cobar.
Endeavor Operations Pty Ltd	Uses water for mining activities at the Endeavor Mine.
Peak Gold Mine	Uses water for mining activities at the Peak Gold Mine.
CSA Mine	Uses water for mining activities at the CSA Mine.

MINOR CONSUMERS

With the approval of the Board, owners whose properties lie adjacent to the pipeline and are outside the town area may be provided with a connection from the Board's pipelines under the corresponding Shires licence. They may utilise the raw water, when available, for domestic and stock watering purposes.

Such users are metered and charged directly to Cobar Shire Council and Bogan Shire Council.

PAYMENT FOR WATER USED

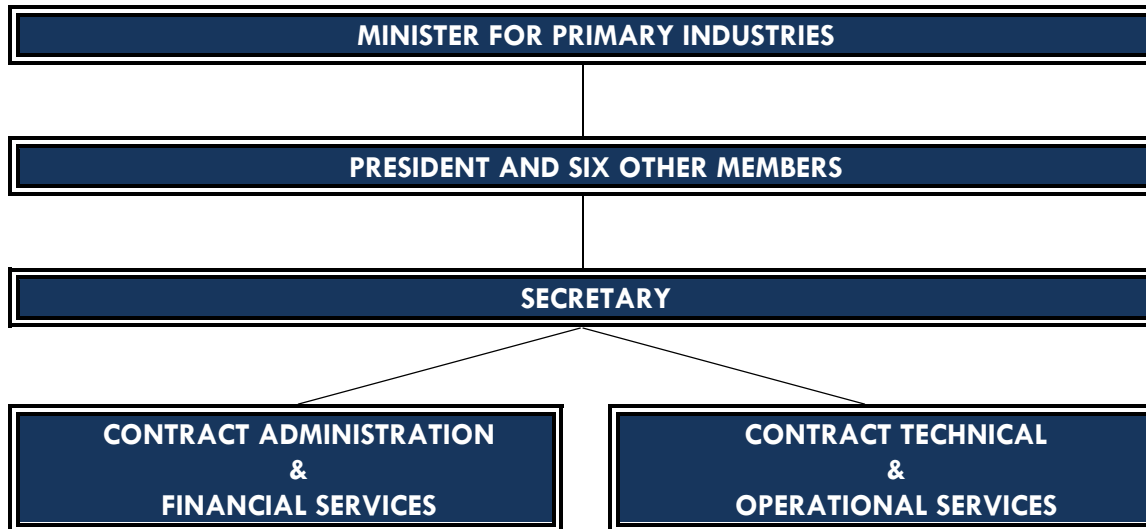
All users are metered, and pay for water on a basis that fully embraces 'user pays' principles and avoids any cross subsidisation.

Management & Structure

ACCESS

The Board does not maintain a permanently staffed office. Its administrative records are located with the Secretary. During 2018/2019, the Secretary was the General Manager of Cobar Shire Council. Cobar Shire Council also undertook the administrative/financial and technical/operational support and supervision functions of the Board on a fee for service basis.

To facilitate access, enquiries about the Board's activities are handled by Cobar Shire Council, which ensures availability of information to the public during normal business hours (8.00am to 4.30pm).



Board Membership

Board membership is defined under the Water Management Act 2000. The Act states that the Board is to consist of seven (7) part-time members appointed by the Governor. Three of the members are to be nominated by Cobar Shire Council; three are to be selected by the Minister for Primary Industries from persons nominated by the mining companies and the President of the Board is appointed by the Governor based on nominations provided to the Minister.

MEMBERSHIP OF COBAR WATER BOARD 2018/2019

MEMBER	APPOINTED TO	DETAILS
Mr Doug McKay President	25 May 2021	Independently nominated Board President.
Mr Peter Abbott Cobar Shire Council	4 May 2021	Mr Abbott is a Councillor of 'The Council of the Shire of Cobar'
Mr Phil Gilligan Endeavor Operations Pty Ltd	3 December 2019	Mr Gilligan is the Safety Health and Environmental Manager of Endeavor Operations Pty Ltd.
Mrs Lilliane Brady OAM Cobar Shire Council	16 December 2021	Mrs. Brady is a Councillor and Mayor of the Shire of Cobar
Mr H. G. P. Yench Cobar Shire Council	16 December 2021	Mr Yench is a Councillor of 'The Council of the Shire of Cobar'
Mr. Tom Martin Peak Gold Mine	Resigned June 2019	Mr Martin is the Electrical Superintendent of Peak Gold Mines Pty Ltd.

Peter Vlatko General Manager of Cobar Shire Council acts as the Board's Secretary.

Board Meetings

Four meetings of the Board were held in the twelve month period to 30 June 2019.

MEMBER	19.09.18	15.11.18	28.02.19	13.06.19
D. McKay	-	√	√	√
G. Yench	√	√	√	-
P. Abbott	√	√	√	√
L. Brady OAM	√	√	√	√
T Martin	-	-	√	√
P. Gilligan	-	√	√	-

Board Officers as at 30 June 2019

OFFICER	POSITION	DETAILS
Mr. Peter Vlatko	Secretary	Mr. Vlatko is the General Manager, Cobar Shire Council, appointed as the Board's Secretary.
Simon Pradhan	Contract Technical Services	Mr. Pradhan is the Acting Director of Engineering Services, Cobar Shire Council.
Mr. Kym Miller	Contract Administration/ Financial Services	Mr. Miller is the Director of Finance and Community Services, Cobar Shire Council.

Board Employees

Cobar Shire Council commenced to perform the administrative/financial and technical/operational functions of the Board on a contractual basis on 2 January 1996. This arrangement has continued in the 2018/2019 financial year, with the Board continuing to have no employees. Peter Vlatko General Manager of Cobar Shire Council is appointed the Board Secretary.

Finance

Loans

The Board has no loans as at the 30 June 2019.

Review of Operations

Provision of Services

Requests for service generally relate to enquiries from the Major Consumers about water supply to their facilities. Cobar Shire Council staff are contracted to handle all such enquiries directly, including out-of-hours calls that relate to interruption to supply or other supply difficulties. Matters of policy on the provision of service are determined at Board Meetings.

Performance Indicators

Two specific qualitative performance indicators are currently used to assist in monitoring the performance of the Board:

Distribution Reliability	Measured by the number of unplanned interruptions, which are defined as an unplanned interruption of supply of more than thirty [30] minutes to an end user [e.g. a consumer or mining operation, but not delivery to a reservoir].
Consumer Satisfaction	Measured by the number of consumer complaints, which are defined as any complaint from consumer relating to the provision of service from the Board's operations.

The targets set have been based on an analysis of past performance and take into account the operational improvements made in recent years.

DISTRIBUTION RELIABILITY (NUMBER OF INTERRUPTIONS)

	2016/2017	2017/2018	2018/2019
TARGET	0	0	0
ACTUAL	0	0	0

CONSUMER SATISFACTION (NUMBER OF COMPLAINTS)

	2016/2017	2017/2018	2018/2019
TARGET	0	0	0
ACTUAL	0	0	0

Operational Statistics

WATER CONSUMPTION (ML)

CONSUMER	2016/2017	2017/2018	2018/2019
Cobar Shire Council	1,218	1,395	1,148
Peak Gold Mine	626	474	487
Endeavor Operations Pty Ltd	416	726	886
Cobar Management Pty Ltd	899	933	919
Minor Consumers	43	60	38
TOTAL (Megalitres)	3,202	3,588	3,478
Water Pumped From Nyngan (ML)	3,918	4,034	3,756

HIGHEST MONTHLY CONSUMPTION (ML)

CONSUMER	2016/2017	2017/2018	2018/2019
Cobar Shire Council	171 (Dec)	212 (Jan)	162 (Jan)
Peak Gold Mine	82 (Jul)	67 (May)	73 (Dec)
Endeavor Operations Pty Ltd	64 (Nov)	73 (May)	122 (Aug)
Cobar Management Pty Ltd	143 (Jan)	92 (Jul)	108 (Jan)
All Consumers	406 (Dec)	410 (Jan)	420 (Dec)

RAINFALL AND RUNOFF

COBAR STORAGE CATCHMENT AREA	2017/2018	2018/2019
Rainfall (mm)	172	248
Runoff (ML)	0	0

NOTE: Average rainfall for Cobar is 390mm.

Operating Budget 2018/2019

ADMINISTRATION, OPERATION AND MAINTENANCE EXPENDITURE

DESCRIPTION	ESTIMATE TO 30/6/19	ACTUAL TO 30/6/19	ESTIMATE TO 30/6/20
Administration	432,550	444,842	357,800
Operations Maintenance	4,517,070	5,619,803	4,983,706
Total	4,949,620	6,064,644	5,341,506
ADMINISTRATION			
Members Allow and Exp.	9,550	9,210	9,550
Contract - Admin/Finance	260,000	260,000	274,000
Audit Fees	27,000	27,800	27,000
Insurance	33,000	43,035	45,000
Other	103,000	104,797	2,250
ADMINISTRATION SUB TOTAL	432,550	444,842	357,800
SYSTEMS OPERATIONS AND MAINTENANCE COSTS			
NYNGAN PUMP STATION			
Contract Supervision	11,736	18,189	11,992
Mechanical	50,000	62,780	100,000
Contract - Service	75,703	87,246	101,471
Electricity	700,000	590,409	550,000
Other	6,000	427,645	5,000
SUB TOTAL	843,439	1,186,269	768,463
HERMIDALE PUMP STATION			
Contract Supervision	1,619	2,493	2,334
Mechanical	50,000	80,083	100,000
Contract - Service	10,442	19,943	19,749
Electricity	400,000	535,725	550,000
Other	2,000	488,189	1,000
SUB TOTAL	464,061	1,126,433	673,083
STORAGES			
Contract Supervision	8,498	13,247	5,272
Mechanical	50,000	70,784	100,000
Contract - Service	54,819	34,090	44,606
Electricity	350,000	252,133	300,000
Other	40,800	66,088	12,000
SUB TOTAL	504,117	436,342	461,878
COBAR RESERVOIR			
Other	2,000	1,132	2,000
SUB TOTAL	2,000	1,132	2,000
GRAVITY MAINS			
Contract Supervision	405	609	80

Other	4,610	9,114	7,681
SUB TOTAL	5,015	9,723	7,761
APC MAINTENANCE			
APC Maintenance	200,000	324,386	280,000
SUB TOTAL	200,000	324,386	280,000
PIPELINE NYNGAN - COBAR			
Contract Supervision	11,736	18,395	11,992
Mechanical	150,000	99,192	300,000
Contract - Service	75,703	30,086	101,471
Other	32,000	17,087	2,000
SUB TOTAL	269,439	164,760	415,463
PIPELINE CANBELEGO			
Contract - Service	5,809	2,111	1,142
Other	5,221	31	5,000
SUB TOTAL	11,030	2,142	6,142
PUMPS CSA			
Contract Supervision	1,214	1,847	1,489
Contract - Service	7,831	5,589	12,599
Other	2,000	168	2,000
SUB TOTAL	11,045	7,603	16,088
PUMPS ENDEAVOR			
Contract Supervision	1,214	1,814	1,690
Contract - Service	7,831	7,631	14,301
Other	2,000	1,345	2,000
SUB TOTAL	11,045	10,790	17,991
PUMPS FORT BOURKE HILL			
Contract Supervision	3,237	10,126	5,272
Contract - Service	20,884	29,927	2,000
Other	2,000	4,971	44,606
SUB TOTAL	26,121	45,024	51,878
MISCELLANEOUS			
Vehicle Expenses	40,000	26,854	25,000
Project Management	0	4,918	
SUB TOTAL	40,000	31,772	25,000
DEPRECIATION			
Water Supply Works	2,124,128	2,253,328	2,252,328
Plant and Equipment	5,630	20,098	5,630
SUB TOTAL	2,129,758	2,273,426	2,257,958
SYSTEMS OPERATIONS AND MAINTENANCE COSTS SUB TOTAL	4,517,070	5,619,803	4,983,706
TOTAL	4,949,620	6,064,644	5,341,506

Appendix A



Code of Conduct

COBAR WATER BOARD

CODE OF CONDUCT

Cobar Water Board is a statutory authority established to supply bulk water to Peak Gold Mine, Endeavor Mine, and Cobar Shire Council (for subsequent treatment and distribution by that body to the town of Cobar) and to be responsible for administration of its area in accordance with the applicable legislation. It must do that in the best interests of its major consumers, as well as the public in general.

The public is entitled to expect that:

- the business of the Board is conducted with efficiency and integrity;
- members and contractual staff obey the spirit and letter of the law, and in particular, the provision of all relevant statutes, regulations and instruments;

CONFLICT AND DISCLOSURE OF INTEREST

CONFLICT OF INTEREST

- a) Members and contractual staff shall ensure there is no conflict or incompatibility between their personal interests and the impartial fulfillment of their public or professional duties.
- b) Contractual staff shall not knowingly engage in private work with or for any person or body with an interest in a proposed or current dealing with the Board, without first making disclosure to the Secretary or the Board. In this respect, it does not matter whether advantage is in the fact obtained, as any appearance that private dealings could conflict with performance of public duties must be scrupulously avoided.
- c) Contractual staff shall notify the Secretary or the Board prior to undertaking a dealing in land in the area of the Board (other than purchasing or selling the principal place of residence), and shall obtain written approval from the Secretary or Board prior to engaging in any outside employment or other business dealings that relate to the activities of the Board.
- d) Contractual staff undertaking regulatory, inspectorial, recruitment or other discretionary functions shall make disclosure before dealing with relatives or persons with whom they are closely associated and, whenever possible or in doubt, shall disqualify themselves from dealing with those persons.

PERSONAL BENEFIT

USE OF CONFIDENTIAL INFORMATION

Members and contractual staff shall not use confidential Board information, to gain advantage for themselves or for any other person or body, in ways which are inconsistent with their obligation to act impartially, or properly to cause harm or detriment to any person, body or the Board.

IMPROPER OR UNDUE INFLUENCE

Members and contractual staff shall not take advantage of their position to improperly influence other members or contractual staff in the performance of their duties or functions, in order to gain undue or improper (direct or indirect) advantage or gain for themselves or for any other person or body.

GIFTS AND BRIBERY

- a) Members and contractual staff shall not seek or accept (directly or indirectly) from any person or body, any immediate or future gift, reward or benefit (other than a token kind, or moderate acts of hospitality) for themselves or for any other person or body, relating to their status with the board, or their performance of any duty or work which touches or concerns the board.
- b) If any gift, reward or benefit other than of a token kind, or moderate acts of hospitality, is offered, disclosure must be made in a prompt and full manner to the Secretary or the President.

PERSONAL BEHAVIOUR OF MEMBERS AND CONTRACTUAL STAFF

CONDUCT OF MEMBERS AND CONTRACTUAL STAFF

Members and contractual staff shall;

- a) act properly and in accordance with the requirements of the law and the terms of this Code;
- b) act in good faith (i.e. honestly, for the proper purpose, and without exceeding their powers) in the interests of the Board and the community;
- c) make no allegations which are unseemly or derogatory unless true, in the public interest and pertaining to the matter before the Board;
- d) refrain from any form of conduct, in the performance of their official or professional duties, which may cause any reasonable person unwarranted offence or embarrassment;
- e) always act in accordance with their obligation of fidelity to the Board;
- f) observe the highest standards of honesty and integrity, and avoid conduct which might suggest any departure from these standards;

- g) bring to the notice of the secretary and/or the President any dishonesty on the part of any other members of staff; and
- h) be frank and honest in their official dealings with each other.

CONDUCT OF CONTRACTUAL STAFF

Contractual staff shall;

- a) while on duty, give their whole time and attention to Board business and ensure that their work is carried out efficiently, economically and effectively, and that their standard of work reflects favourably both on themselves and on the Board;
- b) obey lawful orders given by any persons having authority to make or give such orders, with any doubts as to the priority of any such orders being taken up with the superior of the person who gave the order and, if resolution cannot be achieved, with the Secretary, and
- c) give effect to the lawful policies of their Board, whether or not they agree with or approve of them.

ADMINISTRATIVE AND MANAGEMENT PRACTICES

Members and contractual staff should ensure compliance with proper and reasonable administrative practices and standards of conduct, and professional and responsible management practices.

DEALING WITH BOARD PROPERTY

USE OF BOARD FACILITIES, FUNDS, CONTRACTUAL STAFF AND EQUIPMENT

Members and contractual staff shall;

- a) be scrupulously honest in their use of Board facilities, funds, contractual staff and equipment and shall not permit their misuse (or the appearance of misuse) by any other person or body;
- b) use Board resources entrusted to them effectively and economically in the course of their duties, and not otherwise; and
- c) not use Board resources, including the services of the Board contractual staff for private purposes (other than when supplied as part of a contract of employment), unless legally and properly authorised to do so, and payments are made where appropriate.

TRAVELING AND SUSTENANCE EXPENSES

Members and contractual staff shall claim or accept travelling and sustenance expenses arising out of travel only on matters which have a direct bearing on Board business.

ACCESS TO INFORMATION

Members and contractual staff should ensure that members are given access to all Board held information necessary for them to properly perform their duties and meet their responsibilities as members.

Appendix B



Detailed Operational Data

ENERGY CONSUMPTION**PERIOD ENDING 30 JUNE 2019**

	ELECTRICITY (KW)	GREENHOUSE GAS EMISSIONS (TONNES)
July - September	1744752	1640.00
October - December	1694301	1593.00
January - March	1794642	1687.00
April - June	1528751	1437.00
TOTAL	6762446	6357.00

WATER CONSUMPTION**PERIOD ENDING 30 JUNE 2019**

WATER CONSUMED (ML)						
MONTH	COUNCIL	PGM	ENDEAVOR	CSA	MINOR	TOTAL
July	76	20	82	81		259
August	77	59	122	61		319
September	77	45	54	62	8	246
October	98	47	75	85		305
November	97	37	94	87		315
December	157	73	97	82	11	420
January	162	48	86	108		404
February	114	43	73	75		305
March	100	48	34	77	11	270
April	88	29	78	89		284
May	55	21	49	58		183
June	47	17	42	54	8	168
TOTAL	1148	487	886	919	38	3478

Appendix C



Summary of Land

A summary of land occupied by Cobar Water Board is set out below.

LOCATION	OWNER	AREA	LOCAL GOVT. AREA	CURRENT USE
Nyngan	M.P.W.	10.08 ha	Bogan Shire	P.S. No. 1 and Suction Line
Hermidale	M.P.W.	0.06 ha	Bogan Shire	P.S. No. 2 and Balance Tank
Mt. Boppy	M.P.W.	0.12 ha	Cobar Shire	Balance Tank and Reservoir Site
Cobar	M.P.W.	1.81 ha	Cobar Shire	Fort Bourke Hill Res. Filtration Plant
Cobar	M.P.W.	485.2 ha	Cobar Shire	P.S. No. 3 In Ground Tank
Cobar Mine	M.P.W.	0.12 ha	Cobar Shire	Service Reservoir
Cobar	C.W.B.	0.08 ha	Cobar Shire	Board Cottage

Appendix D



Guarantee of Service

COBAR WATER BOARD

GUARANTEE OF SERVICE

OUR ROLE

The primary role of Cobar Water Board is to supply raw water at minimum cost, and at a specific required rate of flow to four (4) major consumers, and a number of minor consumers which may vary from time to time.

OUR CLIENTS

The principal clients of the Board are the Cobar Shire Council, the Endeavor Operations Pty Ltd, Peak Gold Mine, Cobar Management and a number of minor consumers consisting essentially of rural land holders.

OUR COMMITMENT TO CLIENTS

The Board is committed primarily to providing raw water at minimum cost, at the required rate of flow, and at times required by its major and minor consumers. The complementary objective is to monitor projected demands, system conditions and the need for additional works and maintenance to ensure that the primary aim is met.

COBAR WATER BOARD'S STANDARD OF SERVICE

The level of services with respect to the supply of water will depend on the particular locality. For those localities where specific arrangements apply, the Board will provide water in accordance with those arrangements.

AVAILABILITY OF SUPPLY

Under normal conditions the Board will provide an unrestricted supply of water. Restrictions will only become necessary in the event of a breakdown.

CONNECTION

Connection to the water system will be provided where practicable to those parties whose land the Nyngan to Cobar pipeline crosses. On occasions where a high level of construction is required to provide the connection, special arrangements, incorporating the payment of a capital contribution may be necessary.

Appendix E



Financial Statements/Audit Opinion For the twelve (12) month period ended 30th June 2019