

Goulburn-Murray Water Determination

1 July 2020 – 30 June 2024

3 June 2020



An appropriate citation for this paper is:

Essential Services Commission 2020, Goulburn-Murray Water Determination: 1 July 2020 – 30 June 2024, 3 June

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1. General

1.1. Introduction

- (a) Rule 29 of the **WCIR** requires the Commission to approve or determine the **infrastructure charges** which **Part 6 operator** may charge for **infrastructure services** as set out in the **Part 6 operator's** application under rule 25 of the **WCIR** (**price approval application**).
- (b) Clauses 10 and 14 of the **WIRO** require the Commission to either:
 - (i) approve the maximum prices the **regulated entity** may charge for **groundwater services, diversion services** and **miscellaneous services** (being **prescribed services**) or the manner in which the **regulated entity's** prices are to be calculated, determined or otherwise regulated, as proposed by the **regulated entity** in its **price submission**; or
 - (ii) specify the maximum prices the **regulated entity** may charge for **groundwater services, diversion services** and **miscellaneous services**, or the manner in which the **regulated entity's** prices are to be calculated, determined or otherwise regulated.
- (c) On 3 June 2020 the Commission made its final decision under the **WCIR** and the **WIRO** in respect of:
 - (i) the **infrastructure charges** and prices for **prescribed services** which Goulburn-Murray Rural Water Corporation (trading as **Goulburn-Murray Water**) (ABN 46 761 336 846) (**Goulburn-Murray Water**) may levy or charge during the **regulatory period**; and
 - (ii) the standards and conditions of service and supply which **Goulburn-Murray Water** has included in its **price proposal**, which the Commission has approved in its final decision, and which has informed the Commission's approval of charges and prices for **infrastructure services** and **prescribed services** referred to in this Determination.
- (d) This Determination is made by the Commission under section 33 of the **ESC Act**, pursuant to rule 29 of the **WCIR** (for **infrastructure services**) and clause 10 of the **WIRO** (for **prescribed services**).
- (e) The purpose and reasons for the making of this Determination are to give effect to the decision of the Commission to:
 - (i) to approve the maximum charges **Goulburn-Murray Water** may charge for **infrastructure services** or the manner in which such charges are to be calculated or otherwise determined as referred to in clause 1.1(a);

- (ii) approve the maximum prices **Goulburn-Murray Water** may charge for **prescribed services** or the manner in which such prices are to be calculated or otherwise determined as referred to in clause 1.1(b)(ii);
- (iii) facilitate the achievement of the Commission's objectives in, or applying under, the **WCIR**, the **accreditation arrangements**, the **WIRO** and the **ESC Act**; and
- (iv) reflect the requirements in the **WCIR**, the **accreditation arrangements**, the **ACCC pricing principles** (to the extent the Commission considers these relevant), the **WIRO**, the **WI Act** and the **ESC Act**.

1.2. Application

This Determination applies to **Goulburn-Murray Water** and its successors in respect of the business carried on by **Goulburn-Murray Water**.

1.3. Effective period

(a) Term – infrastructure charges

This Determination takes effect in relation to **infrastructure charges** on the date specified in this Determination, being 1 July 2020, and has effect until it is replaced by a determination made by the Commission under Part 1A of the **WI Act** or a determination made by or on behalf of the **ACCC** under the provisions of the Water Charge Rules 2010 (as come into operation on 1 July 2020) or it becomes subject to or is replaced by transitional or alternative arrangements for regulating **infrastructure charges** as may apply under those Rules or the **WI Act**.

(b) Term – prices for prescribed services

This Determination takes effect in relation to prices for **prescribed services** on the date specified in this Determination, being 1 July 2020, and subject clause 1.3(c), has effect until the earlier of the date on which it is amended or replaced by a later determination or 30 June 2024.

(c) Next regulatory period

Subject to clause 2.3(b)(ii), if the Commission has not made a determination in respect of the prices to apply for **prescribed services** in the **next regulatory period** on or before 30 June 2024, the prices or the manner in which such prices are to be calculated or otherwise determined as set out in this Determination will continue to apply in respect of **prescribed services**¹ provided by **Goulburn-Murray**

¹ Note the definition of **prescribed services**. After 1 July 2024 the term **prescribed services** might include services that are currently defined as **infrastructure services**.

Water from 1 July 2024 and until the date on which a determination the **next regulatory period** comes into effect.

1.4. Modification of time periods

The Commission may, by notice to **Goulburn-Murray Water**, extend or reduce the time by which, or the period within which, **Goulburn-Murray Water** or the Commission must comply with an obligation under this Determination.

1.5. Summary and structure

Clause 2 of this Determination specifies the maximum charges or prices, or the manner in which these are to be calculated, determined or otherwise regulated, which will apply to **infrastructure services** and **prescribed services** during the **regulatory period** and sets out the procedure and formulae according to which these maximum charges or prices may be adjusted during the **regulatory period** on an annual basis. Clause 2.3 sets out the procedure according to which the Commission will annually adjust charges or prices. This includes a mechanism for adjusting **Goulburn-Murray Water's** revenue requirement using the calculation specified in Schedule 3 in respect of the second **regulatory year** in the **regulatory period** and each subsequent **regulatory year** in the **regulatory period**.

Clauses 3 and 4 provide for the circumstances in which maximum charges or prices may be adjusted during the **regulatory period** otherwise than in accordance with clause 2.

1.6. Definitions and interpretation

In this Determination, unless the contrary intention appears:

- (a) words and phrases in bold italics have the meanings given to them in part A of Schedule 1; and
- (b) the rules of interpretation in part B of Schedule 1 will apply.

1.7. Annexure

- (a) For convenience, annexure A to this Determination summarises:
 - (i) the assumptions underpinning the charges or prices to apply to **Goulburn-Murray Water** during the **regulatory period** or the manner in which such charges or prices are to be calculated or otherwise determined; and
 - (ii) the standards and conditions of services and supply additional to those specified in the **Code** which will be provided by **Goulburn-Murray Water** pursuant to the decision referred to in clause 1.1(b)(ii).
- (b) For the avoidance of doubt, annexure A does not form part of this Determination.

2. Price control

2.1. General principles

Subject to this Determination:

(a) **Scheduled charges and prices**

Goulburn-Murray Water must not charge more than:

- (i) the charges and prices in Schedule 2, during the first **regulatory year**; and
- (ii) the amounts determined in accordance with clause 2.3, during each subsequent **regulatory year**,

in respect of those **infrastructure services** and **prescribed services** to which the charges and prices in Schedule 2 relate.

(b) **Application principles**

The application principles in Schedule 4 will apply to the charges or prices charged by **Goulburn-Murray Water** in respect of **infrastructure service** and **prescribed services** during the **regulatory period**.

(c) **Pricing principles**

During the **regulatory period**, **Goulburn-Murray Water** must apply the pricing principles in Schedule 5 when determining the charges or prices to apply to **infrastructure services** and **prescribed services** to which the pricing principles in Schedule 5 relate.

2.2. Ancillary matters

(a) **New prices**

If a **new price** is introduced under clause 2.3:

- (i) that **new price** is deemed to be included in Schedule 2 with effect from the start of the subsequent **regulatory year**; and
- (ii) any new application principle specified in respect of that **new price** is deemed to be included in Schedule 2 with effect from the start of the subsequent **regulatory year**.

(b) **Contracts**

Where **Goulburn-Murray Water** has entered into a contract (a **relevant contract**) which relates to the provision of **infrastructure services** or **prescribed services** prior to 1 July 2020, **Goulburn-Murray Water** may charge the charges or prices for the **infrastructure services** or **prescribed services** which are set out in that

relevant contract until its expiration, termination or a periodic review of the charges or prices set out in the contract. Once a **relevant contract** has expired or been terminated or the charges or prices in the **relevant contract** have been subject to a periodic review, the charges or prices in Schedule 2 (as adjusted in accordance with this Determination) or the charges or prices determined in accordance with the pricing principles in Schedule 4 and Schedule 5 will apply for the remainder of the **regulatory period**.

(c) **Dispute Resolution**

Any question as to whether a charge or price has been set in accordance with this Determination will be determined at the sole discretion of the Commission on the basis of the Commission's interpretation of this Determination.

(d) **Publication**

Goulburn-Murray Water must publish a schedule of its current charges and prices and pricing principles for **infrastructure services** and **prescribed services**, and all relevant supporting information that is relied upon to apply the charges and prices or pricing principles, on its website at all times during the **regulatory period** and must provide a written copy of the schedule to its customers on request. The schedule must clearly indicate in respect of each charge or price, the amount determined in accordance with this Determination, the amount of GST payable and the total charge or price (in a manner consistent with the requirements of the Competition and Consumer Act 2010 (Cth)).

For charges for **infrastructure services**, **Goulburn-Murray Water** must also comply with the requirements of Part 4 of the Water Charge Rules 2010 (to the extent that they apply).

GST

Goulburn-Murray Water will not be considered to be in contravention of this Determination if a charge or price levied by it for an **infrastructure service** or a **prescribed service** exceeds the amount determined in accordance with clause 2 only by reason of the levying of a charge on account of **GST**.

2.3. Annual adjustment of prices

(a) **Adjustment**

Subject to Schedule 2 and clause 2.3(b)(iii), the charges and prices in Schedule 2 will be adjusted in each subsequent **regulatory year** in the **regulatory period** in accordance with the formulae in clause 2.3(b)(i) and the procedure in clause 2.3(c), and will apply to the **infrastructure services** and the **prescribed services** to which the charges and prices in Schedule 2 relate in that **regulatory year**.

(b) **Formula**

- (i) Subject to Schedule 2, each price for the **infrastructure services** or **prescribed services** referred to in clause 2.3(a) will be adjusted in accordance with the following formulae with effect from the beginning of each subsequent **regulatory year** in the **regulatory period**:

$$\sum_{i=1}^n \sum_{j=1}^m p_t^{ij} q_t^{ij} \leq cap_t$$

$$cap_t = \left[rev_t + (cap_{t-1} - \sum_{i=1}^n \sum_{j=1}^m p_{t-1}^{ij} q_{t-1}^{ij}) * cpi_t * (1 + wacc) \right] + MDBA$$

where **Goulburn-Murray Water** has n tariff categories, which have up to m tariff components, and where:

p_t^{ij} is the proposed tariff component j of tariff i for **regulatory year** t

q_t^{ij} is the forecast quantity of tariff component j of tariff i for **regulatory year** t

cap_t is the revenue cap for **regulatory year** t calculated in accordance with the formula set out above

cap_{t-1} is the revenue cap for **regulatory year** $t-1$: for the second year of the **regulatory period**, cap_{t-1} is equal to rev_t for the first **regulatory year** as set out in Schedule 3. For subsequent **regulatory years**, cap_{t-1} is the amount calculated for **regulatory year** $t-1$ in accordance with the formula set out above

rev_t is the total revenue requirement for **regulatory year** t as set out in Schedule 3

p_{t-1}^{ij} is the actual tariff component j of tariff i for **regulatory year** $t-1$

q_{t-1}^{ij} is the estimate of the actual quantities of tariff component j of tariff i for **regulatory year** $t-1$

cpi_t for the particular **regulatory year** is:

the Consumer Price Index: All Groups Index for the Eight Capital Cities as published by the Australian Bureau of Statistics for the March quarter immediately preceding the start of the relevant **regulatory year**

divided by

the Consumer Price Index: All Groups Index for the Eight Capital Cities as published by the Australian Bureau of Statistics for the March quarter immediately preceding the March quarter referred to above

$wacc$ is 4.0%, being the weighted average cost of capital

$MDBA$ is an allowance to reflect the cost contribution/the amount of any material change in the annual contribution required to be made by **Goulburn-Murray Water** to the Murray-Darling Basin Authority as calculated by the Commission

- (ii) If the Commission has not made a determination in respect of the prices for **prescribed services** to apply in the **next regulatory period** on or before 30 June 2024, the regulatory requirement for **regulatory year** t " rev_t " will be set equal to " $rev_{t-1} * cpi_t$ " for the purpose of adjusting prices in accordance with the formulae in clause 2.3(b)(i) for **regulatory years** commencing on or after 1 July 2024 until the date on which this Determination is amended or revoked by a later determination.
 - (iii) Subject to 2.3(b)(iv), an increase in any price in Schedule 2 in any **regulatory year** must not exceed the weighted average of all price increases in that **regulatory year** by more than 10%.
 - (iv) Clause 2.3(b)(iii) does not apply to prices in Schedule 2 marked with the symbol (^).
- (c) **Adjustment procedure**
- (i) At least 4 months prior to the commencement of each subsequent **regulatory year** in the **regulatory period**, **Goulburn-Murray Water** must submit its proposed charges and prices for the **infrastructure services** and **prescribed services** referred to in clause 2.3(a) to apply in the subsequent **regulatory year** (the **revised prices**) to the Commission for approval, together with sufficient information to enable the Commission to assess whether the proposed charges or prices comply with this Determination including:

- (A) the forecast quantities for **regulatory year** t " q_t^{ij} " (referred to in the relevant formula in clause 2.3(b)(i)) and an explanation of why the forecast quantities are different from those set in its pricing proposal by at least a 10 per cent variance, where applicable;
 - (B) the estimate of actual quantities for **regulatory year** $t-1$ " q_{t-1}^{ij} " (referred to in the relevant formula in clause 2.3(b)(i));
 - (C) information which explains the calculation of the items referred to in subparagraphs (A) and (B) above;
 - (D) information relating to any **new price** which **Goulburn-Murray Water** proposes to introduce in **regulatory year** t ; and
 - (E) a statement setting out evidence demonstrating the extent to which **Goulburn-Murray Water** has provided, in respect of material charge or price increases, information to its customers and any relevant consultative committee established under the **Water Act** 1989 (Vic) (the Water Act) explaining the calculation of the revised charges or prices and has consulted effectively with its customers and any relevant consultative committee on the revised charges or prices;
 - (F) a statement setting out the anticipated customer impacts resulting from the revised charges or prices and actions, if any, proposed by **Goulburn-Murray Water** to address these customer impacts;
 - (G) a statement setting out evidence demonstrating the extent to which **Goulburn-Murray Water** has, over the course of the past **regulatory year**, provided information to its customers explaining its long-term pricing strategy for **infrastructure services** and **prescribed services** and consulted effectively with its customers on developing that pricing strategy to provide reasonable charge and price stability (that is, minimising price shocks) to its customers;
 - (H) the actual or anticipated change (if any) in the annual contribution required to be made by **Goulburn-Murray Water** to the Murray-Darling Basin Authority; and
 - (I) any other information required by the Commission.
- (ii) The Commission will approve the **revised prices** if it considers that:

- (A) the items referred to in clause 2.3(c)(i)(A), (B) and (H) are reasonable and in the case of (H) are material;
 - (B) the **revised prices** have been calculated in accordance with the formulae set out in clause 2.3(b)(i) with any necessary adjustments to comply with clause 2.3(b)(iii);
 - (C) **Goulburn-Murray Water** has adequately consulted (in the circumstances) with its customers and any relevant consultative committee established under the **Water Act** on the revised prices;
 - (D) **Goulburn-Murray Water** has adequately addressed (in the circumstances) customer impacts resulting from the revised prices; and
 - (E) **Goulburn-Murray Water** has adequately consulted (in the circumstances) with its customers on its long-term pricing strategy and that strategy provides reasonable price stability (that is, minimising price shocks) to its customers.
- (iii) The Commission will be deemed to have approved the **revised prices** if it has not provided notice under clause 2.3(c)(iv) to **Goulburn-Murray Water** within 30 **business days** from the date of its receipt of the **revised prices**.
 - (iv) If the Commission does not approve the **revised prices**, the Commission:
 - (A) will provide notice to **Goulburn-Murray Water** (including a statement of its reasons);
 - (B) may request **Goulburn-Murray Water** to provide any additional information specified by the Commission;
 - (C) will take any additional information provided by **Goulburn-Murray Water** into account; and
 - (D) will determine the **revised prices**.
 - (v) For the avoidance of doubt, any **new price** approved by the Commission under clause 2.3(c)(ii) or deemed to have been approved by the Commission under clause 2.3(c)(iii) will be a **revised price** for the purpose of clause 2.3(c).
 - (vi) The Commission will approve or determine the **revised prices** within a period specified by the Commission which ends 30 **business days** before the start of the next **regulatory year**.

2.4. Price changes during a billing period

(a) Application of this clause

This clause 2.4 applies where **Goulburn-Murray Water** issues an invoice in respect of a billing period during which a change to any charge or price for an **infrastructure service** or a **prescribed service** comes into effect in accordance with this Determination.

(b) Method of charging

Goulburn-Murray Water must not charge the charges or prices determined in accordance with this Determination in respect of any part of a billing period prior to the effective date of the change, but may charge for **infrastructure services** or **prescribed services** in respect of the periods before and after the effective date of the change at the charges or prices applicable for each of those periods on a pro-rata basis.

2.5. Reporting requirements

(a) **Goulburn-Murray Water** must make available to the Commission all information reasonably requested by the Commission from time to time for the purpose of enabling it to confirm that **Goulburn-Murray Water** is complying with this Determination.

(b) Without limiting clause 2.5(a), if, during the **regulatory period**, **Goulburn-Murray Water** enters into a **new contract** which relates to the provision of an **infrastructure service** or a **prescribed service** to which the pricing principles in Schedule 5 relate, **Goulburn-Murray Water** must, within 30 **business days** of the date of the **new contract**, on request provide the Commission with a notice specifying:

- (i) details of the **new contract**; and
- (ii) information which demonstrates the way in which the charges or prices in the **new contract** reflect the relevant pricing principles.

(c) Without limiting clause 2.5(a), if **Goulburn-Murray Water** proposes to stop providing an **infrastructure service** or a **prescribed service** or refuses to provide an **infrastructure service** or **prescribed service** to a customer, or potential customer, during the **regulatory period**, it must:

- (i) in the case of a proposal to stop providing an **infrastructure service** or **prescribed service**, provide a notice to the Commission stating the nature of the **infrastructure service** or **prescribed service** which it proposes to stop providing and the reason why it proposes to stop providing the **infrastructure service** or **prescribed service**. This notice must be provided

at least 30 **business days** prior to the date upon which **Goulburn-Murray Water** proposes to stop providing the **infrastructure service** or **prescribed service**; and

- (ii) in the case of a refusal to provide a **infrastructure service** or **prescribed service** to a customer, or potential customer, **Goulburn-Murray Water** must provide a notice to the Commission within 5 **business days** of the refusal, stating the nature of the **infrastructure service** or **prescribed service** and the reason for the refusal.

3. Unforeseen events

3.1. Procedure

- (i) An application for a variation to this Determination (an ***unforeseen events application***) must satisfy requirements of rule 40 of the ***WCIR***.
- (ii) The Commission may request ***Goulburn-Murray Water*** to provide any additional information specified by the Commission in connection with an ***unforeseen events application***.

4. Other adjustments during regulatory period

Where the Commission is satisfied that:

- (a) there is a manifest and material error in this Determination;
- (b) any information on which this Determination was based was false or misleading in a material respect; or
- (c) such amendment or adjustment is necessary or desirable to avoid an unintended consequence of this Determination,

the Commission may decide to amend this Determination and/or specify a price adjustment, provided that it is satisfied that such amendment and/or price adjustment takes into account the interests of customers.

Schedule 1 – Definitions and interpretation

A Definitions

ACCC means the Australian Competition and Consumer Commission.

ACCC pricing principles means the pricing principles published by the ACCC from time to time, and used by the **Commission** to guide price approvals or determinations made by the **Commission** under the **WCIR** to the extent the **Commission** considers relevant, a copy of which is attached to the **accredited arrangements** approved by the **ACCC** for an initial period of 10 years from 17 February 2012.

accredited arrangements means the arrangements accredited by the **ACCC** under Part 9 of the **WCIR** (for the **Commission** to approve or determine **infrastructure charges** of **Part 6 operators** operating in Victoria under the **WCIR**) for an initial period of 10 years from 17 February 2012 and for a further period of 10 years from 17 February 2022 .

business day means a day on which banks are open for general banking business in Melbourne, not being a Saturday or a Sunday.

Code means the applicable *Customer Service Code* made under the **WI Act**.

Commission means the Essential Services Commission established under the **ESC Act**.

diversion services means diversion services within the meaning in the **WIRO** except to the extent that these qualify as infrastructure-related services provided by **Goulburn-Murray Water** of the kind referred to in the **WCIR**.

ESC Act means the *Essential Services Commission Act 2001* (Vic).

groundwater services means diversion services within the meaning in the **WIRO** in respect of groundwater.

GST has the meaning given in section 195-1 of the *A New Tax System (Goods and Services) Tax Act 1999* (Cth).

infrastructure charges means charges for infrastructure services regulated by the Commission under the **WICR** and in accordance with the accredited arrangements.

infrastructure services means infrastructure-related services provided by **Goulburn-Murray Water** which are of a kind referred to in the **WCIR**.

miscellaneous services means services that are provided in direct connection with **infrastructure services** or **prescribed services** and in relation to which charges or prices are either included in Schedule 2 or determined in accordance with the relevant pricing principles in Schedule 4.

new contract means any contract for **prescribed services** which is renewed, renegotiated or entered into during the **regulatory period**.

new price means a new charge or price in respect of an **infrastructure service** or **prescribed service** to which the prices in Schedule 2 relate.

next regulatory period means the period commencing on 1 July 2024 and ending on a date specified by the Commission or the **ACCC** as may be relevant.

Part 6 operator has the meaning given in the **WCIR**.

prescribed services has the meaning given in the **WIRO** (and, as at the date of this Determination, includes **groundwater services, diversion services** and **miscellaneous services** except to the extent that any of those specific services comprise **infrastructure services**).²

price approval application means an application referred to in Division 2 of Part 6 of the **WICR** for the approval or determination of charges for infrastructure services under the **WICR**.

pricing proposal encompasses a **price approval application** and a **price submission**.

price submission has the meaning given in the **WIRO** and relates to an application for the approval or determination of prices for **prescribed services** under the **WIRO**.

regulated entity has the meaning given in the **WIRO**.

regulatory period means the period commencing on 1 July 2020 and ending on 30 June 2024.

regulatory year means each period of twelve months commencing on 1 July and ending on 30 June.

relevant contract means a contract which relates to the provision of **prescribed services**.

relevant tax means any tax imposed by or payable directly or indirectly to any government or public authority in the Commonwealth of Australia (including **GST**) but excluding:

- (a) the licence fees;
- (b) penalties and interest for late payment of any tax; or
- (c) any tax that replaces any of the taxes referred to in (a) and (b), where tax includes any rate, duty, charge or other like or analogous impost.

termination fee means a termination fee or fees referred to in and regulated under the Water Charge Rules 2010 (Cth) when these come into effect on 1 July 2020.

WCIR means the Water Charge (Infrastructure) Rules 2010 (Cth) as amended.

WI Act means the *Water Industry Act 1994* (Vic).

WIRO means the Water Industry Regulatory Order 2014.

² Note: From 1 July 2024 more of the services provided by **Goulburn-Murray Water** might meet the definition of **prescribed services** than is currently the case.

B Interpretation

Headings are for convenience only and do not affect interpretation. The following rules apply unless the context requires otherwise.

- (a) The singular includes the plural, and the converse also applies.
- (b) If a word or phrase is defined, its other grammatical forms have a corresponding meaning.
- (c) A reference to a person includes a corporation, trust, partnership, unincorporated body or other entity, whether or not it comprises a separate legal entity.
- (d) A reference to a clause or schedule is a reference to a clause of or schedule to, this document.
- (e) A reference to a determination, agreement or document (including a reference to this document) is to the agreement or document as amended, supplemented, novated or replaced, except to the extent prohibited by this document or that other agreement or document.
- (f) A reference to an Act or other law includes regulations, rules, codes and other instruments under it and consolidations, amendments, re-enactments or replacements of any of them.
- (g) If a period of time is specified and commences on a given day or on a day of an act or event, the period of time is to be calculated inclusive of that day.
- (h) Any 'notice' to be given or matter to be 'notified' must be in writing.
- (i) The symbol ' Σ ' requires a summation to be performed over the range of variables specified in respect of the algebraic terms specified.
- (j) All data which is utilised in calculations made under this Determination will be utilised to the accuracy, in terms of the number of decimal places, to which it is given.
- (k) A fixed price, charge or fee determined in accordance with this Determination is to be rounded down and specified to two decimal places.
- (l) A volumetric price, charge or fee determined in accordance with this Determination is to be rounded down and specified to four decimal places.
- (m) When a calculation is required under this document:
 - (i) **regulatory year** 't' is the **regulatory year** in respect of which the calculation is being made;
 - (ii) **regulatory year** 't-1' is the **regulatory year** immediately preceding **regulatory year** 't'.

Schedule 2 – Charges and Prices

This schedule should be read in conjunction with Schedules 3-5.

Tariff and Price Component	Unit	Price (1 July 2020)
1.1 Customer Service & Billing ³		
Customer Fee ⁴	Per customer	-
Water Register Fee ⁵	Transaction	-
Goulburn Murray Irrigation District (Central Goulburn, Loddon Valley, Murray Valley, Rochester, Shepparton and Torrumbarry Irrigation Areas)		
1.2 GMID Gravity Irrigation		
Service Fee **	Property	119.00
Service Point Fee – D&S	D&S Service Point	144.00
Service Point Fee – Local Read	Irrigation Service Point	374.00
Service Point Fee – Remote Read	Irrigation Service Point	749.00
Service Point Fee – Remote Operate	Irrigation Service Point	1,068.00
Distribution		
Infrastructure Access Fee	ML/Day	2,469.36
Infrastructure Use Fee	ML	4.99
Casual Infrastructure Use Fee	ML	42.03
Distribution Access Fee	ML/Day	2,469.36
Distribution Use Fee	ML	4.99
Delivery Share Reservation	ML/Day	2,469.36
Termination Fee *	ML/Day	24,693.60

³ These customer service and billing charges will be recovered from 1 July 2021. They will replace service fees (noted by the symbol ** in this schedule) and will be recovered on a per customer basis.

⁴ The 2021-22 Customer Fee is set as \$124.22 in \$2019-20 dollars.

⁵ The 2021-22 Water Register Fee is set as \$13.47 in \$2019-20 dollars.

Tariff and Price Component	Unit	Price (1 July 2020)
Central Goulburn		
1.3 Central Goulburn Community Surface Drainage		
Community Surface Drainage Fee	KM	720.00
1.4 Central Goulburn Primary Surface Drainage		
Service Fee **	Property	119.00
Area Fee	ha	9.05
Water Use Fee	ML	2.78
Drainage Diversion Site Fee	Site	219.00
Drainage Diversion Site (High Flow)	Site	84.00
Drainage Diversion Agreement Fee	ML/ENT	2.24
1.5 Central Goulburn SubSurface Drainage		
Local Benefit Area Fee	ha	3.76
Local Benefit Water Use Fee	ML	1.41
Municipal Local Benefit Area Fee	ha	15.03
Loddon Valley		
1.6 Loddon Valley Community Surface Drainage		
Community Surface Drainage Fee	KM	720.00
1.7 Loddon Valley Primary Surface Drainage		
Service Fee **	Property	119.00
Area Fee	ha	5.90
Water Use Fee	ML	3.45
Drainage Diversion Site Fee	Site	54.00
Drainage Diversion Site (High Flow)	Site	84.00
Murray Valley		
1.8 Murray Valley Community Surface Drainage		
Community Surface Drainage Fee	KM	720.00
1.9 Murray Valley Primary Surface Drainage		
Service Fee **	Property	119.00
Area Fee	ha	11.42

Tariff and Price Component	Unit	Price (1 July 2020)
Water Use Fee	ML	2.68
Drainage Diversion Site Fee	Site	219.00
Drainage Diversion Site (High Flow)	Site	84.00
Drainage Diversion Agreement Fee	ML/ENT	2.24
1.10 Murray Valley SubSurface Drainage		
Local Benefit Area Fee	ha	4.05
Local Benefit Water Use Fee	ML	1.69
Municipal Local Benefit Area Fee	ha	16.20
Rochester-Campaspe		
1.11 Rochester-Campaspe Community Surface Drainage		
Community Surface Drainage Fee	KM	720.00
1.12 Rochester-Campaspe Primary Surface Drainage		
Service Fee **	Property	119.00
Area Fee	ha	9.53
Water Use Fee	ML	2.34
Drainage Diversion Site Fee	Site	219.00
Drainage Diversion Site (High Flow)	Site	84.00
Drainage Diversion Agreement Fee	ML/ENT	2.24
1.13 Rochester SubSurface Drainage		
Local Benefit Area Fee	ha	15.89
Local Benefit Water Use Fee	ML	1.00
Municipal Local Benefit Area Fee	ha	63.55
1.14 Campaspe Gravity Irrigation		
Service Fee **	Property	119.00
Shepparton		
1.15 Shepparton Community Surface Drainage		
Community Surface Drainage Fee	KM	720.00

Tariff and Price Component	Unit	Price (1 July 2020)
1.16 Shepparton Primary Surface Drainage		
Service Fee **	Property	119.00
Area Fee	ha	15.13
Water Use Fee	ML	3.93
Drainage Diversion Site Fee	Site	219.00
Drainage Diversion Site (High Flow)	Site	84.00
Drainage Diversion Agreement Fee	ML/ENT	2.24
Torrumbarry		
1.17 Torrumbarry Community Surface Drainage		
Community Surface Drainage Fee	KM	720.00
1.18 Torrumbarry Primary Surface Drainage		
Service Fee **	Property	119.00
Area Fee	ha	4.59
Water Use Fee	ML	2.03
Drainage Diversion Site Fee	Site	54.00
Drainage Diversion Site (High Flow)	Site	84.00
1.19 Tyntynder Primary Surface Drainage		
Service Fee **	Property	119.00
Area Fee	ha	12.08
Water Use Fee	ML	4.81
Drainage Diversion Site Fee	Site	54.00
Drainage Diversion Site (High Flow)	Site	84.00
Loch Garry		
1.20 Loch Garry Flood Protection		
Service Fee **	Property	119.00
Flood Protection Fee	ha	1.65
Tungamah		
1.21 Tungamah Water Supply District		
Service Fee **	Property	119.00
Service Point Fee – D&S ^	D&S Service Point	39.00

Tariff and Price Component	Unit	Price (1 July 2020)
Water Allowance Storage Fee ^	ML/Allowance	8.67
Infrastructure Access Fee	kL/Day	136.70
Infrastructure Use Fee ^	ML	50.49
Excess Fee	ML	1,997.00
Loddon Water Supply District		
1.22 Normanville Water Supply District		
Service Fee **	Property	119.00
Service Point Fee – D&S ^	Service Point	39.00
Water Allowance Storage Fee ^	ML/Allowance	8.67
Infrastructure Access Fee	kL/Day	170.98
Infrastructure Use Fee ^	ML	113.34
Excess Fee	ML	1,997.00
1.23 East Loddon (North) Water Supply District		
Service Fee **	Property	119.00
Water Allowance Storage Fee ^	ML/Allowance	8.67
Infrastructure Access Fee	ha	2.40
Distribution Access Fee	ML/Day	2,469.36
Distribution Use Fee	ML	4.99
Excess Fee	ML	1,997.00
1.24 East Loddon Water Supply District		
Service Fee **	Property	119.00
Service Point Fee – D&S ^	Service Point	39.00
Water Allowance Storage Fee ^	ML/Allowance	8.67
Infrastructure Access Fee	kL/Day	67.37
Infrastructure Use Fee ^	ML	67.27
Excess Fee	ML	1,997.00
1.25 West Loddon Water Supply District		
Service Fee **	Property	119.00
Water Allowance Storage Fee ^	ML/Allowance	8.67
Infrastructure Access Fee	ha	2.67
Excess Fee	ML	1,997.00

Tariff and Price Component	Unit	Price (1 July 2020)
1.26 Mitiamo Water Supply District		
Service Fee **	Property	119.00
Service Point Fee – D&S	Service Point	144.00
Water Allowance Storage Fee ^	ML/Allowance	8.67
Infrastructure Access Fee	kL/Day	158.78
Infrastructure Use Fee	ML	25.86
Distribution Access Fee	kL/Day	158.78
Distribution Use Fee	ML	25.86
Excess Fee	ML	1,997.00
Torrumbarry-Pumped		
1.27 Woorinen Pumped Irrigation		
Service Fee **	Property	119.00
Service Point Fee – D&S ^	D&S Service Point	39.00
Service Point Fee – Local Read ^	Irrigation Service Point	114.00
Service Point Fee – Remote Operate ^	Irrigation Service Point	269.00
Distribution		
Infrastructure Access Fee	ML/Day	5,098.00
Infrastructure Use Fee	ML	21.06
Casual Infrastructure Use Fee	ML	97.53
Delivery Share Reservation	ML/Day	5,098.00
Termination Fee *	ML/Day	50,980.00
1.28 Woorinen SubSurface Drainage		
Service Fee **	Property	119.00
Area Fee	ha	2.36
Water Use Fee ^	ML	0.94
1.29 Nyah Pumped Irrigation		
Service Fee **	Property	119.00
Service Point Fee – D&S ^	D&S Service Point	39.00
Service Point Fee – Local Read ^	Irrigation Service Point	114.00
Distribution		
Infrastructure Access Fee	ML/Day	4,854.00

Tariff and Price Component	Unit	Price (1 July 2020)
Infrastructure Use Fee ^	ML	24.62
Casual Infrastructure Use Fee	ML	97.43
Delivery Share Reservation	ML/Day	4,854.00
Termination Fee *	ML/Day	48,540.00
1.30 Nyah SubSurface Drainage		
Service Fee **	Property	119.00
Water Use Fee	ML	5.01
1.31 Tresco Pumped Irrigation		
Service Fee **	Property	119.00
Service Point Fee – D&S ^	D&S Service Point	39.00
Service Point Fee – Local Read ^	Irrigation Service Point	114.00
Distribution		
Infrastructure Access Fee	ML/Day	5,663.00
Infrastructure Use Fee ^	ML	13.31
Casual Infrastructure Use Fee	ML	98.26
Delivery Share Reservation	ML/Day	5,663.00
Termination Fee *	ML/Day	56,630.00
1.32 Tresco SubSurface Drainage		
Sub Surface Drainage fee	ML	2.04
Surface Water Diversions		
1.33 Regulated Waterways		
Service Fee **	Licence	119.00
Service Point Fee – Unmetered	Service Point	144.00
Service Point Fee – Metered (excluding D&S)	Service Point	374.00
Access Fee	Service Point	200.00
1.34 Unregulated Waterways		
Service Fee **	Licence	119.00
Service Point Fee – Unmetered	Service Point	144.00
Service Point Fee – Metered (excluding D&S)	Service Point	374.00
Access Fee	Service Point	76.00

Tariff and Price Component	Unit	Price (1 July 2020)
Resource Management Fee	ML	2.96
Groundwater Diversions		
1.35 Groundwater		
Service Fee **	Licence	119.00
Service Point Fee – Unmetered	Service Point	144.00
Service Point Fee – Metered (excluding D&S)	Service Point	374.00
Access Fee	Service Point	134.00
Resource Management Fee	ML	4.06
1.36 Shepparton Irrigation Region Groundwater		
Service Fee **	Licence	119.00
Access Fee	Service Point	60.00
Resource Management Fee	ML	0.71
Storage		
1.37 Entitlement Storage Fee		
Broken Basin – HRWS	ML	9.83
Broken Basin – LRWS	ML	4.50
Goulburn Basin – HRWS	ML	9.83
Goulburn Basin – LRWS	ML	4.50
Campaspe Basin – HRWS	ML	9.83
Campaspe Basin – LRWS	ML	4.50
Loddon Basin – HRWS	ML	9.83
Loddon Basin – LRWS	ML	4.50
Bullarook Basin – HRWS	ML	9.83
Bullarook Basin – LRWS	ML	4.50
Murray Basin – HRWS	ML	11.18
Murray Basin – LRWS	ML	4.10
Ovens Basin – HRWS	ML	11.18
Ovens Basin – Spill Reliability	ML	4.10
1.38 Service Fee – Non Water User		
Broken Basin – Service Fee (non water user) **	Property	119.00
Goulburn Basin – Service Fee (non water user) **	Property	119.00

Tariff and Price Component	Unit	Price (1 July 2020)
Campaspe Basin – Service Fee (non water user) **	Property	119.00
Loddon Basin – Service Fee (non water user) **	Property	119.00
Bullarook Basin – Service Fee (non water user) **	Property	119.00
Murray Basin – Service Fee (non water user) **	Property	119.00
Ovens Basin – Service Fee (non water user) **	Property	119.00
1.39 Entitlement Storage Fee – Above Entitlement Storage		
Goulburn Basin	ML	4.01
Campaspe Basin	ML	16.71
Murray Basin	ML	4.36
Bulk Water		
1.40 Murray Basin		
Murray Basin HR	ML	9.42
Murray Basin LR	ML	4.28
Murray System WR Equivalent	ML	11.03
Murray Basin Above Entitlement Storage	ML	4.28
1.41 Ovens Basin		
Oven Basin HR	ML	77.27
1.42 Broken Basin		
Broken Basin HR	ML	61.27
1.43 Goulburn Basin		
Goulburn Basin VHR	ML	7.96
Goulburn Basin HR	ML	7.61
Goulburn Basin LR	ML	3.93
Goulburn Basin WR Equivalent	ML	9.70
Goulburn Basin Above Entitlement Storage	ML	3.93
1.44 Campaspe Basin		
GMW Capacity Share		
Campaspe Basin HR	ML	26.56
Campaspe Basin LR	ML	16.39

Tariff and Price Component	Unit	Price (1 July 2020)
Campaspe Basin Above Entitlement Storage	ML	16.39
Coliban Capacity Share Source	ML	33.41
1.45 Loddon Basin		
Loddon Basin HR	ML	45.09
1.46 Bullarook Basin		
Bullarook Basin HR	ML	471.78
Bullarook Basin LR	ML	285.85

* Indicative: The figures shown will generally apply to terminations requested to apply within six months of a customer submitting a written information request. For terminations requested to apply more than six months after the written information request is submitted, the termination fee will be that applicable at the date of termination.

** Service fees that will no longer be charged from 1 July 2021.

^ For the purposes of clause 2.3(b)(iv).

Miscellaneous Tariff and Price Component	Unit	Price (1 July 2020)
Groundwater		
1.47 Groundwater – Works Licence		
Non Licensable Bore Form 72 Alter Existing/Issue New/Replace Existing		210.00
Non Licensable Bore Form 72 Amend Existing/Renew Existing/Transfer Ownership		210.00
Non Licensable Bore Form 72 Additional Assessment	Per Hr	150.00
Licensable Bore Form 70 Issue New/Alter Existing/Amend Existing		1,835.00
Licensable Bore Form 70 Renew Existing/ Transfer Ownership		210.00
Licensable Bore Form 70 Replace Works		1,100.00
Licensable Bore Form 70 Additional Assessment	Per Hr	150.00
Online – Construct a Domestic and Stock Bore		235.00
Online – Amend and renew a Domestic and Stock Bore		80.00

Miscellaneous Tariff and Price Component	Unit	Price (1 July 2020)
Online – Construct an Investigation or Monitoring Bore		235.00
Online – Amend and Renew an Investigation or Monitoring Bore		80.00
1.48 Groundwater – Take and Use Licence		
Licensable Bore Form 91 Issue New		1,835.00
Licensable Bore Form 75GW Temporary Transfer Water Entitlement Tier 1		210.00
Licensable Bore Form 75GW Temporary Transfer Water Entitlement Tier 2		1,600.00
Form 74GW Permanent Transfer Water Entitlement		1,835.00
Licensable Bore Form 93 Transfer Ownership / Transfer Extraction Share		210.00
Licensable Bore Form 73GW Renew Existing		700.00
Licensable Bore Form 91 Decrease volume/Remove land		210.00
Licensable Bore Form 79 Surrender a Licence		150.00
Licensable Bore Form 78 Subdivide a Licence		1,300.00
Licensable Bore Form 77 Amalgamate Licences		1,300.00
Licensable Bore Form 91 Amend Existing		700.00
Regulated Rivers and Streams		
1.49 Regulated Rivers and Streams – Works Licence		
Construct Works Licence – Form 29 Issue New		700.00
Operate Works Licence – Form 31 Amend Existing/Renew Existing		700.00
Operate Works Licence – Form 31 Transfer Ownership		150.00
1.50 Regulated Rivers and Streams – Water Use Licence or Registration		
Form 23 Issue New (with Field Inspection)		700.00
Form 23 Issue New (without Field Inspection)		100.00
Form 24 Vary Existing (without Field Inspection)		100.00
Form 24 Vary Existing (with Field Inspection)		700.00
Form 25A Subdivide or Amalgamate (with Field Inspection)	Per Lot	700.00
Form 25A Subdivide or Amalgamate (without Field Inspection)	Per Lot	100.00
Unregulated Rivers and Streams		

Miscellaneous Tariff and Price Component	Unit	Price (1 July 2020)
1.51 Unregulated Rivers and Streams – Works Licence		
Construct Works Licence – Form 90 Alter Existing/Amend Existing/Issue New/Renew Existing		1,400.00
Construct Works Licence – Form 90 Transfer Ownership		210.00
Construct Works Licence – Form 79 Decommission Works		150.00
1.52 Unregulated Rivers and Streams – Take and Use Licence		
Form 71 Issue New		1,835.00
Form 75SW Temporary Transfer Water Entitlement Tier 1		210.00
Form 75SW Temporary Transfer Water Entitlement Tier 2		1,600.00
Form 74SW Permanent Transfer Water Entitlement		1,835.00
Form 93 Transfer Ownership / Transfer Extraction Share		210.00
Form 73SW Renew Existing		700.00
Form 77 Amalgamate Licences		1,300.00
Form 78 Subdivide a Licence		1,300.00
Form 71 Amend Existing		700.00
Form 95 Private Right Determination		610.00
Form 96 Waterway Determination		610.00
Form 96 Waterway Determination Additional Assessment		510.00
1.53 Private Dams		
Construct Works Licence - Licensable dam Form 60 Alter Existing/Decommission/Issue new		1,530.00
Operate Works Licence - Licensable dam Form 61 Issue New		810.00
Operate Works Licence - Licensable dam Form 62 Renew Existing		810.00
1.54 Information Statements and Special Meter Readings		
Copy of Record		25.00
Information Statement		100.00
Information Statement Express service		150.00
Special Meter Reading		100.00
Irrigation Districts		
1.55 Irrigation Districts		
Form 150 Amend District Boundary		810.00

Miscellaneous Tariff and Price Component	Unit	Price (1 July 2020)
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1.56 Irrigation Districts – Delivery Shares

Form 36 Transfer		210.00
Form 35 Vary Existing		210.00
Form 34 Issue New		210.00
Reservation		210.00
Capacity Assessment		210.00

1.57 Irrigation Districts – Private Works

Form 130 Issue New		1,000.00
Form 130 Security deposit	25% of job (min \$1000)	
Form 130 Supervision fee	5% of job (min \$275)	
Form 131 Transfer Ownership		150.00
Form 131 Renew Existing		400.00
Form 135 Installation of a Small Pipe Outlet for Non-Irrigation Purposes		450.00

1.58 Irrigation Districts – Supply Agreements

Drainage Diversion Form 143 Issue New (without field inspection)		200.00
Drainage Diversion Form 143 Issue New (with field inspection)		400.00
Form 141 Amend Existing/Issue New		510.00
Mobile Collection Form 142 Issue New		150.00

1.59 Irrigation Districts – Water Use Licence or Registration

Form 23 Issue New (with Field Inspection)		700.00
Form 24 Vary Existing (with Field Inspection)		700.00
Form 25A Subdivide or Amalgamate (with Field Inspection)	Per Lot	700.00
Form 23 Issue New (without Field Inspection)		100.00
Form 24 Vary Existing (without Field Inspection)		100.00
Form 25A Subdivide or Amalgamate (without Field Inspection)	Per Lot	100.00

Water Supply District

1.60 Water Supply District

Miscellaneous Tariff and Price Component	Unit	Price (1 July 2020)
Form 171 Amalgamate Properties		350.00
Form 172 Issue New		1,000.00
Form 170 Subdivide a Property		350.00
1.61 Technical Advice for High Risk or Complex Applications		
Technical Advice for High Risk or Complex Applications (per Hr)	Per Hr	150.00

Schedule 3 – Calculation of revenue requirements for each regulatory year

This schedule should be read in conjunction with clause 2.3 and Schedule 2.

Revenue requirements for regulatory years

\$m 2020-21

Regulatory year	Calculation of revenue requirements
Where t = 2020-21,	$rev_t = \$113.206 \text{ million}^{\wedge}$
Where t = 2021-22,	$rev_t = \$107.499 \text{ million} * cpir_t$
Where t = 2022-23,	$rev_t = \$107.513 \text{ million} * cpir_t$
Where t = 2023-24	$rev_t = \$108.131 \text{ million} * cpir_t$

[^]This figure is net of the rebate to bulk customers

where

$cpir_t$ for the particular **regulatory year** is:

the Consumer Price Index: All Groups Index for the Eight Capital Cities as published by the Australian Bureau of Statistics for the March quarter immediately preceding the start of the relevant **regulatory year**

divided by

the Consumer Price Index: All Groups Index for the Eight Capital Cities as published by the Australian Bureau of Statistics for the March quarter 2020

Schedule 4 – Application of certain principles to certain charges and prices

4.1 Private works

Charge or price is the customer's reasonable estimate of the job costs.

4.2 Transfer of water entitlement

Application and certificate fees are set by the Water (Permanent Transfer of Water Right) Regulation 2001.

4.3 Miscellaneous fees and charges

Goulburn Murray Water has core and non core miscellaneous fees and charges. Charges or prices for core miscellaneous charges are set out in Schedule 2. Charges or prices for non core charges are calculated in accordance with the pricing principles described in clause 5.3 of Schedule 5.

Schedule 5 – Pricing principles

5.1 Recycled water pricing principles

Recycled water charges or prices should be set so as to:

- have regard to the price of any substitutes and customers' willingness to pay;
- cover the full cost of providing the service (with the exception of services related to specified obligations or maintaining balance of supply and demand); and
- include a variable component.

Where **Goulburn-Murray Water** does not propose to fully recover the costs associated with recycled water, it must demonstrate to the Commission that:

- it has assessed the costs and benefits of pursuing the recycled water project;
- it has clearly identified the basis on which any revenue shortfall is to be recovered; and
- if the revenue shortfall is to be recovered from non-recycled water customers, either the project is required under the Statement of Obligations which applies to **Goulburn-Murray Water** or pursuant to other Government policies that apply to **Goulburn-Murray Water** or there has been consultation with the affected customers about their willingness to pay for the benefits of increased recycling.

5.2 Pricing principles where scheduled charges or prices specified in Schedule 2 do not apply

Where the prices set out in Schedule 2 do not apply because the nature of the service provided to a particular customer is unique, prices must be set as follows:

- variable prices should reflect the long run marginal cost (LRMC) of providing services;
- the total revenue received from each customer should be greater than the cost that would be avoided from ceasing to serve that customer, and (subject to meeting avoidable cost) less than the stand alone cost of providing the service to the customer in the most efficient manner;
- the methodology used to allocate common and fixed costs to that customer should be clearly articulated and be consistent with any guidance provided by the Commission;
- prices should reflect reasonable assumptions regarding the customer's demand for services;
- depreciation rates and rates of return used to determine prices should be consistent with those adopted by the Commission for the purposes of making this Determination;
- customers should be provided with full details of the manner in which prices have been calculated and any new, renewed or renegotiated contractual agreements with customers

should indicate that the prices to apply are subject to any Determination made by the Commission;

- where applying these principles results in significant changes to prices or tariff structures, arrangements for phasing in the changes may be considered and any transitional arrangements should be clearly articulated.

5.3 Pricing principles for miscellaneous services not included in Schedule 2

Prices for miscellaneous services must be set according to actual cost calculated on the basis of the aggregate of:

- direct third party or contractor invoice cost;
- direct marginal internal costs, including labour, materials and transport costs; and
- a fair contribution to overheads.

For bank dishonour, debt collection and legal fees, the third party costs must be charged directly to the customer with no contribution for internal costs or a contribution to overheads.

5.4 Guidelines

Goulburn-Murray Water must comply with any guidelines issued by the Commission from time to time which relate to the setting of prices for **infrastructure services** or **prescribed services** to which Schedule 5 relates.

5.5 Pricing principles for termination fees

Goulburn-Murray Water may apply **termination fees** to irrigation customers who surrender delivery entitlements during the **regulatory period**.

Termination fees must comply with the requirements of the Water Charge Rules 2010 (Cth) when these come into effect on 1 July 2020.

The Common Seal of the
Essential Services
Commission was affixed to
this Determination with the
authority of the commission.

Date: 5 June 2020



Kate Symons

Chairperson



Annexure A

Table 1 Weighted average cost of capital (real)

Per cent

Post tax WACC	Implied pre-tax WACC
4.0%	4.0%

Table 2 Benchmark revenue requirement

\$m 2019-20

	2020-21	2021-22	2022-23	2023-24
Operating expenditure	89.1	83.1	82.5	82.5
Return on assets	15.3	15.8	16.3	16.8
Regulatory depreciation	9.5	9.4	9.5	9.6
Final decision revenue requirement	113.9	108.3	108.3	108.9

Table 3 Updated regulatory asset base

\$m 2019-20

	2015-16	2016-17	2017-18	2018-19
Opening RAB	280.8	310.5	337.8	365.8
<i>Plus</i> Gross capital expenditure	43.4	35.3	38.7	19.4
<i>Less</i> Government contributions	0.2	0.2	0.9	0.1
<i>Less</i> Customer contributions	0.0	0.1	0.1	0.2
<i>Less</i> Proceeds from disposals	0.0	0.1	0.2	0.1
<i>Less</i> Regulatory depreciation	13.5	7.7	9.5	11.1
Closing RAB	310.5	337.8	365.8	373.6

Table 4 **Rolled forward regulatory asset base**

\$m 2019-20

	2019-20	2020-21	2021-22	2022-23	2023-24
Opening RAB	373.6	374.1	389.6	402.4	414.7
<i>Plus</i> Gross capital expenditure	13.3	28.0	23.5	22.1	22.5
<i>Less</i> Government contributions	0.4	2.9	1.2	0.2	0.2
<i>Less</i> Customer contributions	0.0	0.0	0.0	0.0	0.0
<i>Less</i> Proceeds from disposals	0.1	0.1	0.1	0.1	0.1
<i>Less</i> Regulatory depreciation	12.3	9.5	9.4	9.5	9.6
Closing RAB	374.1	389.6	402.4	414.7	427.3

Table 5 **Approved licence fee and environmental contribution assumptions**

\$m 2019-20

	2020-21	2021-22	2022-23	2023-24
Essential Services Commission licence fee	0.06	0.06	0.06	0.09
Environmental contribution	2.75	2.70	2.65	2.61

Table 6 Major capital projects

Projects	Expected start date	Expected completion date
Central Goulburn No 12/8 Channel - Remodel	2020-21	2020-21
Loddon Valley No 11 Channel - Remodel	2020-21	2020-21
Mitiamo Pipeline (Customer Contribution)	2020-21	2020-21
Rochester No 1 Channel - Remodel	2020-21	2020-21
Tullaroop – Spillway Bridge	2020-21	2020-21
Cattanach Canal – Radial Gates	2020-21	2021-22
Cohuna Weir Fishladder	2020-21	2022-23
Tatura Campus Solar Panel Installation	2021-22	2022-23
Buffalo – Irrigation Outlet Valve	2022-23	2023-24
Nillahcootie – Spillway Works	2022-23	2024-25