



Sydney Water and WaterNSW Greater Sydney

Review of maximum charges from 1 July 2020

Joint Public Hearing, SMC Conference & Function Centre

26 November 2019



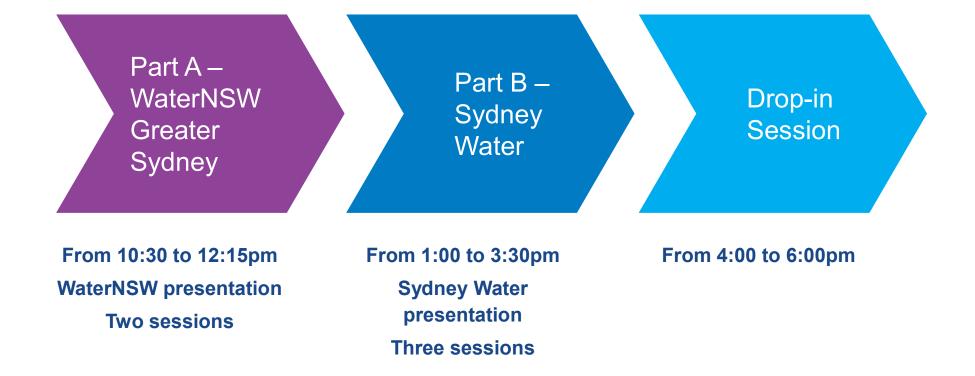
The proposals at a glance

WaterNSW's prices, 2020-24		Sydney Water's prices, 2020-24				2017 SDP prices
Opex:	\$384 million	'Baseline' cost	s	If drought cont	tinues	When SDP was turned on (mid-
Capex:	\$682 million	Opex:	\$5.5 billion	Opex:	\$5.9 billion	2019), residential water bills
Revenue:	\$890 million	Capex:	\$5.1 billion	Capex:	\$5.5 billion	increased by an average of \$25 to
Proposed price changes: 🖊 1%		Revenue:	\$10.7 billion	Revenue:	\$10.7 billion	\$35.
		Residential bill	l: 🕴 3.2% (-\$37)	Residential bil	l: 🛉 2.5% (+\$30)	
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Non-residential: 0.5-12

Opex:	\$5.9 billion
Capex:	\$5.5 billion
Revenue:	\$10.7 billion
Residential bill:	🛉 2.5% (+\$30)
Non-residential:	↓ 9% to ↑ 6.5%

How today will proceed



We are using "Slido" to take questions

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Go to slido.com and enter the event code: #G848 – WaterNSW GS review #F950 – Sydney Water review



WaterNSW Greater Sydney's prices

WaterNSW's presentation on its pricing proposal

Then followed by:

- 1. Efficient expenditure, cost allocation and prices
- How best to share risk between WaterNSW and its customers
- 3. Open question session



WaterNSW's presentation





We will review WaterNSW's proposed operational expenditure



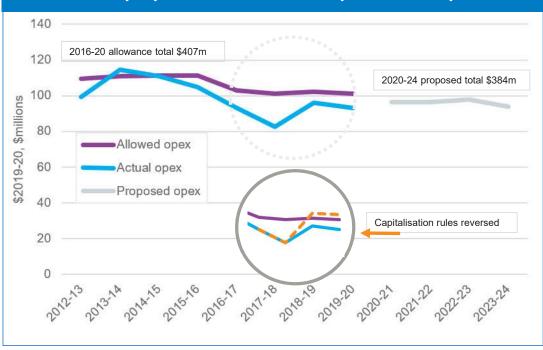
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We have engaged expert consultants to review WaterNSW's proposed operating costs.



WaterNSW's proposed and historical operational expenditure





We will review WaterNSW's proposed capital expenditure





169%

We have engaged expert consultants to review WaterNSW's proposed capital costs.

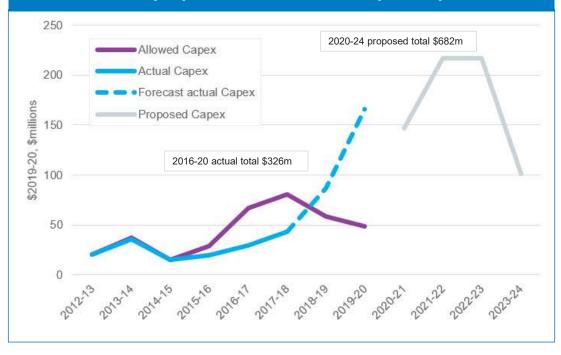
2016 Determination

Mixed results due to Some deferral and cancellation Change in scope and new projects

2020 Determination

Growth in demand Regulatory compliance Drought and water resilience

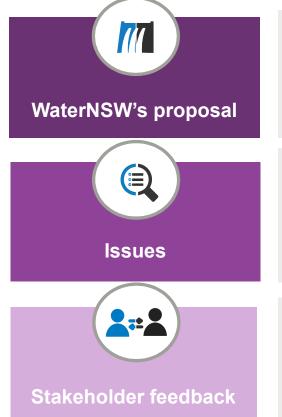
WaterNSW's proposed and historical capital expenditure





Cost allocation and prices



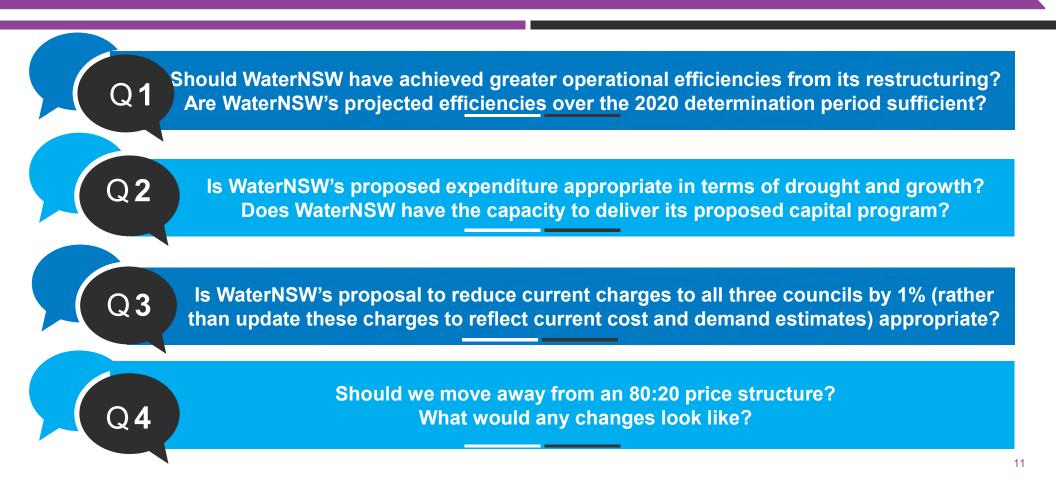


Generally **maintain** the existing:

- Allocation of costs between the Sydney Water, councils and raw/unfiltered water customers, with most costs being allocated to Sydney Water.
- Fixed to volumetric charges ratio (80:20) for its bulk water prices to Sydney Water and councils.
- While improving pricing certainty, the proposed council charges may not reflect the underlying cost structure of supplying them.
- There may be scope for greater alignment between WaterNSW's price structure and cost structure by moving to a price structure that has greater fixed share.
- Most stakeholders support maintaining predominantly fixed charges in WaterNSW's price structure.
- WaterNSW considered 90:10 could better match its cost structure in its submission to our Issues Paper.

Session 1 – Questions for discussion







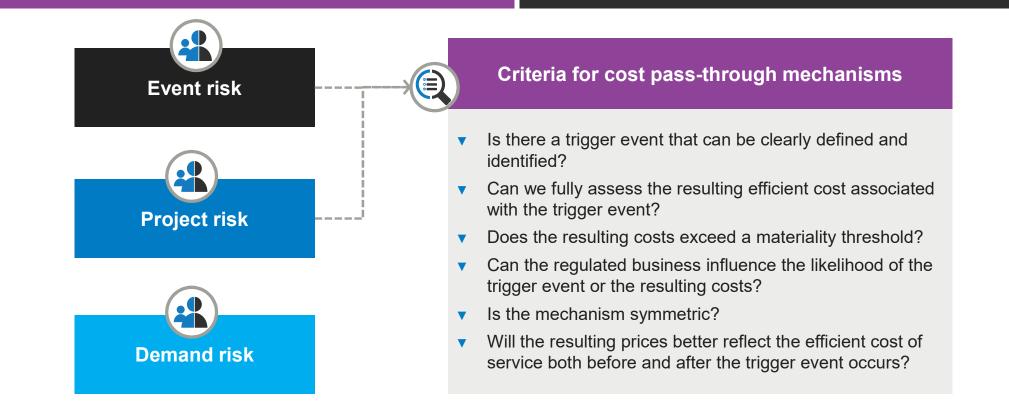


Questions from the audience Slido #G848



Key proposals on its regulatory framework







How to allocate event risk







How to allocate project risk

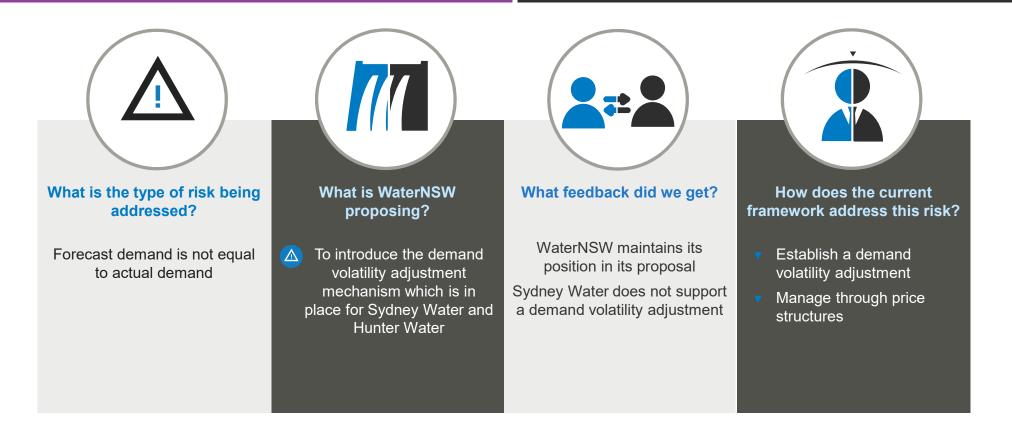






How to allocate demand risk

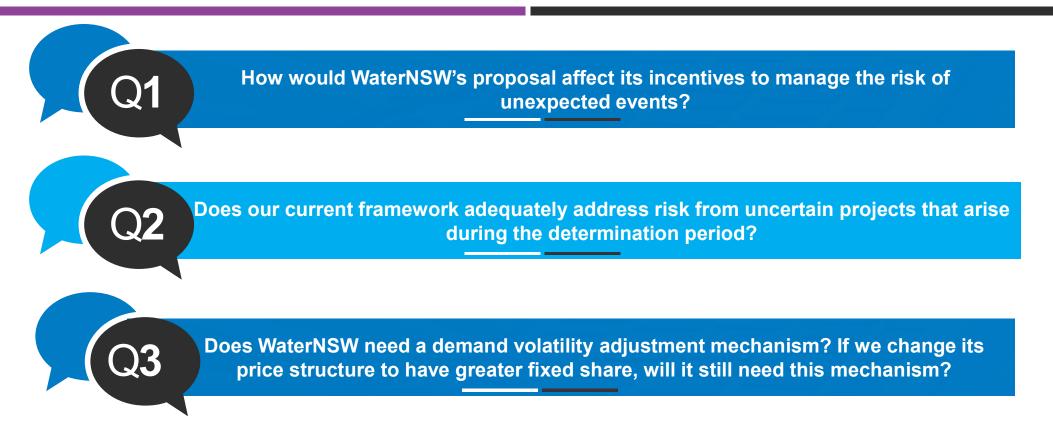






Session 2 – Questions for discussion





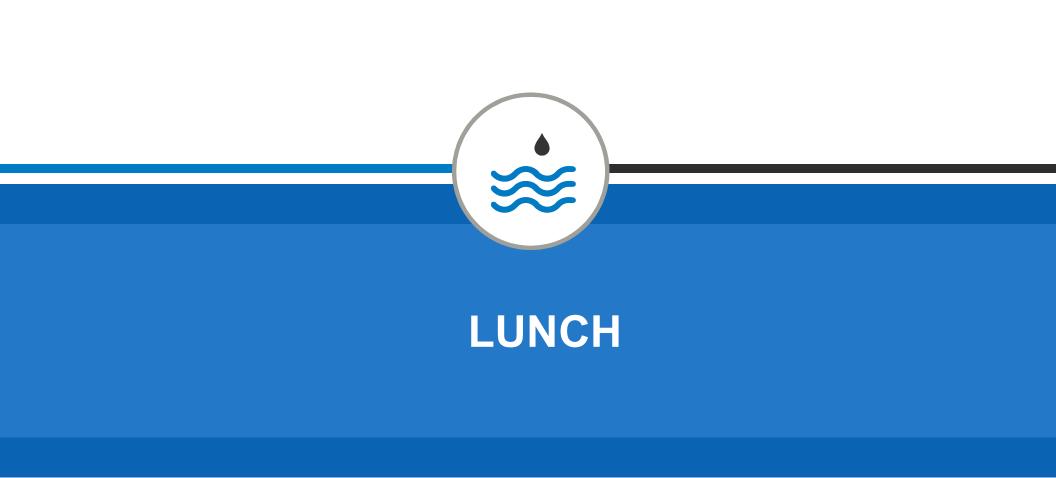




Questions from the audience Slido #G848



SESSION 3 Open question session



How today will proceed





Sydney Water's prices

Sydney Water's presentation on its pricing proposal

Then followed by:

- 1. Drought, the environment and expenditure
- 2. Growth and expenditure
- 3. Prices and form of regulation
- 4. Open question session

We are using "Slido" to take questions

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#F950 – Sydney Water review



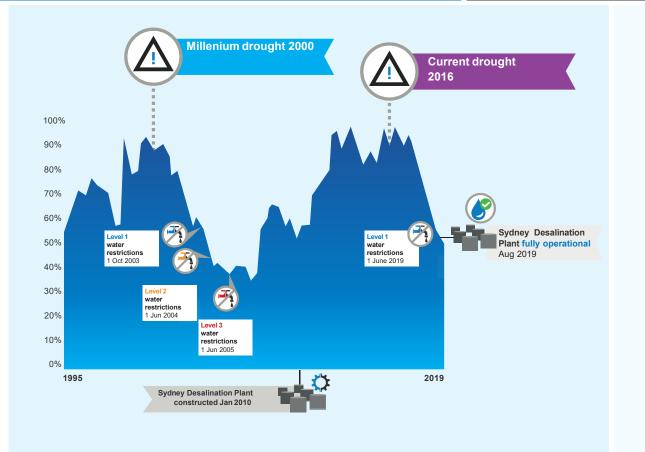
Sydney Water's presentation



SESSION 1 Drought, the environment and expenditure



Our review recognises the impact of ongoing drought conditions







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Independent Pricing and Regulatory Tribunal New South Wales

SWC Pricing Proposal July 2019

SWC Update Nov 2019



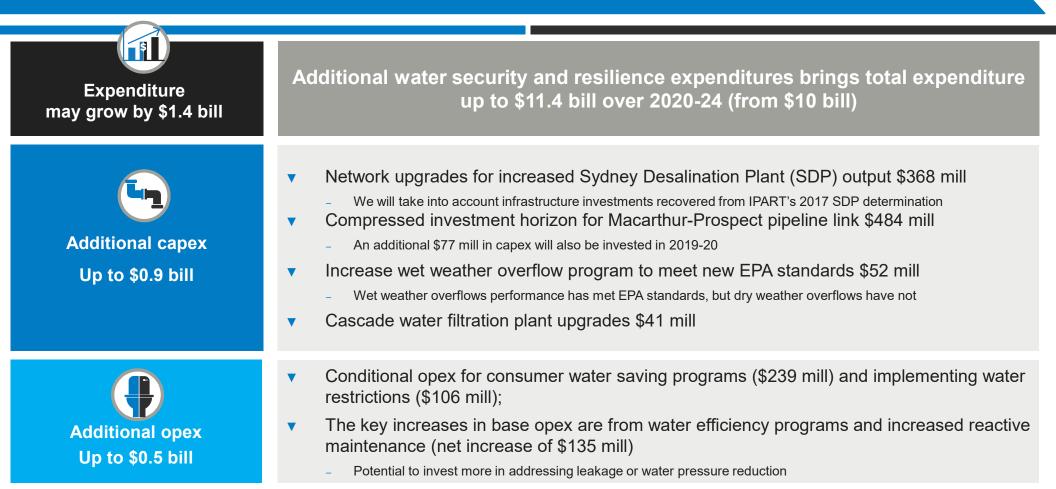
Expenditure for drought, environment and growth for 2020-24



Service and usage charges



Drought conditions expected to have large impact on Sydney Water's ongoing costs





Impact of drought on Sydney Water assets and environmental performance



Asset renewal program

- \$2.7 bill on existing assets, including expenditure to address deteriorating asset conditions increase in number of systems breaching Environmental Protection Licence limits in terms of dry weather overflows to waterways over 2016 period
 - Partly due to a reduction in regular inspections and root clearance in past years



Discretionary spend above regulated standards: 2% capex

- \$80 mill on 2 discretionary projects based on customer engagement & willingness to pay
 - We will consider if costs should be recovered from customers' bill or as a separate charge
 - Also review works against EPA standards, customer WTP, and if it will be delivered efficiently

Economic Level of Water Conservation (ELWC) programs

- \$8 mill in 2019-20, to increase to \$10 mill/yr and up to \$239 mill extra over 2020 determination period if triggers are reached
 - Potential to increase focus on leakage reduction activities

Session 1 – Questions for discussion



What are your views on Sydney Water's proposals for addressing drought and environmental performance? Are there other efficient ways to achieve water security and resilience?



What are some ways our review could assess the cost of reactive and proactive asset management related to drought?

Q3

How should our review account for the risks of drought and support water conservation, including the cost of leakage?





Questions from the audience Slido #F950



SESSION 2 Growth and Expenditure

Longer term trend indicates more growth



In June 2015, the population of Greater Sydney was estimated to be 4.92 million...



By 2029, Greater Sydney's population is **expected to reach 6.4 million**, to be accommodated through higher density dwellings as well as inland development.





We usually set prices for a 4 or 5 year period.

2029 population growth may be realised within the next two price periods.



We will review Sydney Water's proposed costs



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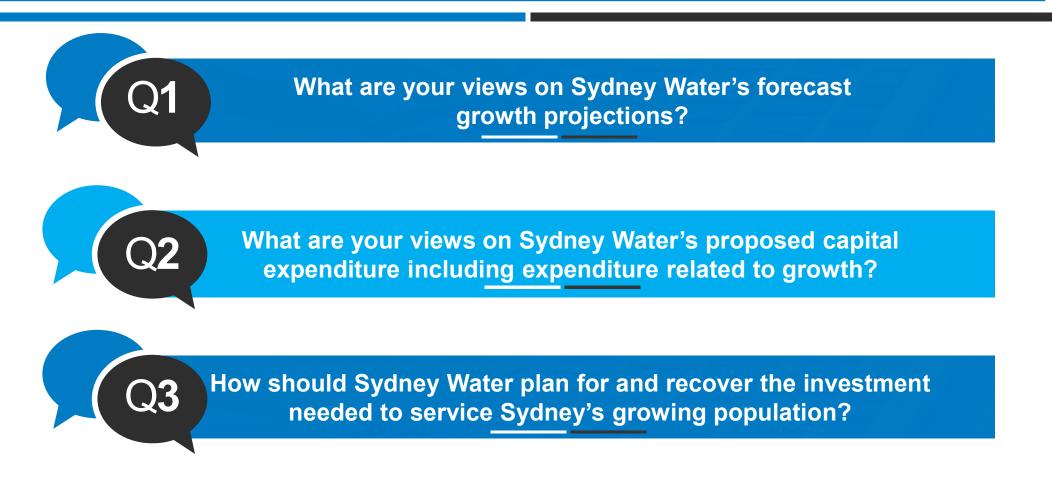


Developer charges have been set to zero since 2008

We have engaged expert consultant's to review Sydney Water's key growth assumptions and proposed expenditure. They will:



Session 2 – Questions for discussion







Questions from the audience Slido #F950



SESSION 3 Prices and form of regulation

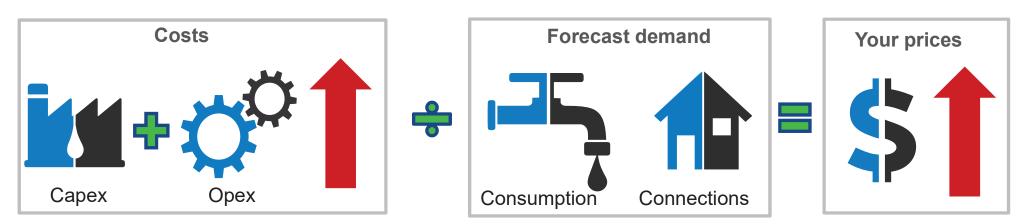


The impact of ongoing drought on prices



Sydney Water has proposed cost pass-throughs if drought conditions worsen. These costs include:

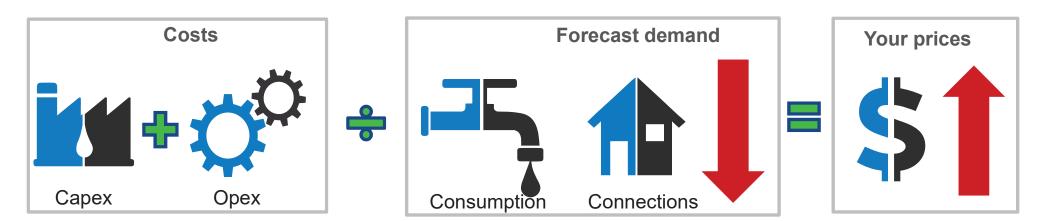
- ▼ Network upgrades to accommodate increased flows from the expansion of SDP
- ▼ Additional water conservation programs, water restriction implementation costs and drought management costs if water restrictions worsen





The impact of drought on forecast water sales

Demand is difficult to forecast in drought conditions and Sydney Water has assumed "average" demand. Sydney Water has proposed to adjust demand annually to take account of variations in actual demand compared to its forecast demand.



Sydney Water's key proposed prices



		Current prices	Proposed price: 'baseline'	Proposed prices if drought continues
Water	Water usage (\$/kL)	2.11	2.11	2.24
	Water service - 20mm (\$/year)	82.28	97.54	151.0
Wastewater	Wastewater usage (\$/kL)	1.17	0.61	0.61
	Wastewater service – 20mm (\$/year)	585.80	628.34	628.34
	Deemed usage charge – (\$/year)	176.34	91.51	91.51
Stormwater	Service charge – residential single (\$/year)	78.88	80.98	80.98
	Service charge – residential multi (\$/year)	24.62	25.28	25.28



- ▼ Dam levels at 40%-30%
- The existing Sydney Desalination Plant is turned on
- An expansion of the Sydney Desalination Plant
- No adjustments to demand.



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Stakeholders have asked us to consider scarcity pricing



A water scarcity price

The water **usage charge** increases as dam levels fall.

Incentive to reduce water consumption

 You have control over the usage component of your water and sewerage bill.

Service charge + (usage price X water consumption) = your bill

Customers can influence future prices

- Scarcity pricing can reduce consumption and possibly delay the next augmentation required.
- Can reduce the severity of water restrictions.



Late and declined payment fees

	2020-21	2021-22	2022-23	2023-24
Late payment fee (\$)	4.75	4.80	4.85	4.90
Declined fee (\$)	14.30	14.46	14.62	14.78

Session 3 – Questions for discussion

What are your views on Sydney Water's proposal to maintain the 2019-20 water usage charge?

Q2

Q1

What are your views on stakeholder suggestions to introduce a water scarcity price given ongoing drought conditions?

Q3

How should we incorporate Sydney Water's proposed cost pass throughs and annual true-up of demand volatility in our approach?

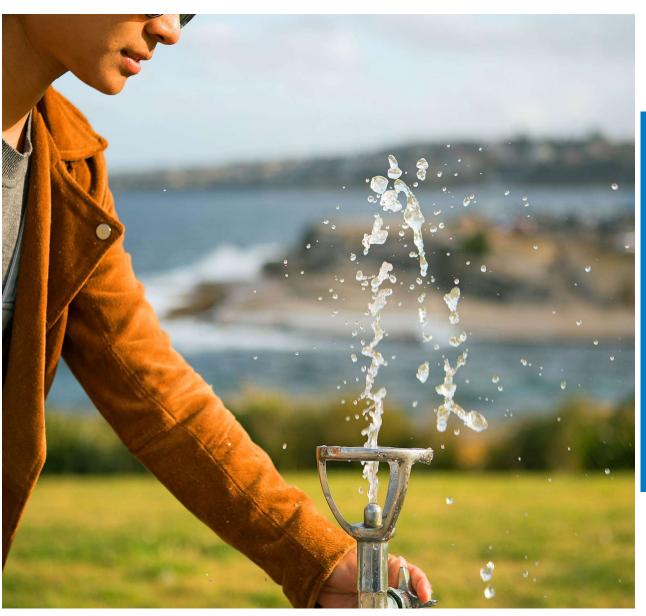




Questions from the audience Slido #F950



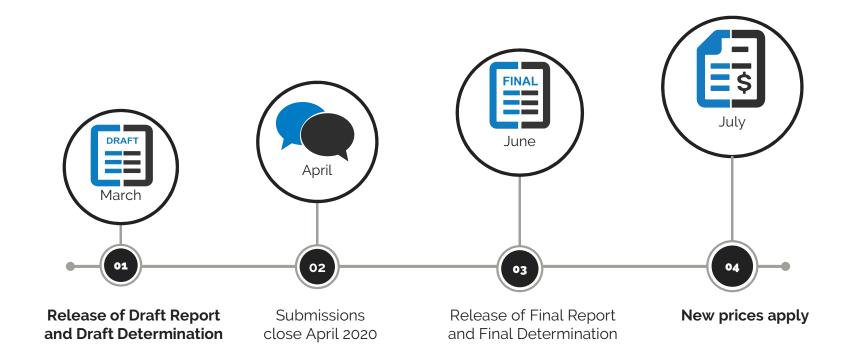
SESSION 4 Open question session



Closing remarks









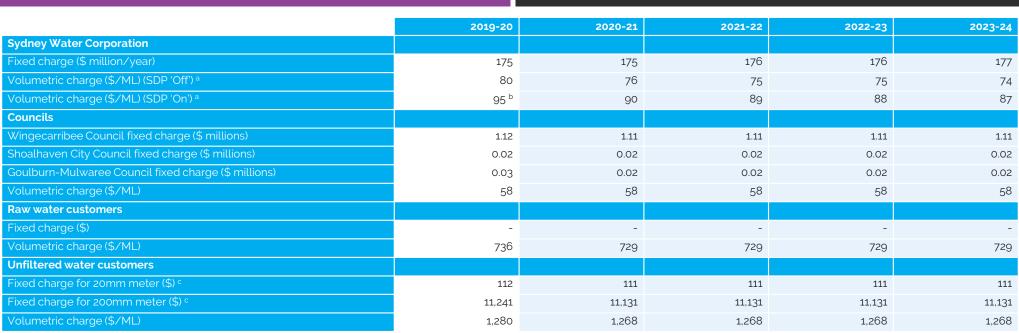
Next: Drop-in Session



Supplementary information



WaterNSW's proposed prices from 1 July 2020



^a SDP 'Off' means when the Sydney Desalination Plant (SDP) is not supplying water to Sydney Water. Then, SDP 'On' is when the SDP is being used to supply water to Sydney Water.

^b In its pricing proposal, WaterNSW indicated a volumetric charge of \$80/ML to Sydney Water assuming SDP 'On' in 2019-20, which is the same as the charges assuming SDP 'Off'. Using the same method that WaterNSW has used to calculate the prices assuming SDP 'On' over the 2020 determination, we estimated the volumetric charge to be \$95/ML in 2019-20 period.

^c For unfiltered customers, there are separate fixed charges for 20mm, 25mm, 30mm, 32mm, 40mm, 50mm, 80mm, 100mm, 150mm and 200mm meter connections. We only present the fixed charges for 20mm and 200mm connections in this table.

Sydney Water's key proposed 'baseline' prices from 1 July 2020 (\$2019-20)

	2019-20	2020-21	2021-22	2022-23	2023-24
Water					
Residential service price \$/year	82.28	97.54	97.54	97.54	97.54
Water usage price \$/kL	2.11	2.11	2.11	2.11	2.11
20mm non-residential service price \$/year ^a	82.28	97.54	97.54	97.54	97.54
Wastewater					
Residential service price \$/year	585.80	628.34	628.34	628.34	628.34
Deemed wastewater usage price \$/year (residential and non-	176.34	91.51	91.51	91.51	91.51
residential)					
20mm non-residential service price (\$/year) ^a	585.80	628.34	628.34	628.34	628.34
Wastewater usage price \$/kL	1.17	0.61	0.61	0.61	0.61
Stormwater					
Units, small non-residential(<200 sqm) \$/year	24.62	25.28	25.28	25.28	25.28
Houses, medium non-residential (201-1,000 sqm) \$/year	78.88	80.98	80.98	80.98	80.98
Large (1,001-10,000 sqm) non-residential \$/year	459.67	471.93	471.93	471.93	471.93
Very large (10,001-45,000 sqm) non-residential \$/year	2,043.03	2,097.52	2,097.52	2,097.52	2,097.52
Largest (>45,000 sqm) non-residential \$/year)	5,107.59	5,243,81	5,243,81	5,243,81	5,243,81

^A For meter size not specified above the following formula applies:

 $(Meter size)^2 \times 20mm$ meter charge

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