

INDEPENDENT PRICING AND REGULATORY TRIBUNAL

REVIEW OF SYDNEY WATER'S MAXIMUM PRICES FOR WATER, SEWERAGE
AND RELATED SERVICES AND WATERNSW'S MAXIMUM FOR BULK WATER
SERVICES IN GREATER SYDNEY FROM 1 JULY 2020

Tribunal Members

Ms Deborah Cope, Acting Chair
Mr Ed Willett, Tribunal Member
Ms Anna Brakey, Tribunal Member

Members of the Secretariat

Ms Liz Livingstone, Mr Matthew Edgerton,
Mr Matt Mansell, Mr Anthony Rush,
Ms Letitia Watson-Ley, Ms Sarah Holdsworth,
Ms Shirley Lam, Ms Maricar Horbino,
Ms Chirine Dada, and Mr Ian Dehlsen

At

SMC Conference and Function Centre, 66 Goulburn Street,
Sydney

On Tuesday, 26 November 2019, at 10.15am

1 PART A: WATERNSW - GREATER SYDNEY PRICING PROPOSAL

2
3 Opening Remarks

4
5 THE ACTING CHAIR: Good morning, everyone. It looks like
6 everyone is in here now, so we would like to get started.
7 I would like to begin by acknowledging that we are meeting
8 on the Gadigal land of the Eora people and wish to pay my
9 respect to the traditional owners both past and present.

10
11 Please excuse the mood lighting we have here at the
12 moment. Apparently the storm last night affected the power
13 board in the building so the overhead lighting is not
14 working at the moment.

15
16 I also want to let people know that we have some
17 members of the media in attendance today. If anybody does
18 not want to be recorded on the media, then please let us
19 know.

20
21 I would also like to welcome you all to this public
22 hearing. It is to inform our reviews of:

23
24 The maximum prices WaterNSW can charge for the bulk
25 water service it provides customers in the Greater
26 Sydney area including Sydney Water; and

27 The maximum prices that Sydney Water can charge to its
28 customers for its water, wastewater, stormwater and other
29 services from 1 July 2020.

30
31 It will also inform our review of dishonoured and
32 declined payment fees for Sydney Water.

33
34 I am Deborah Cope I am the Acting Chair of the
35 Independent Pricing and Regulatory Tribunal - IPART, and
36 I am joined today by my fellow tribunal members, Ed Willett
37 and Anna Brakey. Assisting the tribunal today are members
38 of IPART's secretariat, Liz Livingstone, who is IPART's
39 chief executive officer, Matt Edgerton, Matt Mansell,
40 Anthony Rush, and members of their teams.

41
42 Also, I would like to thank those who have provided
43 feedback to our issues paper which we released
44 in September.

45
46 Our issues paper sets out the key issues that will be
47 considered as part of our reviews. It also summarises

1 Water NSW's and Sydney Water's pricing proposals, which
2 were submitted to IPART in 1 July 2019, and sets out our
3 preliminary views on some pricing issues. For both reviews
4 the pricing proposals, issues papers and submissions to our
5 issues paper are available on our website. On 12 November,
6 we received an update of Sydney Water's pricing proposal,
7 which can also be found on our website.

8
9 This public hearing is a very important part of our
10 process for both these reviews. In addition to the views
11 expressed in the feedback to the issues paper, we will
12 consider the views that are presented here today when we
13 are forming our final decisions.

14
15 Today, we have extended our usual public hearing
16 process to include an afternoon drop-in session from 4 to
17 6pm, which provides customers and stakeholders an
18 opportunity to have their say and talk directly to IPART'S
19 staff in an informal setting. It also provides an
20 opportunity for those who can't attend the public hearing
21 to have their say.

22
23 Following the public hearing, we will release draft
24 determinations and a draft report for public comment
25 in March 2020. People then have about four weeks to make
26 further written submissions for our consideration before we
27 make our final decision. Our final reports and
28 determination will be released in June 2020, which will
29 contain maximum prices to apply from 1 July 2020.

30
31 In general, our price reviews will seek to determine:

32
33 What are Sydney Water's efficient costs of
34 providing water, wastewater and stormwater services while
35 complying with its environmental and other regulatory
36 requirements;

37 What are WaterNSW's efficient costs for delivering
38 safe, reliable and sustainable bulk water to its various
39 customers in the Greater Sydney area; and

40 How will these costs be recovered through prices,
41 taking into account important considerations such as what
42 customers can afford to pay and the impact of drought on
43 future water supply?

44
45 We seek your views on these questions.

46
47 Before we commence the proceedings today, I'll briefly

1 outline the process for the hearings. This public hearing
2 is split into two parts. Part A will focus on the review
3 of WaterNSW's prices in the Greater Sydney area; Part B
4 will focus on Sydney Water's prices. Both parts of the
5 public hearing will commence with a presentation from the
6 relevant utility outlining its pricing proposal. Each part
7 will then be divided into focused sessions and a final open
8 session to address any further questions you may have that
9 have not been addressed in the earlier session. Further
10 details and information on the sessions for each part of
11 the public hearing can be found in the handouts that were
12 distributed by IPART staff earlier.

13
14 A member of the tribunal will introduce each session,
15 and the IPART secretariat will give a brief presentation on
16 the issues and questions to be covered in the session. The
17 tribunal member will then invite participants at the table
18 to provide responses to and comment on those topics, and
19 then comments will be invited from the audience.

20
21 Throughout all sessions, we will request responses
22 from those at the table and invite questions from the
23 floor. If you have any questions but don't wish to present
24 them personally, you can post your questions on [slido.com](https://www.slido.com).
25 You can also upload questions on Slido. We will seek to
26 address the questions from Slido in the appropriate
27 sessions during the hearing. To upload a question, please
28 log on to the Slido website and enter the code G848 for
29 WaterNSW and F950 for Sydney Water. These codes are also
30 on the first page of the handout, if you need them later
31 on.

32
33 Today's hearing is being recorded by a transcriber.
34 To assist the transcriber, when you are asking your
35 questions, please identify yourself and, where appropriate,
36 the organisation you are from. We also ask you that speak
37 loudly and clearly.

38
39 A copy of the transcript will be available on our
40 website soon after the public hearing.

41
42 We commence today with Part A of the public hearing
43 and Water NSW's presentation for the Greater Sydney pricing
44 proposal.

45
46 Based on the submissions we received, we have
47 identified two key focus areas for the pricing review.

1 Session 1 will be introduced by the tribunal member,
2 Ed Willett, and will focus on efficient expenditure, cost
3 allocation and prices. In general, these issues represent
4 the bread and butter of our pricing review.
5

6 Then session 2 will be introduced by tribunal member,
7 Anna Brakey, and will focus on risk allocation between
8 WaterNSW and its customers for unforeseen costs and
9 uncertain projects. Session 2 will also discuss options to
10 address revenue risks that have been identified by
11 WaterNSW. Most of submissions we received in the price
12 review related to these issues, so I suspect there will be
13 a lot of discussion.
14

15 To begin the session, I ask David Harris, the CEO of
16 WaterNSW, to please come forward, thank you.
17

18 WaterNSW's presentation
19

20 MR HARRIS: Thanks very much, Deborah, and thank you all
21 for your attendance today.
22

23 We welcome the opportunity to speak to our pricing
24 submission and answer any questions that you, or indeed the
25 tribunal, may have of us today.
26

27 We have broken up this hopefully quick presentation
28 into two parts - a bit of an overview of our pricing
29 submission, and then a response to the issues paper. I'll
30 speak to the first set of slides and then our economic reg
31 manager, Michael Martinson, will speak to the second group
32 of slides.
33

34 I am very pleased to give you an overview of our
35 Greater Sydney pricing submission. I will certainly not
36 read all the words on all of these screens and will just
37 draw out the key points to communicate them.
38

39 Our pricing proposal as at 2 July 2019 would see the
40 price of raw water to Greater Sydney customers decrease by
41 1 per cent. We do note that when the determination is made
42 next year and IPART updates its current market parameters,
43 we expect prices to fall below that. I will speak to that
44 in more detail on a subsequent slide.
45

46 What we have managed to do in our pricing submission
47 is to combine our drive for efficiency, and indeed

1 capturing the lower interest rate environment that we are
2 operating in, with our ability to invest to increase the
3 resilience of our network and proposing prices to customers
4 that fall in real time. We have managed to tick all of
5 those boxes. These decreases are proposed despite plans to
6 deliver a significantly larger Greater Sydney capital
7 investment program over the next four years that I will
8 speak to on subsequent slides.

9
10 A very important element of our current context both
11 if I may say in Greater Sydney and in regional areas - we
12 operate in both - is obviously the continuing drought. The
13 bottom line to that continuing drought, particularly in the
14 case of Greater Sydney, is that that it requires
15 investment.

16
17 Our pricing proposal contains capital projects such as
18 Avon Dam deep water access and also preliminary planning
19 expenditure for contingent drought projects to ensure
20 ongoing water supply for Greater Sydney. To put it very
21 simply, we, as the utility are accountable for the supply of
22 bulk water to Sydney, simply must be doing this planning in
23 the current drought context. We, as an organisation,
24 continue to devote considerable resources to securing the
25 state's water security in light of the ongoing effects of
26 drought, as I say, both in Greater Sydney and in regional
27 areas.

28
29 This slide really summarises the essence of our
30 pricing submission in terms of some recommendations around
31 the regulatory framework. We have sought a four-year
32 determination period. We have proposed a cost pass through
33 framework that addresses the costs associated with
34 unanticipated external events - drought, for example - such
35 as regulatory, legislative and tax changes and catastrophic
36 events.

37
38 We have proposed a contingent projects mechanism to
39 address the financial risk of major projects that may be
40 required to address drought and other significant events
41 that may be triggered, where it is not practicable or
42 possible to include definitive numbers in the determination
43 due to cost, timing or scope uncertainty at this time.

44
45 We have sought the continuation of the current cost
46 pass through for Shoalhaven pumping transfers. We have
47 sought a demand volatility adjustment mechanism to manage

1 potentially significant volume risks associated with the
2 drought. We have also sought the continuation of the
3 existing formula-based arrangements for adjusting our
4 prices for the operating modes of the Sydney Desalination
5 Plant.

6
7 In relation to Shoalhaven transfers, the current
8 arrangement is for a cost pass through. However, as we
9 have identified in our pricing submission, the current
10 arrangements do not include all relevant charges relating
11 to the retailing of electricity, resulting in the allowed
12 cost of electricity being below our efficient and actual
13 costs. We propose that IPART amend its charging formula to
14 include network poles and wires costs, to include
15 environmental costs and to include retailer and residual
16 administration costs we incur from our retailer.

17
18 Putting it simply, under the current mechanism, we are
19 not fully reimbursed for our prudent and efficient costs of
20 Shoalhaven transfers. We also seek to recover the revenue
21 shortfall over the current determination period.

22
23 Our capital expenditure program is \$682 million over
24 the determination period, which is a 110 per cent increase
25 on the capex spend in the current determination period of
26 \$326 million. This includes projects to improve the
27 resilience of our network when facing pressures associated
28 with drought, to renew assets and to minimise the footprint
29 of our operations on the environment.

30
31 We are, as an organisation, very focused on
32 maintaining asset reliability and asset renewals. We are
33 spending more on renewing and maintaining our assets than
34 has been done in the past and we - both our board and our
35 management team - have a very strong view that that
36 expenditure is absolutely required so that our assets are
37 of a reliability and availability standard and brought up
38 to that standard where necessary.

39
40 A major component of our capex spend over the
41 determination period is a cost of over \$200 million for the
42 Avon Dam deep water access. Put simply, that project buys
43 two years of water for the Illawarra that it otherwise
44 would not have. I might point out the Illawarra is the
45 node in Sydney which is going to fail first in the current
46 drought. So that project is absolutely critical to the
47 ongoing availability of water in the Illawarra node, the

1 Illawarra region.

2
3 We also have, by way of example, \$100 million in our
4 capex program for Warragamba E flow construction to
5 minimise environmental impacts of our operations.

6
7 Our operating expenditure is a different story in that
8 our operating expenditure continues to decrease. I might
9 just point out that in the 2016 pricing determination, we
10 proposed a very large step reduction in our opex, and we
11 are again today, in our pricing submission, recommending a
12 further reduction - a prudent reduction - in our operating
13 costs. In fact, in the first year under our pricing
14 submission, we are recommending a 6 per cent decrease from
15 IPART's 2016 determination, and I talked earlier about the
16 probable effects of the low interest rate environment that
17 we are in at the moment.

18
19 Our opex spending ensures that we are able to meet our
20 legislative obligations and, as I said earlier, maintain
21 our assets at long-term sustainable levels. Additional
22 savings to date have been achieved through improvements in
23 asset management, strong financial governance and
24 procurement savings. We have included an efficiency
25 dividend of 1 per cent of total opex to place additional
26 downward pressure on water prices.

27
28 I want to emphasise the point I made before. Since
29 our inception as WaterNSW in 2015, we have taken leadership
30 in needing to drive continuous improvement and efficiency.
31 We proposed a significant decrease in opex in 2016, and
32 this efficiency dividend that we ourselves have proposed in
33 our pricing determination this year is genuinely all that
34 this organisation can bear at the moment, while prudently
35 maintaining our physical assets, our IT assets, our
36 necessary human resources and, indeed, delivering on the
37 expectations of our customers and stakeholders during this
38 unprecedented drought.

39
40 The revenue requirement under our pricing submission
41 is \$890 million. As I've said before, average customer
42 prices will reduce by 1 per cent in real terms over four
43 years and, based on our pricing proposal, if the WACC
44 continues to fall, it would result in an approximate
45 \$10 reduction to a Sydney Water end customer's bill in
46 2020-2021, on the basis that our costs represent
47 approximately 8 per cent of Sydney Water's total costs.

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That was a quick run over the target and overview. I'll now ask Michael Martinson to come forward and present a few slides to respond to the matters mentioned in the IPART issues paper, thanks.

MR MARTINSON: Thanks, David. Welcome everyone.

I have a few slides that will touch on a few specific issues primarily in response to matters that were raised in the issues paper. I will be very brief in talking to these slides, because a lot of the matters will be picked up in subsequent discussions this morning.

With regard to matters that were raised in the issues paper, IPART supported many of the proposals that were in the issues paper, but there were a handful of areas where they either didn't support our position or that further information was to be provided.

Some of those relate to the Shoalhaven transfers, which were touched on earlier. I think there was general consensus in the issues paper and in subsequent responses based on if there is an error in the formula for Shoalhaven transfers, then it appears like the sensible thing to do is to review to make sure that the formula is cost reflective moving forward. We think that is a sensible approach.

IPART did not support our proposal to carry forward the recovery of the revenue shortfall in the current period into the next period. We don't agree with that view, on the basis that we think that the formula itself had an intended bias in it. It doesn't allow revenue upside to offset any reductions in the current period. We think on that basis that it is sensible for us to be able to recover that cost moving forward.

I'll also touch on contingent projects, cost pass throughs - which will again be the subject of discussions for later this morning - the cost of maintaining recreational areas, and prices for Sydney Water.

The framework that we have put forward to manage uncertainty really draws heavily on IPART's current framework for managing risk. The addition to the framework that we are proposing is a mechanism that is common in other jurisdictions, including the ACCC, the ESCV in

1 Victoria, the AER for electricity, and a number of other
2 regimes that we have previously responded to.

3
4 We believe this framework is one that is appropriate
5 for large projects that are material in terms of the
6 proportion of our regulatory asset base. There is cost
7 uncertainty and timing uncertainty. We think having a
8 separate mechanism that allows us to address this risk
9 during the regulatory period would be a very useful and
10 beneficial addition to the current framework.

11
12 IPART's framework to date includes cost pass through
13 arrangements, which we support. We are looking at
14 expanding that to include a cost pass through for
15 regulatory events and catastrophic events. We also think a
16 very useful component of managing investment uncertainty is
17 including expenditures in the regulatory asset base which
18 then gets reflected in the subsequent regulatory period.

19
20 There are some benefits of that, and that was the
21 approach that IPART adopted in its decision for the Broken
22 Hill pipeline. Some of the shortfalls of that is it does
23 not provide for any revenues during the current financial
24 period, so it certainly impacts the financeability of the
25 organisation within a regulatory period.

26
27 We think that the current set-up with investing in the
28 RAB is that there is a loss of a certain element of revenue
29 that could potentially provide a disincentive in a future
30 period, but we can certainly discuss that more in a session
31 later this morning.

32
33 I guess the last element of the framework for managing
34 uncertainty is that there is this ultimate, I guess, last
35 resort once other mechanisms have been exhausted, which is
36 to really seek an early review, basically to open up the
37 entire determination to address the costs of a large
38 investment. We think that really should be considered only
39 as a last resort because it is potentially a fairly
40 significant mechanism that would impose costs on ourselves,
41 customers and IPART when there are other mechanisms that we
42 think could deal with that risk.

43
44 I will also just quickly touch on this. In terms of
45 cost pass throughs, and this has been touched on
46 previously, we are seeking to expand the framework to
47 include regulatory events and unexpected catastrophic

1 events. Again it is something that is quite prevalent in
2 other jurisdictions. We think it is a useful mechanism
3 that IPART currently has as part of its suite of tools. We
4 think that could be expanded to help deal with some of the
5 risks that we are facing moving forward.

6
7 One of the areas that was touched on the issues paper
8 is that - we currently operate a number of recreational
9 areas that we believe provide the monopoly services and
10 that the costs should be provided in our determination.
11 There is some question, I guess, as to whether or not the
12 costs relating to recreational areas should be included in
13 our determination. We wanted to highlight the fact that in
14 Greater Sydney, the recreational areas we manage receive
15 about half a million customers a year. The visitors
16 experience is site-specific, as an example in Woronora,
17 Upper Nepean dams, there are barbecues, picnic areas,
18 picnic tables in bushland settings. There is fishing in
19 some areas. We think that is something that is beneficial
20 to the community and the areas themselves are intrinsically
21 linked to the dam or the infrastructure and related to
22 heritage.

23
24 If these costs were to be removed or the services were
25 to be removed from the determination, there would be an
26 initial and ongoing expenditure in order to make safe the
27 areas and to provide appropriate security to the sites if its
28 not considered a monopoly service.

29
30 Effectively, the management of recreational areas is
31 driven by catchment management and protection requirements.
32 So we restrict access within special areas to protect water
33 quality. Restricting access within a catchment area is a
34 recognised measure to protect quality and public health.
35 We think this is an important element of the determination
36 and something where we seek for the costs to remain in our
37 determination.

38
39 The last item I would like to touch on is that we
40 propose effectively maintaining the current split of fixed
41 and variable charges to Sydney Water. In the issues paper,
42 IPART suggested that a possible view would be maybe moving
43 to 100 per cent fixed charges. I guess our initial view on
44 that is that from our perspective not all of the costs of
45 our business are fixed, therefore, we think maintaining a
46 variable component of charges is likely to send more
47 efficient usage signals to customers. We think having at

1 least some proportion of variable charges within our
2 pricing structure is an appropriate aim.

3
4 If we are moving away from the 80 per cent fixed
5 20 per cent variable, perhaps a 90 per cent fixed 10 per
6 cent variable may be a better split. In any case, if there
7 is any proportion of our tariffs that is variable, we still
8 think that there is a need for a demand volatility
9 adjustment mechanism, the current approach to SDP pricing,
10 and a pass through of the costs to the Shoalhaven
11 transfers. That is it. Thank you everyone.

12
13 THE ACTING CHAIR: Thank you very much. We will now move
14 to questions from the table and then the audience and
15 Slido.

16
17 Sydney Water? No. Are there any questions from the
18 department?

19
20 MR BENTLEY: No, thank you.

21
22 THE ACTING CHAIR: Anyone from the audience?

23
24 MS CULLIS: My name is Sharyn Cullis. I am here
25 representing the Georges River Environmental Alliance
26 today.

27
28 My question is to David, respectfully. I would be
29 really disturbed, as would my organisation, if your pricing
30 proposal, which involves a reduction in the cost of bulk
31 water, means a lower level of protection of catchment
32 values. I have actually been part of groups that have been
33 permitted to inspect the catchment in the past and I know
34 the marvelous job that your rangers do on the ground.
35 I have heard recently of quite sophisticated systems that
36 you have in place now for things like fire - fire
37 management. I am rather interested to hear that you really
38 only concentrated on drought as the major risk, where I see
39 there are all sorts of potential risks within the catchment
40 that needs to be managed and managed through a very high
41 level of surveillance on the ground.

42
43 MR HARRIS: Sharyn, thanks very much for your question,
44 and for the observation that you make there in terms of the
45 priority that we put as an organisation into our catchment
46 protection activities.

47

1 I would suggest that in the last couple of years we
2 have actually done the best job we have done for a long
3 period of time in terms of protecting the catchment. You
4 referred to bushfires. We now have a much better
5 arrangement in place with RFS for them to provide us with a
6 rapid response capability in respect of bushfires because
7 that is one of the key risks obviously for water quality
8 within the catchment.

9
10 We are renegotiating as well our arrangements with
11 National Parks so that our funding that goes to National
12 Parks is much better directed to water quality outcomes
13 than, if you like, general land management practices, as
14 has been the case in the past.

15
16 We have been spending more and more in our catchment
17 protection areas. Actually I should highlight as well
18 another key thing. If you have been on trips into the area
19 with our staff, you will know the emphasis we are putting
20 on at the moment - very successfully actually - in relation
21 to long-wall mining within the catchment which has received
22 quite a lot of publicity recently. Indeed, the Independent
23 Expert Panel has adopted all of the recommendations that
24 WaterNSW made to it, in its most recent report. That's why
25 I say I think actually we have been doing the best we have
26 been doing recently in terms of our catchment protection
27 function.

28
29 I indicated in my opening remarks that our cost
30 savings in particular were not coming from that area. They
31 were coming from more efficient project - major project -
32 and capital spend savings in our procurement area. So we
33 are not proposing at all to reduce our expenditures in the
34 whole area of catchment protection, and I might add, in my
35 view, the related area of provision of community amenity
36 around our storages.

37
38 As Michael has also said, I see the provision of those
39 land facilities to the community as a quid pro quo for the
40 fact that we do lock up our catchments. We do not allow
41 access into our catchments and I see that expenditure
42 coming through that lens. Certainly, we are not taking a
43 backward step at all. I am very proud of what we have been
44 doing recently in catchment protection. We are not
45 proposing cost reductions in that area. We are obtaining
46 our efficiency reduction in other areas.

47

1 THE ACTING CHAIR? Douglas?

2

3 MR McCLOSKEY: Douglas McCloskey, PIAC.

4

5 This is more of a comment because unfortunately we
6 didn't get to submit to the initial process. However, we
7 do have some questions relating to costs and risk and
8 revenue in relation to the fact that a number of the
9 measures to manage risk in relation to the potential
10 requirement to build unforeseen infrastructure or to
11 respond to unforeseen circumstances are essentially a
12 recognition that there is risk that the organisation has to
13 expend more than it may have forecast. That is really
14 shifting risk onto customers and eventually onto consumers.

15

16 We are concerned that there is not necessarily a
17 symmetrical relationship in that the revenue risk is cited
18 as a reason for having largely fixed charges. We question
19 whether that is an appropriate balance of risk and revenue.
20 We look at the whole chain of supply and we can see that
21 end consumers are very much interested in having as much
22 control on their costs as possible and having their costs
23 related to their usage.

24

25 We think that utilities such as Sydney Water are
26 moving towards that in recognition of the input they have
27 had from their consumers. We are concerned that, as a
28 consumer of bulk water from WaterNSW, Sydney Water is not
29 necessarily supporting a similar relationship as a customer
30 of WaterNSW. We think there definitely should be
31 exploration of having a greater balance of usage-based
32 charges for WaterNSW, reflecting a balance of risk in that
33 they have much more ability to deal with risk with
34 mechanisms that they are proposing or to shift that to
35 consumers and to their customers. We think that an
36 appropriate balance of that would be to have higher usage
37 based charges. If not, that should be considered in the
38 other decisions that are made with regard to cost pass
39 throughs.

40

41 It is more of a point rather than a question, but it
42 is certainly something we would like to see discussed more.
43 Thanks.

44

45 THE ACTING CHAIR: I think a lot of the discussion, both
46 around pricing and pricing structures, in the next session,
47 and then risk sharing, in the following session, will go

1 into the details of that.

2

3 Are there any general comments that either WaterNSW or
4 Sydney Water may want to make before we --

5

6 MR CHEROUX: No, thank you.

7

8 MR HARRIS: I am happy to address that during the later
9 session.

10

11 THE ACTING CHAIR: Yes, we will pick that one up in the
12 later session.

13

14 Are there any other general questions or comments as
15 part of this session? Anything from Slido?

16

17 MR MANSELL: Yes. There are a few questions that have
18 come in from Slido. Firstly, from anonymous, the question
19 is:

20

21 How does the government's role in planning
22 for water such as expansion of the desal
23 plant sit alongside WaterNSW's role in
24 planning for new bulk water supply?

25

26 MR BENTLEY: Jim Bentley. I am the deputy secretary for
27 water in the DPIE. Thank you for the question.

28

29 The department plays the role, alongside Sydney Water
30 and WaterNSW, in all matters of the strategic planning
31 around water and, in the case of Sydney Water, wastewater.
32 So those decisions around what we are doing with desal,
33 what we may be doing with other kinds of assets, are made
34 jointly by those three organisations working together.
35 Hopefully, that addresses the question.

36

37 MR MANSELL: The next question is from anonymous:

38

39 Regarding managing uncertainty, can the
40 government cover some of the costs in the
41 short term rather than building them into
42 prices when bulk water planning is
43 currently underway?

44

45 MR HARRIS: Could I go first and then hand over to
46 Jim Bentley.

47

1 Just to be clear, the approach we have adopted in our
2 pricing submission is that Avon Dam deep water access is a
3 project that is underway now. We have firm costs for that
4 project and we have included that project in our pricing
5 submission.
6

7 The other projects are what we describe as contingent
8 projects. They are largely dependent on whether or not the
9 drought continues. So at this point in time, it is not
10 prudent for anyone, ourselves or the government, to make an
11 investment decision in relation to those assets. However,
12 we obviously have to plan those developments so that we are
13 ready to go if the drought continues and if those assets
14 are required. That is just by way of outline of how we
15 have addressed those in our pricing submission.
16

17 The only other alternative for us dealing with those
18 contingent projects is to reopen the entire pricing
19 submission if and when any of those projects are required,
20 which we definitely don't want to do as it is an extremely
21 inefficient approach. If I may say from our perspective,
22 with the amount of resources we have to put as an
23 organisation into developing these pricing submissions, it
24 is a very important exercise, but it is taking people away
25 from our core functions in dealing with the drought.
26 I don't want to go through this exercise now and then have
27 to go through it again in a year's time by way of an entire
28 reopening of our pricing submissions.
29

30 In proposing that those projects be dealt with as
31 contingent projects, we feel we have struck the right
32 balance, if you like, between prudence and efficiency.
33

34 At this point, I might hand over to Jim Bentley, who
35 can answer the part of the question relating to funding, if
36 those decisions are made - that is, funding through
37 customer versus government. Jim?
38

39 MR BENTLEY: Certainly, I can't speak for treasury as
40 such, but let me say that the department supports the
41 project David referred to, which is the deep water access
42 project, and the department as well as Sydney Water and
43 WaterNSW have worked closely together on that.
44

45 In 2017 the metropolitan water plan signalled a
46 drought option study, which the two organisations produced.
47 I think it would be fair to say that that drought options

1 study was produced at a moment in time following which the
2 drought has become even more severe and the greater
3 depletion of the dams is probably of even greater concern
4 than we had at that time.

5
6 I would not want to see anything that disincentivises
7 WaterNSW or Sydney Water from doing the appropriate level
8 of planning. Clearly if it is not included in their
9 prices, then, one way or another, the government ends up
10 paying, either through a dilution of dividend or through
11 the department finding funding.

12
13 I don't think we should underestimate how much work is
14 currently going on by both state-owned corporations and the
15 department, and indeed other parts of government, to ensure
16 that we have the right level of planning in place. I think
17 it is important that we do not disincentivise that work
18 just at a time when we should be ensuring that we are able
19 to move as smoothly as we can through this very severe
20 drought.

21
22 THE ACTING CHAIR: Douglas?

23
24 MR McCLOSKEY: This raises an interesting point, and it is
25 one we have raised in relation to Hunter Water's and Sydney
26 Water's proposals. We are concerned that there is a kind
27 of perpetuating lens simply of exceptional services for a
28 lot of these decisions, such as cost pass throughs and
29 making decisions in response to exceptional circumstances
30 and citing drought as the key reason for setting in place
31 these investment decisions.

32
33 We are concerned that there is not necessarily a link
34 to the fact that there is a change to reality in relation
35 to the performance of catchments, in relation to the value
36 of water in an ongoing sense, and that, rather than assume
37 that things are the way they are is an exceptional
38 circumstance and then we just pass through the cost of the
39 exceptional circumstance, this is the time to consider a
40 pricing structure and an investment structure that might
41 build these sorts of circumstances into business as usual
42 rather than assuming a historic average and then saying,
43 "Oh, now it's drought. Now we have to pass through the
44 extra costs in relation to this."

45
46 Again, that is more of a comment than a particular
47 question, but it is something that we have raised in

1 relation to the pricing proposals of Sydney Water and
2 Hunter Water. We think discussion needs to be had because
3 it impacts not only on pricing but only on investment
4 decision.

5
6 MR HARRIS: Douglas, certainly for our part, that is not
7 how we approach our planning at all. We have a long-term
8 capital investment plan. It's actually a joint plan
9 between Sydney Water and WaterNSW. That plan broadly is to
10 support growth in this city or in Greater Sydney. The
11 impact, though, of the current severe critical and
12 prolonged drought is that some of those investments need to
13 be brought forward in a timing sense. We would not
14 otherwise have those investments in our pricing submission.
15 They are there because of the risk that the drought does
16 not break, the risk that, in the short term, the drought
17 continues. I think it is therefore the correct
18 characterisation of those costs to say are for drought.
19 The important point I am trying to make - and Roch may wish
20 to make a comment after me - is that the two utilities
21 absolutely do have a joint long-term plan to support
22 growth. Drought requires some different responses, though.

23
24 THE ACTING CHAIR: Do you want to respond?

25
26 MR CHEROUX: No, thank you.

27
28 MR BENTLEY: Could I make a point, sorry, Chair?

29
30 THE ACTING CHAIR: Yes, Jim.

31
32 MR BENTLEY: I think your point perhaps was: should we be
33 recognising in pricing structures that these droughts are
34 perhaps not extreme events initial but are normal events?
35 I think that was your point.

36
37 Just to speak to that, from the department's point of
38 view, and having had some involvement through a few years
39 with Hunter Water as well, I think IPART has an important
40 balancing role to play between if we were to load what
41 could be, some could say what is now business as usual, but
42 actually if it turned out to be a still more extreme event,
43 you would have some very sharp movements in prices.
44 I think we need to balance how do we get the right
45 incentive for the utility to continue to be efficient to
46 give good and relatively low prices, shall we say, to
47 customers with the ability to invest in these things for

1 the future.

2

3 My personal view, for what it is worth, is whilst
4 I recognise what you are saying, there is uncertainty in
5 whether the extent to which these "extreme" events should
6 be considered as normal events going forward. That's the
7 role I play in balancing those things.

8

9 MR CHEROUX: Roch Cheroux, Sydney Water.

10

11 In our recent submission in November we have used the
12 term "resilience". There is a very fine balance between
13 what is resilience and what is responding to a drought
14 situation, which is an exceptional situation. That is the
15 balance of the two that we need to get right.

16

17 THE ACTING CHAIR: Are there any more questions? Are
18 there any questions on Slido?

19

20 MR MANSELL: A question has come on Slido in about
21 contingent projects, but we can save that until session 2.

22

23 The last remaining question on Slido for WaterNSW was
24 submitted from Sharyn Cullis, and it is:

25

26 Regarding the Avon deep water access
27 project and the comments that Illawarra
28 will be the first supply to fail, how does
29 the Dendrobium expansion impact on that
30 risk?

31

32 MS CULLIS: Do you wish me to explain? I would be happy
33 to.

34

35 MR HARRIS: No, I understand.

36

37 MS CULLIS: But everyone in the room might not know that
38 it is a long-wall mining project. It is quite aggressive
39 and it certainly affects the catchment of the Avon.

40

41 MR HARRIS: You are right; Dendrobium is a mine within
42 that part of the catchment. Correct me if I'm wrong, but,
43 off the top of my head, I think the Independent Expert
44 Panel found that we were losing in the order of
45 8 megalitres a day out of the supply system through
46 fracturing and other things occurring at the Dendrobium
47 mine, which frankly was the basis on which WaterNSW made

1 its submission to the Independent Expert Panel.

2
3 MS CULLIS: Because you did invite my comment, could I also
4 say that, just recently, Dr Peter Turner, from the National
5 Parks Association, said the estimate was more likely to be
6 about 44 megalitres per day. Whilst he wouldn't be
7 necessarily regarded as having the same status, it was
8 interesting that the Chief Scientist very clearly was
9 uncertain about almost everything except that one estimate.
10 I am just wondering what your attitude would be towards
11 that estimate, given the fact that 8.5 is nowhere near the
12 44 megs that somebody else estimates.

13
14 MR HARRIS: Sure. There are a couple of issues there.
15 Our view would be that that 8 megalitres a day is on the
16 low side. By the way, our calculations are not quite as
17 high as Dr Peter Turner's; however, they are a lot higher
18 than the 8 megs a day. The Independent Expert Panel is
19 looking at that.

20
21 I think they are doing some very good work. You and
22 us and others are working with them, and that's the way we
23 will continue to work in relation to Dendrobium.

24
25 I think the issue, Sharyn, is that the Dendrobium mine
26 has approval to be carrying out some activities. Those
27 approvals were granted before, and there is certainly very
28 little that WaterNSW can do about those, if not anyone
29 else. The issue is whether - and the whole report was
30 whether - an expansion of that mine should be allowed.
31 That expansion would not be occurring under any conceivable
32 time frame within the time of the current drought.

33
34 With regard to your specific question with regard to
35 how does our Avon deep water access relate to the loss of
36 water out of Dendrobium, whatever is being lost now is
37 being lost now. Avon will buy us about two years time. On
38 top of whatever is being lost, it will buy us about two
39 years supply to the Illawarra.

40
41 The question of whether an expansion of that mine
42 should be allowed, that process will take enough time so
43 that, hopefully, our inflow situation will have turned
44 around before any actual workings are permitted there.

45
46 THE ACTING CHAIR: Anyone else from the floor? Any other
47 questions? We might move on to session now. I will hand

1 over to Ed Willett.

2
3 Session 1: Efficient expenditure, cost allocation and
4 prices

5
6 MR WILLETT: Thanks, Deborah.

7
8 In this session, we will be considering WaterNSW's
9 operating and capital expenditure, as well as its approach
10 to allocating costs between its customers. It will also
11 consider the price structures it sets to recover these
12 costs.

13
14 WaterNSW is proposing a significant increase in
15 expenditure over the 2020 determination period,
16 particularly on drought and the growth-related projects.
17 While we have engaged expert consultants to assist us in
18 determining the efficient level of costs it can recover
19 from customers, we are seeking shareholder feedback on its
20 expenditure proposals.

21
22 In relation to allocating costs and setting prices,
23 WaterNSW's proposed approach remains largely unchanged from
24 the previous determination period. However, we would like
25 to discuss the merits of changing its price structures to
26 better manage its revenue risk, for example, having a
27 greater proportion of its revenue comes from its fixed
28 charge and less from its volumetric or usage charge as you
29 have just heard.

30
31 In order to assist discussion, at the end of the
32 presentation, the IPART secretariat will post some
33 questions for conversation. I'll invite comment on these
34 questions from around the table on each topic. I will then
35 invite comments from the audience, and we will address
36 questions also from Slido relevant to this topic.

37
38 I call on Sarah Holdsworth and Letitia Watson-Ley to
39 introduce the discussion on additional expenditure, cost
40 allocation and prices. Thank you, Sarah.

41
42 MS HOLDSWORTH: We have engaged expert consultants to
43 review and make recommendations to us on the efficiency
44 WaterNSW's proposed operating expenditure. This includes
45 establishing the efficient level of operating expenditure
46 it requires, as well as considering its historical
47 performance and the potential for further efficiency gains

1 going forward.

2
3 As shown in the chart, WaterNSW underspent relative to
4 its allowance in the first part of the 2016 determination.
5 For this review, we are interested in understanding the
6 extent to which efficiencies from the 2015 merger between
7 the former Sydney Catchment Authority and State Water led
8 to this underspend; alternatively, whether it mainly
9 resulted from WaterNSW temporarily reducing its activities
10 during the merger period, in which case there potentially
11 remains scope for it to achieve greater merger
12 efficiencies.

13
14 In the second part of the 2016 determination, WaterNSW
15 changed its capitalisation rules - that is, the rules
16 around what operating expenditure can be converted into
17 capital expenditures. As shown in the bubble in the graph,
18 after adjusting for this change, we found that WaterNSW
19 exceeded its operating allowance.

20
21 Moving into the 2020 determination, WaterNSW is
22 proposing a small decrease in expenditure compared with its
23 2016 operating allowance. Part of its proposal includes
24 applying a 1 per cent annual productivity adjustment to its
25 operating expenditure. We are seeking feedback on whether
26 its efficiency target is sufficient, or if WaterNSW could
27 seek additional savings.

28
29 Our expert consultants will also review the efficiency
30 of WaterNSW's past capital expenditure as well as the need
31 for projects proposed for the upcoming 2020 determination,
32 WaterNSW is proposing to invest \$682 million in capital
33 expenditure in the upcoming determination, which is over
34 two and a half times the size of its 2016 capital
35 allowance.

36
37 We are particularly focused on its capacity to deliver
38 this relatively large suite of projects, especially since
39 it has generally underspent on its capital allowance in the
40 past, The exception being in the last two years of the 2016
41 determination where WaterNSW reports plans to advance
42 several projects due to the drought.

43
44 As we have heard, the drought is a key driver of
45 WaterNSW's capital expenditure program for the 2020
46 determination, and an example is the Avon deep water access
47 project, at an estimated cost of \$236 million. This

1 project aims to provide drought resilience to the Illawarra
2 by accessing deep water in the reservoir, providing up to
3 an additional two years of supply during prolonged drought
4 conditions.

5
6 WaterNSW's proposed capital program also includes
7 environmental projects with around \$100 million for
8 construction of the Warragamba environmental flow project
9 to improve the health of the Hawkesbury-Nepean River.

10
11 We note that, at present, the cost of WaterNSW's
12 proposed large expenditure is mostly offset by the current
13 low interest rates and if interest rates rise in the
14 future, this could increase WaterNSW's prices given the
15 size of its proposed capital program.

16
17 I'll now call on Letitia. Thank you.

18
19 MS WATSON-LEY: Thanks, Sarah.

20
21 Once we have determined WaterNSW's efficient level of
22 expenditure, we need to examine how those costs should be
23 allocated to its three different customers groups - Sydney
24 Water; the councils; and its raw and unfiltered water
25 customers. We also need to consider the price structures
26 that could be used to recover these costs.

27
28 WaterNSW is proposing to largely maintain its existing
29 cost allocation and price structures. That said, it has
30 proposed some changes to council charges. WaterNSW wants
31 to reduce current charges to each council by 1 per cent
32 over the 2020 determination period.

33
34 In previous price reviews, we would update those
35 charges to take account of the costs of supplying the
36 councils, as well as each council's share of bulk water
37 sales. Using our approach in the 2020 price review could
38 mean that some councils charges will vary by more than the
39 1 per cent decrease proposed by WaterNSW.

40
41 We are interested in hearing from stakeholders on this
42 potential change to council charges. While it may improve
43 pricing certainty to councils, it could mean that their
44 charges no longer reflect the underlying costs of supplying
45 the councils.

46
47 We are also seeking stakeholder comments on WaterNSW's

1 price structures. As previously mentioned it currently has
2 an 80:20 ratio of fixed charges to volumetric charges for
3 its prices to Sydney Water and the councils. We are
4 looking at whether to move to a greater fixed share, for
5 example, a 90:10 ratio. WaterNSW's costs are largely fixed
6 which means moving to a price structure with greater fixed
7 share could reduce its revenue risk.

8
9 In their feedback to the issues paper, most
10 shareholders supported maintaining a predominantly fixed
11 share of charges in WaterNSW's price structure.

12
13 MR WILLETT: Thank you, Sarah and Letitia.

14
15 We have prepared some questions to focus discussion.
16 As I indicated earlier on, we will start with responses
17 around the table before turning to the audience, and then
18 we will turn to Slido questions. I encourage anyone who
19 has a question, if they don't feel like standing in front
20 of the audience, to put their question to Slido.

21
22 I won't read out the first question. I think we can
23 all see it on the screen. David, or anyone from WaterNSW,
24 do you want to start on that?

25
26 MR HARRIS: Yes, could I make a few comments in relation
27 to both opex and capex. Firstly, in relation to opex, it
28 is very important to remind people that in our late 2015
29 early 2016 pricing submission, we cut our opex by in excess
30 of 20 per cent. My recollection was 30. Others around the
31 table are saying mid-20s, but, nonetheless, that was a huge
32 step change in our cost base that we delivered at that
33 time. We are backing that up again this time with further
34 cost decreases, together with a 1 per cent efficiency
35 dividend across our business.

36
37 I really want it registered, here as the chief
38 executive officer of this organisation, that we have taken
39 leadership in that. Our executive team aggressively seek
40 efficiencies. We are doing the best we can. I would be
41 very concerned about my organisation if we were to lose
42 anymore opex than that, having regard to what we delivered
43 back in 2016. We need good people. We are a complex
44 business that has a variety of functions that we need to do
45 well for the benefit of not just our customers but our
46 communities.

1 My genuine position on cost efficiency is we are doing
2 the best we can. We have put our best foot forward, not
3 just in this determination but in the previous one, and
4 I would like our performance to be judged across those time
5 periods.

6
7 Sarah mentioned our capacity to achieve capex. We
8 have - and this is detailed in our pricing submission -
9 made a number of changes since our last submission in terms
10 of how we deliver our capex programs. Indeed, I might say
11 on both our general Greater Sydney and our rural
12 determinations, we are forecasting a significant overspend
13 delivered, a deliberate overspend, on capex during the
14 current determination periods. We have fundamentally
15 changed the way that we deliver our maintain capability
16 program which, in essence, is our asset maintenance
17 program. That is fundamentally different from where we sat
18 for 2016.

19
20 Next week, we are going out to the market with an
21 expression of interest for a delivery management partner to
22 come in and assist us across all of our capital projects,
23 or at least our major capital projects, to help us push
24 through that capital spend. We had an industry briefing on
25 that matter just last week. The EOI for that is going out
26 next week, as I said. Our ability to achieve is absolutely
27 fundamentally a different place from where we were in the
28 2015-16 submission.

29
30 MR WILLETT: Thank you very much, David. Roch, for Sydney
31 Water's response?

32
33 MR CHEROUX: We are in constant discussion with David and
34 his team. We have discussion on costs because we obviously
35 buy services and water from WaterNSW, so cost for us is
36 really an important part of it. We are satisfied with the
37 submission that WaterNSW has presented and the efficiency
38 that they are trying to get out of the business.

39
40 MR WILLETT: Thank you. Jim?

41
42 MR BENTLEY: No, thanks. It is not a role for the
43 department.

44
45 MR WILLETT: Thank you. Anyone from the audience?

46
47 MR EDLER: Good morning. I am Mark Edler from Flow

1 Systems.

2
3 Let me start by saying that what we have heard is
4 heartening and we support the department and WaterNSW,
5 particularly in their planning work, in their long-term
6 planning work, and also the efficiencies that WaterNSW has
7 managed to extract from its operations.

8
9 We feel for WaterNSW in their dilemma around the
10 disconnect between long-term planning and the pricing
11 cycle. I guess we think that the answer to that is to make
12 sure that we are not really undercutting the good work that
13 WaterNSW is doing, that we are allowing them a sufficient
14 operating and capex budget for that changed set of
15 circumstances that we see in our economy going forward. We
16 agree with the Public Interest Advocacy Centre on that
17 point.

18
19 I would ask a question, though, around the balance
20 between usage and fixed charges. We do understand,
21 I guess, that the starting point for the discussion we have
22 had so far is around revenue and revenue security and
23 underpinning the security of WaterNSW. I would be
24 interested to know whether WaterNSW has done any work on
25 understanding the effects of those price signals through
26 the customer chain through Sydney Water to the end
27 consumer, and the value that is placed on bulk water, and
28 whether that balance is appropriate in light of that.

29
30 MR HARRIS: The short answer to that strictly is no. We
31 are the wholesaler to Sydney Water. Sydney Water's
32 customers are the end use customers.

33
34 Just to put this whole discussion in context, though,
35 we are about 8 per cent of Sydney Water's cost base.
36 I think that is probably a marker that people need to
37 reflect on when they are talking about whether it is 80:20
38 or 90:10.

39
40 I thank Roch for his comments. As you know, we have
41 an 80:20 fixed variable split on our rural valleys. It
42 reflects simply the fixed cost nature of our business.
43 IPART has dropped the thought there about increasing that.
44 I guess I would describe that proposal as lukewarm from us
45 around the 90:10, or whatever. I think this conversation
46 needs to be brought back to the fact that we are just 8 per
47 cent of the Sydney Water cost base.

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MR WILLETT: Thank you.

MR EDLER: Thank you, David. I guess my question is more around I think we have an absence of information here. Yes, you are 8 per cent and, yes, you have largely fixed costs, but we have articles in the press around the cost of bulk water that seem to be indicating actually from a whole of market perspective that there is not an understanding of the value of water. We are not talking necessarily a scarcity price, but the longer term value of bulk water does not seem to be playing out in the public discussion as something that is worth investing in. I would have thought it would be incumbent to do a bit of work around asking at that wholesale point what are the impacts of the fixed versus usage charges throughout the whole system. But thank you for your comments.

MS BRAKEY: Perhaps Matt could talk about the way that we set Sydney Water's prices to end use customers, which is a broader concept than the pass through of WaterNSW's costs through to Sydney Water.

MR EDGERTON: Sure. My name is Matt Edgerton. I am the executive director of water pricing at IPART.

Mark, when we are looking at WaterNSW's price structure for Sydney Water, probably what is of most relevance is what incentives that provides to Sydney Water. When we are then looking at Sydney Water's prices to end use customers, we are looking at what incentives they provide to the broader community. I think a lot of what you are talking about in terms of the value that the broader community places on water is particularly pertinent to the question of how should we structure Sydney Water's prices.

Today the way IPART has set Sydney Water's price is basically to set the water usage price with reference to an estimate of the long run marginal cost of water supply. That is basically an estimate of the costs involved over the long term - over 30 to 50 years, for example - of ensuring that supply matches demand, so it does factor in future required augmentation costs so that supply meets demand. To date that is how we have set the usage price for Sydney Water.

1 We obviously expect that to be a key part of the
2 conversation in a couple of hours when we move on to the
3 Sydney Water public hearing, and that will be one of the
4 key elements of our whole review, because that really does
5 get to the question of what price signal is sent to the
6 broader customer base. Here, I think the key question is
7 what incentives does the price structure provide to Sydney
8 Water and how would they react to a higher usage price
9 versus a higher fixed price; for example, does it have any
10 implications on its leakage water?
11

12 MR EDLER: I understand that, and the conversation could
13 go on.
14

15 As an alternative provider of water, Flow would like
16 to see more of that discussion at the wholesale level so
17 that the market actually works appropriately at the
18 wholesale level and sends the right market signals to
19 investment at the wholesale level, and that the options
20 around where we get our water from as a city are in a
21 proper price context, and that involves having proper price
22 signalling and valuing bulk water.
23

24 MR WILLETT: We will take that on board for the moment.
25 I think you are probably talking more about wholesale
26 prices by Sydney Water than WaterNSW, but I understand the
27 issue. As Matt, said we will be talking about Sydney
28 Water's prices later on this afternoon.
29

30 We have been jumping ahead a bit of ourselves, but
31 before I leave the first question, is there anything else
32 from the floor on operational efficiencies? Anything from
33 Slido on that? Yes, sorry?
34

35 MR McCLOSKEY: I wanted to follow up on that point, just
36 to be on record. We share the perspective that the whole
37 supply chain needs to do the job. It is not enough to try
38 and make retail prices do the whole job of reflecting costs
39 and changing usage behaviour to reflect the value of the
40 resource.
41

42 It is probably worth citing the example in our
43 electricity system. You try to have each element of that
44 chain operate efficiently and provide the correct
45 incentives. We are concerned that having such a high level
46 of fixed cost at the bulk level does not provide those
47 strong incentive structures that can feed through and do

1 the job at the bulk water level that is then being asked to
2 be taken up at the retail level, particularly when you
3 factor in the ability for providers such as Flow and others
4 to do so.

5
6 Again, obviously a discussion will be had more in the
7 Sydney Water section, but we think that this is a key
8 element. We are very concerned, and far from moving
9 towards 90 per cent or 100 per cent fixed, we would like it
10 to be going into another direction.

11
12 MR WILLETT: We certainly hear that and I think there will
13 be agreement.

14
15 MR PIZZINGA: Joe Pizzinga, WaterNSW.

16
17 I might comment that I think electricity is well ahead
18 with of water. The dilemma we have is that there is no
19 market price for water. Even if you said to WaterNSW,
20 "Move more to variable", WaterNSW would then become a price
21 setter for water, and I don't necessarily think that is
22 appropriate. There should be a market mechanism that sets
23 that. Unfortunately, the water industry just does not have
24 that mechanism to allow for that at the moment.

25
26 MR EDLER: It is a barrier to that.

27
28 MR WILLETT: Thanks for that.

29
30 Are there any further questions from the floor on
31 operational efficiency? Do we have anything from Slido?

32
33 MR MANSELL: We do. A number of questions have been
34 covered in that discussion, but there is one additional
35 question to WaterNSW, from anonymous, which is:

36
37 How does WaterNSW's assumption of growth
38 and demand as a driver of increased
39 expenditure relate to the level 2 water
40 restrictions which will be in place next
41 month?

42
43 MR GEORGE: Andrew George, WaterNSW.

44
45 The lens we look at together, with Sydney Water and
46 the department obviously, is demand and drought response
47 are two very different things. With drought being very

1 acute and the government's response with Sydney Water
2 introducing level 2 water restrictions that is seen as, I
3 guess, simplistically different from the planning that is
4 done for long term growth, other than to note that for
5 drought we may bring forward long-term growth options to
6 address the acute drought situation.

7
8 MR WILLETT: Matt, are there any other questions??

9
10 MR MANSELL: Yes, an additional question came up as a
11 follow-up:

12
13 There is a lot of discussion regarding
14 capex and augmentation. The government are
15 embracing opportunities relating to reuse.
16 What does this do to WaterNSW's plans?

17
18 MR HARRIS: I think that actually goes to that earlier
19 question. The long-term capital plans of both the
20 organisations see revenues ramping up and, indeed, having
21 the simple effect, if you like, of pushing out a number of
22 our long-term projects, pushing them further out, with
23 Sydney Water bringing forward its investments in recycling,
24 and we support that.

25
26 The drought, though, as Andrew has just indicated, is
27 an acute water availability issue, not a supply and support
28 growth issue. So the time frames of those two things are
29 very different. Did I answer the question?

30
31 MR MANSELL: Yes.

32
33 MR WILLETT: I am sure we will get a follow-up if you
34 haven't.

35
36 Matt, is there anything else?

37
38 MR MANSELL: No.

39
40 MR WILLETT: We have jumped around a bit on these
41 questions. I will go through them to make sure that we
42 don't miss out on someone who has saved up for a particular
43 question. We have touched on appropriate allowance for the
44 drought and growth. Is there any further comment on that
45 area that people want to make?

46
47 MR BENTLEY: Could I make a comment. There was a question

1 before and David talked about what the government is
2 looking at in terms of recycling. It is true we are
3 looking at what the role of recycling should be going
4 forward. Whilst there is the potential for recycling to be
5 used to augment supply potable water, we are not at that
6 point yet.

7
8 There are many needs for water beyond the potable
9 purpose. There is a piece of work that we are embarking on
10 just now to ask: what is the role of recycled water going
11 forward? There is nothing in WaterNSW's or Sydney Water's
12 current plans that prevents us from moving to any of those
13 options should we choose to. I think people should have
14 confidence that the policy work around recycling will not
15 be tripped up by the work of either of the SOCs or vice
16 versa.

17
18 MR WILLETT: I think that is the way we have seen it as
19 well, so thank you for that.

20
21 Drought and growth? Accommodation? No. Pricing to
22 councils? Does anyone have a comment or want to ask
23 anything in relation to that? Anything from the floor?
24 No.

25
26 Matt, nothing from Slido?

27
28 MR MANSELL: No.

29
30 MR WILLETT: I think we have already spoken at length
31 about the pricing structure, but one last chance if anyone
32 wants to raise anything in relation to the question of the
33 current 80:20 pricing structure.

34
35 Thank you very much for everyone's participation in
36 that. That was a useful discussion. I will now turn over
37 to my colleague Anna.

38
39 Session 2: How best to share risk between WaterNSW and its
40 customers

41
42 MS BRAKEY: Thank you, Ed.

43
44 WaterNSW considers that a well-functioning regulatory
45 framework needs to ensure a reasonable sharing of risk so
46 that a business can recover its efficient costs, meet
47 customer obligations and remain financially viable. We

1 have just talked about the efficient costs and how those
2 costs are allocated between customers.

3
4 In this session we want to focus on unforeseen and
5 unexpected costs and risk that might arise during the
6 regulatory period that are not already included in the
7 prices proposed. This is a key focus of WaterNSW's pricing
8 proposal.

9
10 WaterNSW's pricing proposal includes other risk and
11 incentive mechanisms, such as those listed on the slide.
12 However, for the purpose of this discussion now, we want to
13 focus on three key areas, which is to look at WaterNSW's
14 proposal to expand its cost pass through mechanism to
15 manage risks associated with regulatory change events and
16 catastrophic events; to discuss its proposal to establish
17 mechanisms to address other unforeseen major projects; and,
18 lastly, to discuss the proposal to demand voluntary
19 adjustments.

20
21 I will now invite Shirley Lam and Maricar Horbino to
22 provide a presentation.

23
24 MS LAM: Thank you, Anna.

25
26 Before we move on from this slide, I would like to
27 point out that we have a cost pass through framework and
28 criteria which we use to assess proposed cost pass through
29 mechanisms. These are outlined in the box to the right.

30
31 We consider that our criteria is designed to ensure
32 the cost pass throughs are limited to situations where it
33 is more efficient to pass the risk on to customers and
34 where prices become more cost reflective to provide that
35 assistance to customers.

36
37 We are open to exploring further about whether our
38 framework is meeting, or could better meet, these
39 objectives of creating the right incentive to manage the
40 cost risk arising from unexpected events.

41
42 In its pricing proposal, WaterNSW indicated that
43 prices we set do not factor in unforeseen costs from
44 regulatory change, service standards or tax events and/or
45 catastrophic events from terrorism or natural disasters.

46
47 To manage these cost risks, WaterNSW proposes to

1 establish new cost pass through mechanisms for these two
2 events, which will include a 2.5 percent materiality
3 threshold of the annual revenue requirement, which is
4 approximately \$5 million, and is symmetric in that it
5 applies to both positive and negative cost events.
6

7 So what feedback did we receive on the proposal? We
8 received two submissions that were concerned about
9 this. In particular, Sydney Water indicated that the new
10 cost pass through mechanisms can inefficiently shift risks
11 to end use customers. Meanwhile, Flow Systems indicated
12 that having a cost pass through mechanism for these types
13 of events may result in WaterNSW not having the right
14 incentive to plan for, or engage with, potential regulatory
15 change or plan for catastrophic events. They also noted
16 that the proposed threshold may increase barrier to entry
17 of alternative water sources.
18

19 So how does the current regulatory framework address
20 this? As discussed in the previous slide, we assess
21 WaterNSW's pricing proposal against our cost pass through
22 framework. If WaterNSW considers the impact arising from
23 uncertain or unforeseen events materially affects its
24 operating environment and financial position such that it
25 requires price adjustments immediately, our framework
26 allows WaterNSW to apply for an early price determination.
27

28 We acknowledge that this option is not preferred by
29 WaterNSW. We also acknowledge WaterNSW's concerns that our
30 current cost pass through criteria may not help them
31 address these types of cost risks.
32

33 However, we consider our criteria adequately achieves
34 the objectives of only passing through cost risks to
35 customers if it is efficient to do so and if it provides
36 better signals to customers. We would like to explore this
37 in the discussion shortly. Thank you.
38

39 MS HORBINO: In session 1, we talked about WaterNSW's capex
40 proposal of \$682 million. WaterNSW has excluded a number
41 of drought-related projects that it is investigating due to
42 uncertainty around the scope, timing or costs. Therefore,
43 it is exposed to the risk of any of these projects
44 proceeding during this determination period and not being
45 able to adjust its revenue requirements and prices.
46

47 WaterNSW is proposing three approaches to address this

1 risk:

2

3 From its preferred approach of having mechanisms that
4 will adjust prices during determination if a project
5 proceeds;

6 Then, to have a pre-approval process to incur costs
7 during the period and being able to recover these costs at
8 the next price review; and,

9 Lastly, to seek an early determination.

10

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Some stakeholders are concerned about WaterNSW's preferred approach due to the high level of uncertainty that may result in significant price and bill increases. Instead, they agree with our preliminary view to use existing mechanisms which range from WaterNSW reprioritising its capex to WaterNSW seeking an early determination.

A shorter determination period could also be an option. However, when setting the length of the determination period, we would consider a number of factors, not just project risk.

We are interested in hearing your views on whether the existing mechanisms adequately address the project risk or if there is merit in WaterNSW's preferred approach.

When setting prices, WaterNSW is exposed to risk when demand for water is volatile. To address this, WaterNSW is proposing to have a demand volatility adjustment mechanism that would deal if there is a material change in water demand over the period.

To date, we have received two submissions on this proposal:

Firstly, WaterNSW maintains its position to have a demand volatility mechanism even if we make the price structure more reflective of its cost structure.

Then, we received a submission from Sydney Water, which does not support WaterNSW having a demand volatility mechanism.

We are interested in hearing your views on this matter, whether WaterNSW needs a demand volatility mechanism or if it should retain some risk, noting that risk exposure is mitigated by having 80 per cent of its

1 revenues from fixed charges. That's it from the
2 secretariat. Thank you.

3
4 MS BRAKEY: Thanks, Shirley and Maricar.

5
6 There are questions on the screen which we will leave
7 on the screen and anybody can come back and look at those
8 at any time.

9
10 Could I invite WaterNSW to respond to any of the
11 issues raised.

12
13 MR MARTINSON: Thank you. Yes, we certainly have comments
14 on each of the questions. The first one in terms of
15 affecting the incentives to manage the risks of unexpected
16 events, I'll answer in terms of the presentation that was
17 just put up as well, which was sort of separating out the
18 approach to cost pass through and then our approach for
19 contingent and contingent projects.

20
21 The difficulty we are facing with the current
22 framework is that the types of projects that we are looking
23 at phasing in and investing in over the next few years are
24 uncertain in terms of cost and timing. What we are seeking
25 is that IPART's current cost pass through framework works
26 very well if you have cost certainty and you can set a
27 price prior to the period, and the only thing that is
28 really uncertain is the timing of whether or not the event
29 will happen during the period. If that is the case, you
30 can set a price to begin with and customers have visibility
31 of that price. If the event were to happen through that
32 period, it would be triggered and customers would then be
33 charged that price.

34
35 From our perspective, we see that the world that we
36 are facing does not really operate quite that neatly. The
37 cost of some of the projects we are looking at really does
38 not blend itself very well, certainly for the larger
39 investments, to a cost pass through framework.

40
41 If there is uncertainty over the timing of when it
42 will happen, the materiality of a project we think is the
43 better framework to be looking at - the contingent projects
44 regime.

45
46 A contingent projects regime is commonplace in many
47 other regulatory jurisdictions. It is a key component of

1 the ACCC's regulation of the water sector; it is a key
2 element and the Australian Energy Regulator's approach to
3 regulating electricity networks; transmission businesses
4 within electricity it is a core element of what happens
5 within the framework. OfGem applies an approach where it
6 looks at certain projects during a regulatory period.

7
8 I think the feeling we are kind of left with here is
9 the fact that in regimes where the treatment of uncertainty
10 has been revisited and reviewed, most of those frameworks
11 have come up with some view that would say an adjustment
12 within a regulatory period is a reasonable thing to be
13 looking at. It effectively manages risk, which is not just
14 solely in the interest of businesses, but if it is
15 providing a disincentive to invest in a project that is
16 needed during a period, that is not in the long-term
17 interest of customers. We believe that a mechanism that
18 does allow you to deal with significant projects during a
19 regulatory period is certainly a valuable thing for
20 customers and their long-term interests.

21
22 MS BRAKEY: Can I talk about that for a moment. You have
23 spoken about the other industries where that applies, and
24 I think there is good reason that those sorts of approaches
25 apply, but we do need to recognise our legislative
26 constraints as well. Our legislative framework is
27 different from all of those examples that you have just
28 provided. This means that while we might be able to look
29 at a contingent project, we might need to look at it in a
30 different way from those other frameworks that you have
31 spoken about. We need to recognise that because we don't
32 have a clean sheet of paper to start from here. We
33 actually have a framework that we need to be bound by.

34
35 MR MARTINSON: I certainly understand that. The shorter
36 term and the longer term, I guess, reply to that is if
37 there is a view that the current framework for regulation
38 under the IPART Act does not allow a mechanism that will
39 allow for a reasonable management of uncertainty similar to
40 what does happen in other jurisdictions, then I think that
41 is probably a longer term issue.

42
43 MS BRAKEY: I think we can manage it; it is just the way
44 that we manage it might not be exactly the same as the way
45 it has developed in other circumstances.

46
47 MR MARTINSON: From a shorter term perspective, I think

1 there are examples where IPART has effectively adjusted a
2 determination within a regulatory period for uncertainty.
3 There are examples of electricity costs that are in Sydney
4 Water's determination from the Sydney Desalination Plant.
5 It relied on a decision made after the IPART decision for
6 that entity that has changed the outcome within a period.
7

8 IPART has been able to update a determination within a
9 period, and I guess our view is that the legislation does
10 not strictly prohibit IPART from looking at this. There
11 have been examples where decisions have been made by
12 another regulator. In the instance of SDP, where the
13 Australian Energy Regulator makes a decision for
14 electricity once the decision was made, SDP's subsequent
15 determination was updated for that outcome.
16

17 If we look at contingent projects in a similar light
18 that says they could be reviewed within the current
19 framework and a subsequent decision made by IPART on that
20 project, there could be a mechanism that could allow IPART
21 to make an adjustment within the period.
22

23 MS BRAKEY: There is such a mechanism, but you talked
24 about the certainty earlier. The example that you gave
25 was, in effect, that we were passing through something that
26 we did not need to decide during the period because it was,
27 in effect, a certain pass through from somebody else. To
28 the extent that we can do something like that, we can
29 operate here. Where we actually need to make a decision
30 and apply discretion during the regulatory period, that is
31 where we come across a constraint.
32

33 MR MARTINSON: Again, a couple of examples were provided
34 in our response to the issues paper. We think that there
35 could be some ground where discretion could be applied
36 within the period. That is something that we would like to
37 explore with IPART over the next few months. We think it
38 is possible.
39

40 Again the IPART Act is not as clear as probably anyone
41 would like it to be in terms of how to deal with these
42 issues. It does not necessarily move away from our view to
43 say that we think the approach of contingent projects is
44 the right one. We think this is a good mechanism for a
45 large projects, that are of significance, to be able to be
46 addressed within a period. Again, we think that is on the
47 basis of the long-term interest of customers and, yes, we

1 would like to work with IPART to see if there is a way to
2 address that during the period.

3
4
5 I have a comment on question number 3 or would you
6 like to deal with it later?

7
8 MS BRAKEY: Would you like to deal with question 1 first
9 or --

10
11 MR McCLOSKEY: Just in response to that discussion, a
12 number of the frameworks that you cite have a framework for
13 regulatory investment tests that often relate to those
14 contingent projects. Something to consider, if we are
15 going to move down the road of having contingent projects
16 where a lot of it is related to timing, is that that
17 framework, particularly in the energy system, whether it is
18 operating smoothly or not, is intended to provide some
19 transparency and ability to assess the nature of those
20 projects and their timing alongside the regulatory period.

21
22 I know that is probably not something that will be
23 able to be considered through this process, but if IPART
24 does move down the road of considering a framework for
25 contingent projects, then we would certainly want to see
26 some sort of investment test framework that would be
27 alongside it.

28
29 MS BRAKEY: We would agree entirely that that is a key
30 part of a contingent project regime.

31
32 MR MARTINSON: Can I respond to Douglas.

33
34 Thanks you for your comments, Douglas. One example of
35 contingent projects is in the electricity sector, where
36 there is the regulatory investment test that you mentioned.
37 However there are other regimes where that is not
38 necessarily the case, though.

39
40 If we look at the recent legislative changes to the
41 water charge infrastructure rule, that has brought in for
42 the regulation by the ACCC of water utilities, not only
43 regulatory events, but also contingent projects where there
44 is not a separate regulatory investment test. I think the
45 ESC, in Victoria, has flagged that there is a mechanism for
46 addressing contingent projects within a period.

1 During a recent review, the Essential Services
2 Commission of South Australia has recently identified that
3 there need to be an intra-period review of projects in
4 order to support investment that needs to happen during
5 that period. I gave the previous example of OfGem, which
6 does not specifically use contingent projects but has a
7 reopener provision, which reflected that there is a need
8 within a period to examine these projects.
9

10 I guess I am flagging that this is something which we
11 think is a very useful mechanism in order to address
12 uncertainty. It is a mechanism that has been used. It has
13 widespread use within regulatory jurisdictions and
14 industry. From that perspective, it something that we
15 think really is suited for the type of uncertainty that we
16 are facing with our investment moving forward. Obviously
17 we would like to work with stakeholders and IPART to
18 identify a way that that mechanism could be given effect
19 during the upcoming determination.
20

21 MR CHEROUX: Can I give a piece of feedback on what was
22 presented before. It was said that Sydney Water was not
23 supportive of the pass through principle and the demand
24 adjustment principle. Actually, that is not correct. We
25 are absolutely supportive of these two principles. The
26 discussion that we wanted to put in our submission was more
27 about the mechanism, and this is exactly what we have just
28 discussed.
29

30 We are supportive of WaterNSW's proposal. The
31 discussion is more the mechanism, how we address the cost
32 pass through and what are the mechanisms that we would use
33 to do that, and it is the same for the demand adjustments,
34 but the principles, we are absolutely supportive of them.
35

36 MS BRAKEY: Thank you, Roch. Mark?
37

38 MR EDLER: Thank you. I think I should start by just
39 helping the tribunal understand a little bit with regard to
40 what Flow's submission was, given that we have been quoted
41 this morning.
42

43 Our submission was limited to the regulatory event and
44 catastrophic event pass throughs, which is different from
45 the contingent infrastructure projects.
46

47 Also our point was that we would not want to see

1 WaterNSW forced into a corner, if you like, and not allowed
2 sufficient revenue in order to do prudent planning for
3 those types of events and be forced into a pass through
4 mechanism. It has quite a different weight than I think
5 was probably inadvertently given this morning in the
6 presentation.

7
8 When we are talking about those extreme event pass
9 throughs, I would ask the question: why have they been
10 pulled out now as cost pass throughs where they are the
11 kinds of risks that are always around? It does not seem to
12 be a particular reason for them to be pulled out right now
13 as a pass through. Is there any thinking behind that?
14

15 MR MARTINSON: Thank you for your question on that. In
16 terms of pulling it out of our puzzle, the way we looked at
17 was given that we are, I guess, as part of a four-year
18 determination project and we do have to put forward our
19 expenditure, our revenue proposal for the period, we do
20 have to make an assessment in terms of the underlying
21 capital and operating costs that are part of the framework
22 moving forward.
23

24 The difficulty that we faced was that there were some
25 potentially significantly large investments - drought
26 related - that did have significant construction costs
27 associated with them. How do you deal with that and how do
28 you incorporate that as part of your regulatory
29 determination? One option that has been used in other
30 companies and other jurisdictions was to say, "Well, let's
31 say maybe this project might go ahead and we think there is
32 a 10 per cent chance of that so we will include some costs
33 in our proposal", or something of that ilk.
34

35 The difficulty with doing that, when you are talking
36 about large projects, is that if those projects go ahead,
37 then we have incorporated costs within our determination
38 that have resulted in prices that are higher for customers
39 than they would otherwise be.
40

41 Under the circumstances, and with the types of
42 projects we are dealing with, we thought it was a more
43 appropriate framework for those specifically large projects
44 - not all the projects that we are facing, but the ones
45 that are a significant portion of our RAB - we thought it
46 was it was a better approach to deal with those as a
47 contingent project, where the only costs that we included

1 in our proposal were some preliminary planning costs, but
2 the actual detailed design and construction costs have not
3 been included and therefore are not in the prices we put
4 forward. That was the rationale behind why we did it.

5
6 MR EDLER: Thank you, Michael. I have been unclear again
7 obviously. I guess my question was directed to the
8 regulatory and catastrophic event pass throughs, not the
9 contingent projects.

10
11 MR MARTINSON: I am happy to talk to that one as well.

12
13 In terms of the cost pass throughs, we are looking at
14 things such as tax events, regulatory events, if there is a
15 new change in regulation that would apply to us that would
16 increase costs of providing services. Again it's a common
17 feature in most regulatory frameworks, including IPART, to
18 have a mechanism to deal with those types of events.

19
20 If there is a change in regulation with increased
21 costs during the period, I guess from our perspective, we
22 think an organisation should have the ability to recover
23 its efficient costs during the regulatory period. Having a
24 framework where you need cost certainty up-front on a
25 matter that might change during the regulatory period, even
26 if we are talking about tax changes or regulatory event
27 type changes, is problematic and virtually impossible at
28 the start of the period because you don't know what that
29 change might be during the period.

30
31 If we are looking at costs that are in the order of
32 1 to 3 per cent of regulatory revenue, those types of
33 projects that are up to the \$5 million kind of range, as
34 the minimum of the threshold, the current approach of
35 saying, "Let's have an early determination", and having
36 everything reviewed, like we are doing now, for a change
37 that could cost anything from \$5 million to \$20 million
38 seems inefficient to us. It introduces a range of
39 administration and a regulatory burden on customers, on
40 ourselves and on IPART. We think having the mechanism that
41 allows us to deal with costs that might arise during the
42 period is a sensible way to go forward.

43
44 It also gets back to the view that IPART's current
45 cost pass through approach effectively requires you to have
46 cost certainty of an event before it happens. You will
47 cost that out and price it. If that event is triggered

1 during the period, then you can charge that price. The
2 difficulty is, again, if we could foresee all these things
3 we may be doing something different from what we are doing.
4

5 I am just flagging the fact that cost certainty is
6 something that really does not exist. It would be great if
7 it did exist and we had perfect clarity and certainty of
8 costs, but we are not operating in that framework. That
9 was really the basis behind our view of why we say a
10 regulatory event and a catastrophic event cost pass through
11 was an acceptable mechanism.
12

13 MR EDLER: Thank you for that answer. I agree that they
14 are not predictable. I guess my question was more why now
15 and not last pricing period?
16

17 MR MARTINSON: I can't answer that, other than the review
18 of the fact that we are looking at managing uncertainty
19 holistically through the regulatory framework to make sure
20 that it does facilitate efficient investment. We have
21 taken a look at it, managing risk through that lens, and
22 one of those areas, I guess, was managing cost uncertainty.
23

24 MS BRAKEY: Are there any other questions from the
25 audience?
26

27 MR EDLER: Anna, sorry, just for the record could
28 I clarify also in relation to the pricing, which was
29 session 1, I was referring to bulk water prices not to
30 wholesale water prices charged by Sydney Water to WICA Act
31 licensees.
32

33 THE ACTING CHAIR: There have been two themes with the
34 level of prices that have come through - one is that,
35 particularly in an environment where there is a water
36 shortage, then there should be prices that reflect the
37 value of the water and the cost of supplying that water.
38 Then there is usually another general theme that we should
39 not put any additional cost into water prices unnecessarily
40 and that those costs should get adequate scrutiny because
41 we want to make sure that we are not overcharging people
42 and that water is still affordable.
43

44 The debate that we are having at the moment around
45 contingent projects kind of has an impact on those. It is
46 very hard to get things absolutely correct all the time.
47 So you can err on the side of putting the costs in up-front

1 and therefore having the full cost of drought built into
2 the prices. You can err on the side of being careful not
3 to put too many costs in so that you are making sure that
4 the prices are not too high. Getting things absolutely
5 correct is always very difficult.

6
7 What are people's views on that balance between where
8 we need to be? What is the important balance to get right
9 there? Douglas?

10
11 MR McCLOSKEY: I think it is a really valid question and
12 it is a discussion that needs to be had and one we are keen
13 to have.

14
15 As we mentioned before, we want to see the whole
16 system working towards the most efficient valuing of the
17 resource of water and the appropriate valuing of the
18 resource and the most efficient use of it in a sustainable
19 way.

20
21 We feel that part of the problem in the way that we
22 treat it now is we don't reflect the full cost of the
23 resource until we don't have secure access to it. That
24 does not provide the long-term signals, one, for its
25 conservation; two, for its efficient use; and, three, for
26 investors, and it lacks third party access to allow the
27 utilities to be able to put in place a system that may
28 treat it in a way that is more sustainable.

29
30 We would like to have a discussion about what that
31 balance is and about whether it is appropriate to reflect
32 more of those scarce price signals permanently in
33 reflection of two things which have been raised, and are
34 generally agreed:

35
36 One, we are responding to a growth future where, even
37 were there to be no change to the access to the resource,
38 the number of people who will be drawing upon that resource
39 has an impact upon its sustainability; and,

40 Two, overlaid with that framework is the fact that
41 that resource is not guaranteed and that there is
42 increasing uncertainty, not just through specific drought
43 events, but through increasing frequency of those drought
44 events and through increasing severity of those drought
45 events and the other impacts that that has.

46
47 We think it is appropriate to reflect those two things

1 more permanently in the price of the resource and we feel
2 that the current framework does not necessarily do that.
3 As a consumer representative, we are very much in a
4 position of wanting to ensure that it is sustainably as
5 affordable and cheap as possible, but we think that it does
6 no consumers any favours if we underprice the resource as
7 business as usual to the point that we make it
8 unsustainable and that we don't make the investments and
9 the behavioural decisions that put that resource on a
10 sustainable footing.

11

12 That is not necessarily an answer to the question, but
13 increasingly we are leaning to the fact that we want a
14 system that reflects more of those long-term realities in a
15 permanent price structure.

16

17 MS BRAKEY: Thank you. Were there any other comments from
18 the audience at this stage or anybody at the roundtable?
19 We might move to Slido then. Sorry, Sharyn?

20

21 MS CULLIS: At the risk of bringing this down to a very
22 basic level, because this discussion is very high level,
23 you have asked a question that I think requires that some
24 commonsense be brought into the discussion. I would say a
25 couple of things, and this is not the position of my
26 organisation; this is the person who walks in and sits down
27 and find themselves perhaps in the wrong forum. But
28 I would say that I actually got some training in economics
29 a long time ago. I believe that it is really important to
30 some degree to let the market determine the value of a
31 resource.

32

33 It is quite expensive for me relatively to buy bottled
34 water, yet basically our whole system seems to undervalue
35 the value of our water, and we should, I believe, be paying
36 more for it, if that can be done in a way that is socially
37 equitable because that is also a consideration. I am
38 actually saying that I think, rather than the selfish
39 response, the commonsense response has to be, "We do not
40 pay enough for water", and we do not plan enough for
41 catastrophic long-term scenarios that might involve
42 something like within our protected catchment areas.

43

44 For example, I've actually heard people suggest the
45 scenario that, in the future, we could reach an ecological
46 tipping point in the metropolitan catchments if there is
47 continued damage to things like upland swamps which keep

1 base flows in our streams that supply our drinking water
2 dams. I think we all need to be considering those sorts of
3 issues. Thank you. Is that a response that you're looking
4 for?

5
6 MS BRAKEY: We are looking for all responses.

7
8 Do we have some questions from Slido?

9
10 MR MANSELL: We do. Firstly a question from anonymous:

11
12 If there is no transparency about the value
13 for the contingent projects, how do we know
14 that the uncertain cost is efficient if it
15 is just going to be passed through into
16 prices?

17
18 MR PIZZINGA: I think somebody mentioned earlier that
19 there needs to be a mechanism, and the devil is in the
20 detail. Our view would be that, should there be need for a
21 contingent project, we would engage with IPART and we would
22 engage with customers on that project. There would be full
23 disclosure, an opportunity for IPART to do a prudence and
24 efficiency test. Anything that is contingent generally is
25 urgent. All we are really saying is we need that customer
26 engagement, that disclosure and that prudence efficiency
27 test done in a shorter time frame. How we do that and the
28 mechanism to do that, we need to work through, and
29 definitely without reopening the whole thing.

30
31 MS BRAKEY: We would agree that there does need to be some
32 test.

33
34 MR MANSELL: There is another question from Slido, which
35 is another question for WaterNSW:

36
37 A demand volatility mechanism for bulk
38 water supply which is highly fixed, as in
39 the cost is highly fixed, does not make
40 sense. Please explain the rationale for
41 this.

42
43 MR MARTINSON: Yes, I'm happy to discuss that.
44 Effectively our view on the demand volatility adjustment
45 mechanism is - and as outlined in our proposal - that we
46 are proposing a mechanism substantially similar to the one
47 that is currently in place for Sydney Water and Hunter

1 Water. Effectively what it is saying is that the best laid
2 plans are at the time of the determination when there is a
3 forecast of volume sales and usage during the period.
4 However, if there is a significant variation to those
5 volumes from what was forecast, whether that's higher or
6 lower than what was forecast, we think there is a
7 reasonable bound that we should operate within. If the
8 volumes are, as an example, plus or minus 5 per cent from
9 what has been forecast, which is the level that is included
10 in the Sydney Water and Hunter Water determination, and if
11 our actual sales are outside of that band, then we think it
12 is beyond a reasonable sharing space.

13
14 It is effectively saying even though we do have a
15 fairly high fixed component of our tariff, there still is a
16 volume component. If volumes effectively are significantly
17 higher than that or lower than that, which would have
18 significantly higher or lower revenue implications, we
19 think there needs to be a mechanism to adjust for that.
20 Again, it is really what is a reasonable sharing of risk
21 between the business and customers. We think that a demand
22 volatility adjustment similar to what is in place for the
23 other organisations is really appropriate for us.

24
25 MR WILLETT: Could I follow up on that, because it is a
26 question that I had too.

27
28 If we were to restructure prices so that they, as
29 accurately as possible, reflected costs incurred, whether
30 they are fixed or variable, such that the variable charge
31 reflected accurately variable costs, why would we need a
32 volatility mechanism? Whether your demand forecast was
33 right or wrong, the costs of supply would still be
34 reflected in pricing.

35
36 MR MARTINSON: My response to that would be that, at the
37 time of the determination, I guess that the prices are set
38 on that basis, assuming that, with the best knowledge and
39 information at that time, we are setting prices to recover
40 our forecast of efficient costs during the period.

41
42 I guess what we are saying is that if volumes are
43 different than what was assumed, then we think that it is
44 reasonable to put that in place. Back to your point - if
45 you get it exactly right in terms of your variable cost,
46 then do you need a mechanism? I guess that is a wider
47 question beyond our determination. We think it is the same

1 rationale that applies elsewhere. We think it is
2 reasonable to say if we are not able to strike that balance
3 100 per cent correctly at the beginning, we think there
4 needs to be a mechanism during the period that provides
5 a reasonable sharing of risk between us and our customer.
6

7 MS BRAKEY: Yes?
8

9 MR MELLOR: My name is Graeme Mellor, from Wingecarribee
10 Shire Council.
11

12 May I ask a very localised question relating to the
13 Shoalhaven transfers. Where we geographically sit is part
14 of a chain of dams which obviously supply Sydney. With
15 costs passing on for power consumption for the pumping,
16 what are the thoughts on how those costs will be applied
17 and whether, for a small council like ourselves - just
18 through geographical location - that will be a cost passed
19 on to us just because we are part of the chain of transfer
20 irrespective of whether - I suppose, we get the benefit by
21 default where we are, but not necessarily being driven by
22 us.
23

24 MR HARRIS: Could I perhaps take that on notice. Just
25 around here, we think that cost is only levied on Sydney
26 Water and not on our other council customers. But I need
27 to take that on notice. I am not 100 per cent sure that is
28 right, unless someone else knows that for sure, but I am
29 happy to come back to you on that.
30

31 MR MANSELL: That characterisation is correct.
32

33 MS BRAKEY: Thank you. Are there any other questions from
34 the floor? We might go back to Slido then.
35

36 MR MANSELL: We have another question from Slido:
37

38 Is self-insurance not available for demand
39 variability in extreme events? If so,
40 wouldn't it be more efficient for WaterNSW
41 to self-insure these risks?
42

43 MR HARRIS: Excuse the smile on my face, but this is one
44 of the big issues that we went through in our last rural
45 pricing determination where, in fact, we have led the way.
46 In respect of our rural prices, we do have an insurance
47 product with the market. If I may say, we are not fully

1 recovered for the cost of that through our IPART rural
2 price determination, but, yes, we it was us who
3 demonstrated that the market is prepared to provide
4 instruments such as that.

5
6 MR PIZZINGA: We have been fortunate enough to actually
7 make a claim on that policy, but it is fair to say that
8 when we negotiate that policy next time round, the market
9 will have priced the costs of that policy to the insurance
10 market, so with the volatility adjustment versus going to
11 the insurance market - I don't know, because we have not
12 gone to the market - given the experience for rural values,
13 I suspect the insurance market may price us out
14 potentially.

15
16 MR MANSELL: There is a comment, which is basically
17 saying:

18
19 Can the distinction between the short-run
20 cost of supply, which is cost neutral,
21 versus a scarcity demand supply balance,
22 which isn't cost neutral, be made?

23
24 And there is one more question about the demand volatility
25 mechanism, which says:

26
27 Isn't the volatility mechanism there to
28 incentivise demand forecasting, given that
29 WaterNSW doesn't forecast 99 per cent of
30 its demand, which is Sydney Water's domain,
31 why not just have a back-to-back (??) with
32 Sydney Water?

33
34 MR MARTINSON: There are potentially a number of ways to
35 deal with the volatility. I guess I would question that
36 while an element of the intent of having a volatility
37 adjustment mechanism is to incentivise forecasts to improve
38 the accuracy of forecasts, I think the main feature of a
39 volatility allowance is - again, best laid plans and best
40 forecasting - at the time to really manage the outturn risk
41 of actual volumes.

42
43 So it is the combination of, yes, incentivise the
44 actual forecast, in the first instance, but have a
45 mechanism in place to deal with the fact that volumes may
46 change - the world changes and volume may change rather
47 than what was forecast - and to have a mechanism that will

1 allow a reasonable sharing of that between the business and
2 customers, we think is the importance of the value of
3 having a volatility mechanism.

4
5 MS BRAKEY: Douglas, do you have a question?

6
7 MR McCLOSKEY: It is more to reiterate a previous point at
8 the appropriate juncture, just to go to the third question
9 and to reiterate the point about the relationship between
10 the pricing structures and things like the demand
11 volatility and the sharing of risk. We are relatively
12 sanguine about the demand volatility adjustment.

13
14 It is interesting that you raised the point with
15 regard to Sydney Water and Hunter Water. They have
16 significantly more risk in their pricing structures, where
17 particularly Hunter Water, I believe is up near 85 per cent
18 usage charges. We would quite like to see a structure that
19 operates similar to that.

20
21 In relation to the question about costs being fixed,
22 that is largely why we are not particularly happy with
23 using cost of access to the water and the resource as being
24 the basis for paying for the resource that doesn't
25 necessarily value the resource itself - the water - at its
26 appropriate level. It does go to Joe's point about there
27 not necessarily being a price for water or a market for
28 water, but we think putting in place a structure at the
29 bulk level, at the catchment level, for trying to make a
30 move towards that at this juncture is appropriate.

31
32 We would be happy to consider something like demand
33 volatility adjustment. I raise these points with the
34 acceptance that it is a fundamental shift in the pricing
35 structure and the way that the business operates. It is
36 unlikely to happen at this stage, but it is something where
37 we could lead to a re-balancing as a first move in that
38 direction, which is something that we would be keen to see.

39
40 MS BRAKEY: Thank you. Zoran,

41
42 MR PEROSKI: Zoran Peroski, Sydney Water.

43
44 On scarcity or short-run pricing, it is probably worth
45 noting that it should be symmetric. If we are going to
46 advocate for this, it needs to be very well thought through
47 because when dams are spilling, the value of that water

1 could be negative. It could zero. Is that something we
2 want to face? I think we need to be very careful about
3 advocating for that. We really need to think through the
4 methodology and have a review on the appropriate parameters
5 for this, rather than bandying it about so easily, because
6 it is quite a serious issue.

7
8 I am pretty sure WaterNSW wouldn't want to be giving
9 away their water for free when they have such large fixed
10 costs. Where the right balance is at the right time, long
11 run versus short run, really needs to be looked at very,
12 very carefully. That is more of a comment than a question.

13
14 MS BRAKEY: We are approaching the end of this session.
15 Are there any more general questions? Any final comments?

16
17 MR HARRIS: No, thank you.

18
19 THE ACTING CHAIR: We have had a reasonably wide-ranging
20 discussion so far. I am not sure whether there are any
21 final questions before we close the morning session. Does
22 anybody have anything else that they want to raise before
23 we close up for the WaterNSW session?

24
25 Okay, I'll now close Part A of the hearing.

26
27 Closing Remarks

28
29 THE ACTING CHAIR: On behalf of IPART, I would like to
30 thank you all very much for your participation today. It
31 has been a great benefit to us to hear your views. We
32 really appreciate the effort and contributions made by
33 everyone here today.

34
35 IPART's presentations and transcript of today's
36 proceedings will be available on our website in a few days.
37 We will consider all that we have heard today and we will
38 feed it into our decision that will go into the draft and
39 then the final report.

40
41 As previously mentioned, we plan to make the draft
42 report public in March 2020. People will then have about
43 four weeks to make written submissions and we will post
44 those submissions online. We will also consider them in
45 making our final decision on WaterNSW's prices.

46
47 The final determination will be released in June 2020,

1 and the maximum prices will be set from 1 July 2020.

2
3 Finally, I would encourage you to monitor IPART's
4 website for updates and further information on our
5 timetable, including the release of the draft report and
6 the dates for when submissions and responses will be due on
7 that report.

8
9 While this part of the hearing is concluded, please
10 feel free to stay around. We will have a break for lunch
11 now and then we will start Part B, which will be on Sydney
12 Water's prices, thank you.

13
14 LUNCHEON ADJOURNMENT

15
16
17 PART B - SYDNEY WATER'S PRICING PROPOSAL

18
19 Opening Remarks

20
21 THE ACTING CHAIR: Thank you. We will now start the
22 second part of today's hearing, which is on Sydney Water's
23 prices for water, sewerage and stormwater services in the
24 Sydney region.

25
26 For those of you who have just joined us, I welcome
27 you. Thank you very much for coming today. I will just do
28 a short recap on the process.

29
30 We will commence with a presentation from Sydney Water
31 outlining their pricing proposal. The proceedings will
32 then be divided into three focus sessions, and then we will
33 have a final open session to address any other questions
34 that have not been addressed already.

35
36 There are many challenges Sydney Water must manage in
37 terms of asset maintenance and upgrades in response to
38 various demands, as we will hear from Sydney Water shortly.

39
40 In IPART's view of Sydney Water's pricing proposal, we
41 are cognisant of the need to balance investing in the
42 future with an immediate need to improve drought
43 resilience, all the while being sensitive to bill impacts
44 and how that affects customers.

45
46 In this regard, we are seeking public feedback in our
47 review of Sydney Water's proposal, and in today's

1 presentation, we will focus on our review of Sydney Water's
2 expenditure plans in response to drought and environmental
3 performance, serving long-term population growth, and what
4 impact this has on prices to customers over the
5 determination period.

6
7 Further details and information on the sessions in
8 each part of this hearing can be found in the handouts that
9 were provided by IPART staff earlier.

10
11 A member of the tribunal will introduce each session.
12 The IPART secretariat will give a brief presentation on the
13 issues and questions to be covered in the session. The
14 tribunal member will then invite participants at the table
15 to provide responses and any comments. Then further
16 questions will be invited from the room, and then on Slido.

17
18 For those of you who were not here before, you can log
19 on to Slido, put in the code "F950" and it will load up
20 your questions. We will
21 deal with those questions throughout the session where
22 relevant.

23
24 Today's hearing is being recorded by a transcriber;
25 therefore, to assist the transcriber, would you please
26 identify yourself, and where relevant your organisation,
27 before speaking and please speak loudly and clearly.

28
29 A copy of the transcript will be available on our
30 website soon after the public hearing.

31
32 We will commence the second part of the public hearing
33 with Sydney Water's presentation on its pricing proposal.
34 I might ask Roch Cheroux, the managing director of Sydney
35 Water, to please come forward.

36
37 Presentation by Sydney Water

38
39 MR CHEROUX: Before I start, I want to acknowledge the
40 traditional custodian of the lands and pay my respect to
41 the traditional owners. They have been managing the land
42 and the water on the land for 60,000 years and it is
43 important that we show our respect.

44
45 So my name is Roch. I am the managing director of
46 Sydney Water. I will say a few more words about Sydney
47 Water, but I am pretty sure you know everything about us.

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One thing that very few people know is the fact that, under the ground, we have something like 25,000 kilometres of sewer pipe and 22,000 kilometres of water pipe. If you think about it, that is enough to go around the world. That is just to give you an idea of the size of parts of assets we have in Sydney to provide services to our about 2 million customers, and it is really critical that we are clear that this is where we start; as an organisation, we exist because we have customers.

We have been preparing the submission to IPART in a challenging environment and challenging for a number of reasons. We have a few of them here on the slide. Growth is, and continues to be, very significant in Sydney, in the Greater Sydney area. Obviously this has an impact on the existing asset because we're talking about infill, so changing the landscape inside the city. But we are also talking about growth in the outer region, and this is in the case of new development.

We have ageing assets as the assets of Sydney Water has been operated for about 130 years. Some of our assets have done their time. This is a constant activity that we need to have to manage our assets properly and to replace some of our assets that are coming to the end of their life.

Responding to services challenge is also an important part of our story. Our customers' expectations are changing. We need to be able to listen to what our customers are saying and we need to adjust the levels of service that we are providing to our customers exactly based on what they are asking from us.

The three cities vision, I mentioned briefly in terms of growth. This is an important part of Sydney's story and we are supporting the development of the three cities.

Business transformation and efficiency has been, continues to be, and will be in the future, a big part of our story as well. Our customers are asking us to be efficient. They are asking us to deliver value for money. This is something that we have worked on. We have delivered efficiency from the business and we will continue to do that in the future. That goes with our operating costs as well.

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To prepare our submission we had a very large piece of engagement with our customers, more than 10,000 interactions with our customers. We have listened to what they wanted from us. We have also asked our customers about the sorts of solutions that they wanted us to implement. We have tested different sorts of solutions and tried to identify what was expected of us from our customers. We have put all of this into our submission.

Here on the screen are three examples of the projects that have been generated by our customers. I will just talk about the last one, which is the Waterway Health Improvement Program. This is a program where, when we asked our customers, "Do you want to us operate our stormwater system in a different way, they said, "Yes."

If you think about the stormwater system, in some places in the city, we have canals that have been concreted over time and that is where the stormwater is collected and transported. We asked our customers if they wanted us to do something differently and they said "Yes." We asked our customers, "Are you prepared to pay for it?" Some of our customers said "Yes"; some of our customers said "No" as well. But we got a good feedback from our customers about what they wanted us to do and how much they wanted us to spend on this because that's what they were prepared to pay.

As a result, there are some places in Sydney where we have transformed the concrete canals into a nice piece of river that the community can use for recreation. That is the sort of win-win situation that we can have by engaging and discussing with our customers.

The drought and the weather conditions are definitely in the background, even today; apparently we will get some water from the sky but probably not much. Not only does this put a lot of pressure on the bulk water supply, as we have seen this morning with WaterNSW, it also puts a lot of pressure on our existing assets.

Existing assets, why? If you think about the wastewater network, when the trees don't find the water in the ground, they go to find water inside the pipes. Their roots are getting inside the wastewater network, not only creating cracks in the wastewater pipes but also blocking

1 the wastewater pipes. That means that we have a lot more
2 operation to do on our network, making sure that we
3 understand where the roots are going and also cleaning out
4 the roots so that there is no overflow from our network.

5
6 On the water side, it's the same story. Sydney is
7 built on an area with very high reactive clay. When it
8 does not rain, the soil moisture is obviously very low and
9 what the clay does is it cracks. When the clay cracks, it
10 also cracks our pipes, and this is what you can see in the
11 graph here. Sorry, this one is about the chokes in the
12 wastewater networks, but if you look at a graph where you
13 would see the drought situation and the number of breaks
14 that we have from the water network, that's the same.

15
16 What does that mean for us? It means a lot more
17 operating activity for us to repair the pipes or to replace
18 the pipes. So drought has a significant impact on our
19 operation.

20
21 Growth is another large part of our submission. There
22 is significant growth that is planned in the Greater
23 Sydney. Western Sydney is part of it. You can see that
24 this is a very large area and there is not much actually
25 currently in this area. It means thinking about all new
26 infrastructure, but it also means thinking about a
27 different way to build this infrastructure, because this is
28 a greenfield area and there are various possibilities to
29 look at the way we do water in a different way. This
30 definitely is a big part of our story. You will see that
31 we have included more than \$2 billion of investment just
32 for growth in our proposal.

33
34 Essential services for our customers - you have a few
35 numbers here, and they are significant. The capital
36 expenditure is a significant part of our story, more than
37 \$5 billion of capital expenditure over four years. This is
38 a large amount of money. This is split between capital
39 expenditure for growth and also capital expenditure for
40 replacing or renewing the existing assets. Again, all this
41 has been designed in a way that we maintain our service to
42 our customers at the same level and, at the same time for
43 the growth area, we are able to provide the same levels of
44 service to our new customers in this new development area.

45
46 Operating expenditure is about also the same level.
47 Here, we have also listened to our customers and tried to

1 understand what we needed to do differently, what we needed
2 to do but we didn't do before, and also what we needed to
3 stop doing because our customers were not interested. The
4 operating expenditure that we have included in our program
5 is very, very tightly controlled, so that the value for
6 money that we are providing to our customers is the right
7 level, exactly what they are expecting from us.

8
9 When you look at the overall revenue that we need
10 to operate and invest into the business over the next four
11 years, the next regulatory period, we are talking about
12 \$11.4 billion. I will come back to the increase and what
13 it means exactly for our customers.

14
15 This is the capital expenditure slide. You can see on
16 this slide that there is a significant increase in terms of
17 overall programs starting from 2021. We have managed
18 capital expenditure programs that were around \$800 million
19 per year, which is obviously a very significant number, but
20 here for the next regulatory period, we are talking about
21 capital programs that are about a billion dollars every
22 year. It is a consequent increase.

23
24 When you look at the different colours that you can
25 see on the screen, you will see that the growth, which is
26 the orange colour, is a significant part of the increase in
27 capital expenditure that we need to do during the next four
28 years. If you look at the blue colour, which is the
29 capital expenditure that we need to do to maintain the
30 existing levels of service for our customers, you have
31 something that is slightly higher because of the
32 expectations of our customers, but also because of some
33 regulatory changes that have happened. So it is slightly
34 higher because of that.

35
36 Moving on to operating cost, what you can see here is
37 that the operating cost is very much staying at the same
38 level. If you look at 2019-2020, you have the baseline
39 opex, which is basically what we are doing every day, plus,
40 in orange, the money that we are spending this year on
41 managing the drought.

42
43 If we move to the next regulatory period, we have an
44 operating expenditure that is very much at the same level.
45 We wanted to make sure that we were efficient in our
46 operating expenditure, and that's why we have put a
47 challenge on us, which is to reduce the operating

1 expenditure over the four years.

2
3 What you can see on the graph is that the blue line,
4 or the blue blocks, is reducing between 2020 and 2024.
5 That is because we have committed to find an additional
6 \$89 million of efficiency inside the business. This is a
7 significant commitment from the business to contribute to
8 the drought situation that we have in Sydney.

9
10 In terms of revenue, one of the critical elements when
11 we look at our revenue is the volume of water that we sell
12 to our customers. We had many discussions internally about
13 what was the right level of water sales or water revenue
14 that we could get. In terms of forecasts and demand
15 forecast, we had a number of discussions about the best way
16 to forecast the demand for our customers.

17
18 What we have included in our proposal is an average
19 demand. It is not based on historic consumption, it is
20 based on updated consumption, but we decided not to take
21 into account the impact of drought and the impact of
22 restriction.

23
24 The reason why we decided to put this suggestion or
25 proposal on the table is because it is extremely difficult
26 to forecast what will be the customers' behaviours in a
27 drought or restriction situation. What we have proposed is
28 to start with this adjusted forecast, then to have a
29 discussion every year and to readjust the forecast every
30 year. In that sense, it is a more flexible way and it does
31 not put a higher price from the beginning of the period on
32 our customers. That was what we thought was the best way
33 for our customers. Obviously you understand that if we
34 were to reduce the forecast, the consequence is that the
35 unit price would increase; therefore, that would put
36 pressure on our customers. We decided not to do it that
37 way. We decided to take the risk and then to have the
38 possibility to review the forecast every year.

39
40 In November - the beginning of this month, actually,
41 because we are still in November - we updated the proposal
42 that we submitted in July. The reason why we did that was
43 because, when we submitted in July, we submitted a proposal
44 that was based on February numbers. The reason it was
45 based on February numbers was simply because of the time it
46 takes to prepare a submission like this one. As you can
47 understand, when you're talking about an \$11 billion

1 submission, this is a really big exercise.

2
3 We have seen what happened during June, July and
4 August. We have had a very, very dry winter. We saw what
5 the forecast from the Bureau of Meteorology was confirming,
6 meaning that the drought is here to stay for a longer term,
7 and on this basis, we decided to submit to IPART a revised
8 submission in November.

9
10 Part of this revised submission is bringing forward a
11 number of investments that were in our plans, but we were
12 not thinking initially of doing them between 2020 and 2024,
13 but they were going to come after that. There is also some
14 operating expenditure.

15
16 With the capital expenditure that we have added in
17 this additional submission, the main one is related to one
18 pipe that would be going from north of the city, from
19 Prospect, to the south of the city, to Macarthur. This
20 would give us the possibility to transport water between
21 the different systems that we have in Sydney.

22
23 At this stage, we do not have the possibility to
24 transport large volumes of water between the different
25 parts of Sydney. As you know, it may be raining in
26 Warragamba and not be raining down in the south, or it
27 could be the opposite. At this stage, if one of the
28 systems is in a bad situation, we do not have the
29 possibility to compensate with another system. That is why
30 we have decided to propose to do this investment, which is
31 very much a resilience investment, in the short term.

32
33 There is also some additional expenditure in terms of
34 opex. That expenditure is very much drought related. It
35 is about encouraging our customers to save water. That
36 could be the advertising campaign that you see in the
37 press, but there are also a lot of education programs.
38 That is also the additional resource that we need to manage
39 our water and wastewater assets in case of drought when it
40 is very dry and we have this impact on our assets.

41
42 What we are proposing in this additional submission is
43 that the capital expenditure - because there is resilience
44 expenditure; these are resilience investments - would be on
45 service charge, but the operating expenditure would be on
46 the usage charge and would be contingent actually to the
47 drought continuing or not continuing, meaning that in case

1 the drought were to stop tomorrow, then we would be able to
2 stop this operating expenditure straight away and therefore
3 save money for our customers.
4

5 In terms of impact on our customers, the submission
6 that we actually put in November does not make any change
7 to our customers' bill compared to now. You can see the
8 details of the prices here. The reason why it does not
9 make any change - and I need to be clear here that this is
10 without the impact of drought - is because of two things:
11 the first one is the additional efficiency that we have
12 decided to find inside the business. I was talking about
13 \$89 million of additional efficiency that we have committed
14 to finding inside the business, plus other additional
15 efficiencies that were included in the first submission.
16 So that's one part of the explanation why the bills are at
17 exactly the same level.
18

19 The second part of the explanation is because of the
20 very favourable market positions that have an impact on the
21 weighted average cost of capital that is used to calculate
22 our revenue. These two factors put together give us the
23 possibility actually to propose additional expenditure but
24 not to increase the bills of our customers.
25

26 To be clear, this is without considering the drought
27 situation. If we look at the situation with drought, as
28 you know, when we are in that sort of situation, the
29 desalination plant will be running and there will be an
30 additional cost on our customers for that.
31

32 We also have the additional expenditure that we
33 have said would be contingent to drought - operating
34 expenditure that could be coming if the drought continues.
35 In that case, the increase for our customers would be
36 around 2.5 per cent. This is what you can see here, the
37 \$2.24 per kilolitre, and the service charge will increase
38 to \$156.
39

40 So this is the same story. In case the drought
41 continues, then our customers will see their bill increase
42 by about 2.5 per cent, which is about \$30.
43

44 In the future, if the drought continues even more and
45 if the desalination plant needs to be expanded, then
46 additional cost would be added to this 2.5 per cent. But
47 at this stage, this is not something that we know and that

1 we can estimate.

2
3 The story is that we do encourage our customers to use
4 water really carefully. You would have seen the campaigns
5 that we have run during the last few months. The impact
6 has been really good. We started the campaign in July and
7 since July we have had about a 7.4 per cent reduction in
8 consumption, which is a really good number. Last month
9 - October - we had a 10 per cent reduction in terms of
10 consumption, which is again a very, very good number. So
11 all the activity that we have with our customers is really
12 producing a very good result. This is what we are saying
13 to our customers: reducing consumption by about 20 per cent
14 would give a discount of about \$100, which is significant.

15
16 To conclude, we continue to work with the government
17 and our colleagues at WaterNSW to provide the best service
18 that our customers deserve. Again we have had this very
19 long period of engagement with all our customers and we
20 have learned a lot. We have been able to understand a lot
21 better what they are expecting from us. This is how we
22 have built our submission, including for some of our
23 customers who are in the most difficult situations there
24 are a number of measures in terms of in terms of facilities
25 for payment, et cetera. Thank you. That is a very brief
26 summary of our submission.

27
28 THE ACTING CHAIR: Thank you, Roch. I will now invite
29 questions first from the table. Then we will move to the
30 audience and Slido. Before you speak, as I said, could you
31 state your name on the organisation before you speak.

32
33 Are there any questions from the table at the moment.
34 Would you like to start? Sue?

35
36 MS BURTON: Yes, I am happy to start. My name is
37 Sue Burton. I am the executive officer of the Cooks River
38 Alliance.

39
40 Our submission to IPART was on behalf of catchment
41 groups across Sydney, so that's the Georges Riverkeeper,
42 Parramatta Riverkeeper, Sydney Coastal Councils Group and
43 Cooks River Alliance. Together we represent many of the
44 councils across Sydney.

45
46 My question is to Sydney Water and also to IPART. The
47 condition of Sydney's waterways is quite critical. I was

1 really pleased to hear that customer service and customer
2 expectations is key driver.

3
4 Customers and the communities around Sydney look to
5 their rivers. If I take the Cooks River as an example,
6 what they see is the volume, the speed and the quality of
7 the stormwater, hitting the Cooks River in particular, is
8 phenomenal. The communities want clean waterways and
9 stormwater is a major issue which is stopping that. With
10 the stormwater issue, if you like, our rivers are at the
11 end of the pipe, so why are we getting so much stormwater
12 hitting our waterways? It is because we don't value the
13 water in the streams as much. At the top of the pipe, we
14 need to look at how we are capturing water before it hits
15 our waterways and make sure that it is slow and it is
16 clean. That is what the community expects.

17
18 The Waterway Health Improvement Program is excellent,
19 because it enables waterways to move from a concrete
20 channel to a river that looks like a river. Certainly the
21 Cooks River has benefited from that and we have really
22 started to value it. However, those programs are
23 discretionary by IPART, but for us they are actually
24 essential. The Waterway Health Improvement Program and
25 stormwater should be essential programs if we are to meet
26 the community expectations of healthy waterways.

27
28 The second part is how are we enabling a rapid
29 transition to a water-sensitive approach when we look at a
30 drought response, climate change response, urban heat
31 response? We need to think about how are we dealing with
32 our water where it falls and how we value water. I am
33 interested in how your pricing proposal will identify that.
34 I do note that Sydney Water has identified that it wants to
35 move towards a total urban water management approach by
36 2040 and to lead Sydney in getting there. I am interested
37 in hearing how this proposal would do that.

38
39 MR CHEROUX: I think what you have said at the end is
40 absolutely our commitment. We want to look at water in a
41 different way because this is what our customers are
42 expecting from us. It means stormwater, but probably not
43 only stormwater; it means the complete water cycle.
44 Stormwater, as you know, is something that is a shared
45 endeavour with a number of councils. Because stormwater
46 responsibility is shared between a number of councils and
47 Sydney Water, there are so many different actors in this

1 play that progressing here takes some time.

2
3 The outcome is really good for the community, and we
4 have seen some really good examples of benefit to the
5 community in terms of river improvement and stormwater
6 channel improvement.

7
8 Our commitment is very much to making it happen by
9 engaging the community to come with us on the journey. We
10 are not here to impose things on the community. We are
11 here to listen to what the community is expecting and then
12 to translate that into action. So when we are talking
13 about integrated water cycle management, it means that we
14 need to get the community on board and we need to get the
15 community support in the sort of new ideas that we could
16 promote in terms of managing the water cycle differently,
17 using stormwater differently, using wastewater differently,
18 using reused water differently.

19
20 MS BURTON: Thank you.

21
22 MR EDGERTON: My name is Matt Edgerton. I am the
23 executive director of water pricing at IPART.

24
25 From IPART's perspective in terms of our role here,
26 there are two key parts to this: firstly, when we set
27 Sydney Water's price, we generally set prices so that
28 Sydney Water has enough revenue to officially deliver its
29 services while complying with its environmental regulatory
30 requirements and other regulatory requirements.

31
32 To the extent that the EPA, or another environmental
33 regulator, imposes a requirement on Sydney Water in terms
34 of waterway health or environmental objectives, then that
35 becomes non-discretionary expenditure, and we will set
36 prices so Sydney Water recovers enough revenue to achieve
37 those environmental outcomes that it needs to achieve, as
38 per regulatory requirements. That is the first point.

39
40 I guess related to that, a lot of it then comes back
41 to what are the standards that the environmental regulators
42 set? To the extent they set higher standards, then
43 ultimately Sydney Water is required to meet those higher
44 standards and through prices we will ensure they are
45 getting enough revenue to achieve those high standards.

46
47 Another point is we will set prices to give Sydney

1 Water enough revenue to go above and beyond those
2 regulatory requirements if Sydney Water can show us
3 evidence that its customers are willing to pay.
4

5 When we are talking about outcomes above and beyond
6 those mandated by environmental regulators, that's when we
7 talk about discretionary expenditure, because it is a
8 discretionary outcome for Sydney Water because it is not
9 mandated through environmental regulation. In that case,
10 for us to have a licence to include any prices to be
11 recovered from all customers, we need evidence from Sydney
12 Water that its customers are willing to pay to achieve
13 those outcomes.
14

15 MS BRAKEY: If you like, it is also a way of the community
16 groups coming to Sydney Water and saying, "This is really
17 important to us," and having a mechanism for it to come
18 through into prices. It allows the regulator to be a
19 little bit more progressive. Where there is a need, a
20 genuine need, from the community, even though there might
21 not be a regulatory obligation, it allows us to include it.
22

23 MS BURTON: I think there is a disconnect in the
24 community's mind between a healthy waterway and IPART's
25 pricing for Sydney Water. A bit of learning is needed
26 there for the community to understand that IPART has the
27 ability to make the change.
28

29 MR EDGERTON: Could I suggest as well that if there is a
30 perception that the environmental outcomes are not
31 sufficient, part of that is then a potential reflection
32 back on the environmental regulatory requirements
33 themselves.
34

35 THE ACTING CHAIR: To take your point, this is actually
36 relatively new. The pricing was a lot more rigid in the
37 past, and this is the first year we have looked at this
38 community-driven expenditure. So, yes, I totally take your
39 point. Sydney Water's processes for engaging with the
40 community are just pushing into that direction. Our
41 processes have just moving in that direction, but we felt
42 that it was important to actually start that process, for
43 the sorts of reasons we've actually just talked about.
44

45 Yes?
46

47 MR DAVID SPARKE: If I may, David, is my name, from

1 OneWater.

2
3 I am a bit disturbed on hearing that presentation from
4 Sydney Water. I have a long-term involvement in the water
5 industry, including with Sydney Water and on industry
6 social committees. There has been some reference to what
7 the customer will pay. In fact the Water Act 2006 says
8 that the government actually owns all this stormwater that
9 touches the ground. This is a resource that Sydney Water
10 perhaps has not delved into. Notwithstanding that, Sydney
11 Water has often said, through its people, "We don't have
12 the expertise for stormwater. We do water reticulation.
13 We do sewerage treatment services." Now they are pitching
14 for stormwater, which has been relatively neglected for
15 quite a period of time.

16
17 I think it was two to three years ago, prior to the
18 last election, that Sydney Water had an allocation for
19 stormwater asset maintenance of something like
20 \$130 million. Subsequent to the election, \$30 million or
21 thereabouts, was taken from that amount to give back \$50 to
22 the customers of Sydney Water. There was a hue and cry
23 about the maintenance not being kept up for stormwater.

24
25 If we look at some of the projects Sydney Water has
26 done in relation to stormwater improvements of assets,
27 there is a creek that runs into Homebush Bay. They have
28 converted a concrete sort of culvert into an environmental
29 sort of arrangement. This is notwithstanding that, in that
30 bay, the remediation work that has been conducted there for
31 the contamination in Sydney Harbour is quite significant,
32 Sydney Water has done this project and beautified the
33 channel, but it has not done anything in terms of improving
34 the water quality of the discharge per se.

35
36 If we look at wastewater treatment plants, which are
37 spotted around Sydney, it is Sydney Water in fact that is
38 surrounding Sydney with the discharges from these sewerage
39 treatment plants. You have Eastern Creek and some other
40 areas, and the Nepean River, and it comes all the way
41 around Sydney. You have secondary treatment plants like
42 Warriewood that discharge partially treated water. You
43 have the three ocean outlets where only primary treatment
44 is done.

45
46 With regard to Sydney Water's commentary about
47 reactive clays and the like, and breaking pipes - the

1 standards for pipe-laying have been in place for 40 to
2 50 years - I am sorry, but I take that as a
3 misrepresentation of the basis on which you claiming costs
4 for leakage and that sort of thing for Sydney Water.
5

6 Notwithstanding, that if you look at a project such as
7 the light rail system here, stormwater was the poor cousin
8 of the implementation of that project. What I am saying is
9 that Sydney Water is completely without legs. It is lost.
10 It had no position with the Greater Sydney Commission in
11 terms of planning for Sydney. Sydney Water has been
12 struggling to try to be relevant in that process where
13 water was perhaps the seventh or eighth priority in the
14 Greater Sydney Commission planning stage for the three
15 cities.
16

17 I am sorry to say that I do not agree with that
18 representation from Sydney Water which it claims is
19 relatively a 2.5 increase in what it is looking for for its
20 charges. Going from 2.11 kilolitres to 2.24 is actually
21 6 per cent. I think you represented that as 2.5 per cent.
22

23 Sydney Water basically has out-let all its planning
24 for the next 10 years. We have two prime one contractors,
25 like Arup and AECOM, I think they are, who have taken the
26 contract with Sydney Water for the next 10 years for all of
27 Sydney Water's planning. You have contracts for all the
28 maintenance of Sydney Water assets, new assets being
29 implemented through I think it is Lendlease or John
30 Holland, or one of these tier one contractors. Sydney
31 Water has really outsourced everything that it actually
32 does, and perhaps the relevance of Sydney Water now is
33 restricted to regulation and collecting money.
34

35 From IPART's perspective, if you wouldn't mind,
36 I think the environmental issue that was raised in relation
37 to cost already has a \$25 environmental levy for
38 stormwater, yet here's Sydney Water asking for another \$25
39 for that same levy.
40

41 In terms of customers willingness to pay, I have to
42 ask you which customers are you talking to? As a former
43 industry representative, I can say that Sydney Water has
44 relatively hijacked the industry association and controls
45 all of that. The water industry and the cost to the
46 customer is not being properly considered and I ask you
47 people that make those sorts of decisions to take into

1 account a lot more of these factors, please.
2
3 MR CHEROUX: I think a lot of very aggressive positioning
4 was put out here. I am not going to answer to all of that.
5 All the things that are in our submissions are supported by
6 evidence, and I would be happy to have a discussion offline
7 and put out all the evidence and explain to you that what
8 we are proposing is reality.
9
10 THE ACTING CHAIR: Going around the table, are there any
11 other comments that anyone would like to make? Mustafa?
12
13 MR AGHA: Mustafa Agha, from the Western Sydney Business
14 Chamber. I have some comments on the capital expenditure
15 program. I am not sure if this is the right --
16
17 THE ACTING CHAIR: Okay, so we will leave those till
18 later.
19
20 MR EDLER: I'll comment later, too.
21
22 THE ACTING CHAIR: EPA, Giselle?
23
24 MS HOWARD: Giselle Howard, regional director for EPA.
25
26 I am interested, Roch, in what you described in terms
27 of the deepening drought and, with the choke from the roots
28 getting in, how you're seeing the change compared with when
29 we look at 12 months ago or two years ago as the drought
30 has deepened. What is that doing in terms of preventative
31 maintenance, just getting into smaller pipes, compared to
32 being able to get around the network and do preventative
33 work? Just a small capture of that would be very helpful.
34
35 MR CHEROUX: We have significantly increased the level of
36 maintenance that we are doing on pipes and that includes a
37 number of things. That includes preventative measures in
38 making sure that we do a lot more pipe inspection - and we
39 do. We have done about 15,000 kilometres this year, which
40 is a significant number. So pipe inspection is one.
41
42 The number of crews that we have to maintain the
43 network is also significantly higher. We have spent an
44 additional \$30 million this year on pipe maintenance. That
45 is again preventive and reactive.
46
47 We have also implemented a lot of new technology, what

1 we call smart technology, and use the IOT - the internet of
2 things. There are a number of sensors that we have on our
3 network that will give us very preventative measures on
4 what is going to happen in the future. Based on this
5 information, we can forecast that something will happen.
6 So we can do the preventative maintenance action before we
7 have an overflow or before a pipe breaks or before a pipe
8 is full of tree roots. There are a number of different
9 operational activities, investment activities, using more
10 technology that we are implementing to respond to this and
11 we intend to continue that in the future.

12
13 THE ACTING CHAIR: Jim, did you have anything?

14
15 MR BENTLEY: If I could just briefly, thanks.

16
17 I will leave it to Roch to deal with the gentleman's
18 comments in detail. I do want to say one thing, though.
19 Sydney Water has been heavily involved with the Greater
20 Sydney Commission and with Infrastructure NSW, particularly
21 in the planning for Western Sydney. I think it is
22 important to put that on the record.

23
24 Western Sydney is being designed heavily around the
25 retention of water in the environment, and Sydney Water's
26 work has been instrumental in doing that. The suggestion
27 that they are not interested in stormwater, not interested
28 in reuse, and not involved with the Greater Sydney
29 Commission, needs balancing up with that which I know for a
30 fact from the work that I do with both the Greater Sydney
31 Commission and Infrastructure NSW.

32
33 THE ACTING CHAIR: Douglas, did you wish to say something?

34
35 MR McCLOSKEY: I will probably leave my comments to the
36 relevant section. I suppose I will flag the issue, with
37 the understanding that it is not necessarily within the
38 purview of this particular process.

39
40 Desalination and the extension thereof is a bit of a
41 given in a lot of these proposals. I know that it is
42 related to the current metropolitan water plan, but
43 I think that something that needs to be flagged for the
44 future with regards to those sorts of processes. We were
45 discussing with WaterNSW previously that it has big
46 investments that are essentially continued, which desal is,
47 and they should be subject to regulatory investment tests,

1 which can test the variety of different options and
2 efficiency and the appropriateness of them. I note that
3 that has not been done with desal.
4

5 I am very aware that they are subject to a lot of
6 different political reports, but I think that with these
7 sorts of processes and Sydney Water, particularly
8 considering that they act on behalf of customers who are
9 paying for this when they don't necessarily have any
10 choice, should be flagging that we think there is a better
11 way of doing this. At the very least, there is a better
12 way of publicly making these decisions. Again, I leave
13 that as a comment, understanding that it is not necessarily
14 something that within the purview of this process, but I
15 think it is an important part of the conversation that
16 should be had.
17

18 THE ACTING CHAIR: Thank you. That's noted. Yes?
19

20 MS CULLIS: Can everyone hear me? I'll be nice and loud.
21

22 Thank you very much, Sue, for highlighting the problem
23 with wastewater and urban rivers. I would say for the
24 Georges River, Sydney Water is not responsible for the
25 stormwater issue because there are eight councils who are
26 responsible for stormwater within the Georges River
27 catchment so I am not going to ask about stormwater, except
28 that there is a big issue with wastewater, point source
29 pollution coming from the sewer overflow points, and from
30 accidents and leakage from the STPs within the Georges
31 River catchment.
32

33 I, on behalf of the alliance, wrote to the minister
34 about these, and I got a response, not from the water
35 minister but from the planning minister. Rob Stokes said
36 to me:
37

38 Sydney Water's Upper Georges River strategy
39 and, more recently, the dry and wet weather
40 overflow abatement programs have reduced
41 the occurrence of overflows across the
42 Georges River.
43

44 Might I say since 2012, we have been in drought, so
45 I think you have been very fortunate insofar as the lack of
46 rain probably makes it easier to manage overflows because
47 there is no ingress of rainwater into your sewer system, so

1 you have been fortunate in that regard.

2
3 The other thing is I went looking for evidence via the
4 internet - I am not wonderful at that - of the improvement
5 in our program. I found basically lack of transparency
6 because I could not find anything. In regards to the Upper
7 Georges River strategy, I am not going to ask you
8 specifically what you have done, but I am going to ask you
9 why couldn't I find any evidence of what you have done?

10
11 In terms of the dry and wet weather overflow abatement
12 program, similarly I can't see any evidence written up
13 anywhere in a publicly accessible form that would encourage
14 people like me and my alliance to trust Sydney Water. The
15 figures are not there.

16
17 Years and years ago, basically Sydney Water was much
18 more transparent. They used to publish a lot of documents
19 about their performance, about the number of overflows and
20 where those overflows were. I don't see that anymore.
21 I also have a stack of bits and pieces that I have
22 collected on both wet weather and dry weather overflows
23 very recently. I would specifically mention, of course,
24 the disastrous overflow, at the northern side of Botany
25 Bay, that resulted in you having a huge fine issued by the
26 Land and Environment Court. But I am also aware that with
27 Still Creek, which runs into the Woronora River, which then
28 runs into the Georges, you have been fined for overflows
29 and poor performance.

30
31 I also wonder why the EPA has not fined you for other
32 incidents. I am hoping they are just under investigation,
33 and I am speaking specifically about the continuous
34 accidents and overflows into Myles Dunphy reserve at
35 Oatley. A lot of people who know what I know believe the
36 Malabar system is at capacity. Just recently, in January
37 this year, there was a shocking incident in Prospect Creek,
38 and that was at Tawarra (?) Park. My mother lives very
39 close to that park. The only reason I found out about it
40 was I saw the Corflute sign. I did not see anything
41 anywhere else.

42
43 There is a sewage treatment at the Orphan School River
44 plant and in one month there have been two dry weather
45 overflows from that particular point source, which suggests
46 to me that the system in dry weather can't cope. In the
47 Macarthur growth area which is upstream of that system

1 there are plans for another 40,000 dwellings, so I am just
2 really concerned for the future of the Georges River in
3 terms of water quality. I would like a response -
4 transparency and water quality.

5
6 MR CHEROUX: I will address the transparency question.
7 Thank you for your feedback. We're happy to share all
8 the information that we have. I think by having this
9 feedback, there are more documents that we can put on our
10 website or make available. There is no problem in doing
11 that. It is just a question of when we get a request from
12 customers to make documents available about this project or
13 that project - and we do. There is no problem at all in
14 doing that.

15
16 Thank you for your feedback. That is definitely
17 something that we will take into account and implement.

18
19 On the capacity of the system, we know that our system
20 has overflowed, or overflows from time to time, and we
21 don't like it. We don't like it because it impacts on the
22 environment and it impacts on the communities and our
23 customers. There is a team of people - Sydney Water and
24 all our parties from the private sector - working hard,
25 24/7 to make sure that it does not happen. It is not
26 always perfect, sometimes it does happen because sometimes
27 the overflow is a wet weather overflow and if the rain is
28 too much, then it overflows.

29
30 We have had a number of discussions with the EPA. The
31 EPA is monitoring closely what we are doing. If we are not
32 complying with what we should be doing, they will fine us,
33 and that's that. There is no argument about the fact that
34 if we fail to do something, we should be fined for that.

35
36 I can assure you that we accept the fact that we're
37 not perfect. We are working hard to make sure that this
38 does not happen. Thank you.

39
40 THE ACTING CHAIR: Are there any other general questions?
41 Were there any general questions on Slido?

42
43 MR RUSH: Yes, there are a few questions from Slido here.
44 In the interests of time and the ordering of the sessions,
45 there are two questions for us that we can talk about now.
46 The first one is on discretionary expenditure and the
47 question is:

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If IPART sets higher prices for Sydney Water or another utility to deliver outcomes outside the regulatory requirements, who will ensure that Sydney Water actually delivers these outcomes?

I am happy to answer that, if you're not, Matt. It is not mine, but this is an excellent question.

It is a really important point for us to consider in how we assess any proposals to go above and beyond regulatory standards on how achievable they are and in what time frame they are achievable and also how we actually have set a framework to ensure that Sydney Water delivers these requirements in the least cost manner. There are a few mechanisms that we are thinking about. These include around transparency and publishing information, for example, through the output measures that we set to ensure that a utility is held accountable for the services that it actually delivers.

Another important point is the regulatory process itself that we undertake every few years. If we accept Sydney Water's proposal to set prices for four years, in four years time we will be then reviewing what Sydney Water actually delivered over the past four years. If it is the case that Sydney Water did not deliver on a discretionary project that we accepted, we could take that into account and ensure that customers do not pay unfairly for things they do not receive.

THE ACTING CHAIR: Are there any other questions? .

MR RUSH: Yes. The second question is on the approach Sydney Water took to estimating the forecasting especially as the drought has become worse. The question here is:

Is the right answer to assume average demand for the next four years? What about estimating lower than the average demand, the same as to be symmetric with your additional drought expenditure.

Perhaps to put it another way, the difference between average demand over the long term versus expected demand over the next four years.

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MR CHEROUX: Again this is a proposal that we have put in our submission, because that is the data that we know and we have available. There are multiple ways to look at demand. We are happy to listen to the comments from the public and from IPART and have a discussion about it.

THE ACTING CHAIR: There will be plenty of other opportunities for questions as we go through the session, and I think we should probably move on so that we have time to get through.

The next session is around drought and environment and expenditure. The drought response is something that we anticipated would be an issue in this price review. We welcome Sydney Water's update of its pricing proposal which focuses on water security and network resilience in an ongoing drought.

For everyone's information, we received a number of submissions in response to our issues paper, including 21 formal submissions and six online comments through our customer feedback form. The key topics raised included price and drought resilience, as well as recycled water, environmental performance and the Sydney water developer direct issue. We welcome comments on these topics, most of which will be covered in today's session.

Where a topic is not covered, then we will have an opportunity to cover it at the end, but also, as I said at the beginning of the session, we will have a drop-in session later if anybody has any further questions. .

We will now move on to Anthony Rush to introduce the next session.

Session 1: Drought, environment and expenditure

MR RUSH: Thank you very much, Deborah.

I will give a short presentation that looks at the impact of drought and the environment on Sydney Water's proposed expenditures. The next session will look at the impact of growth - growth in demand and growth in customers and Sydney Water's expenditure. The final session will look at Sydney Water's proposed prices and the mechanisms, including things like water usage prices, to manage demand

1 in the context of ongoing drought.

2
3 As you can see in this slide to set the scene, dam
4 levels in Greater Sydney have fallen to below 50 per cent
5 in recent months with recent trends resembling quite
6 closely the millennium drought. If this continues, IPART
7 recognises that additional drought measures may be needed.
8 We appreciate Sydney Water's efforts in planning for
9 Greater Sydney's water security and resilience should
10 drought continue.

11
12 We also understand that the drier weather in recent
13 years has affected the condition and performance of some of
14 Sydney Water's assets which has, in turn, affected their
15 environmental performance and Sydney Water's proposed
16 expenditure for the next determination period. As
17 highlighted in Sydney Water's presentation, its November
18 update includes additional spending for water security and
19 water conservation measures if drought persists. These
20 measures are in addition to Sydney Water's base capital
21 expenditure which was presented in their original July
22 proposal.

23
24 Altogether, Sydney Water has proposed up to
25 \$11.4 billion of expenditure over the next four years if
26 drought continues. This is \$1.4 billion more expenditure
27 than was included in its original July proposal. We have
28 engaged expert consultants to help us assess the scope and
29 efficiency of the proposed investments that Sydney Water
30 has put on the table both in July and through its November
31 update.

32
33 Some of the key investments in Sydney Water's November
34 update include an additional \$370 million for Sydney Water
35 to upgrade its network should the capacity of the Sydney
36 Desalination Plant be expanded. Note that this excludes
37 the capital costs of expanding the plant itself. In August
38 the New South Wales government announced that it has
39 commenced preliminary planning for a Sydney Desalination
40 Plant expansion.

41
42 Sydney Water has also put on the table an additional
43 \$480 million to construct a pipeline to connect the
44 Prospect Reservoir to the Macarthur water system and an
45 additional \$50 million of investment to reduce wet water
46 overflows to meet EPA standards.

1 Sydney Water's additional operating expenditure is
2 focused on reducing and managing water demand through
3 implementing water savings programs and asset management.
4 However, we think that Sydney Water's update does not
5 clearly identify specific investments to reduce leakage or
6 manage water pressure, which is an area where we are keen
7 to hear more from Sydney Water and stakeholders.

8
9 Finally, this slide summarises other key expenditure
10 that Sydney Water has proposed on drought and the
11 environment. Sydney Water has recognised that the
12 performance of its water and wastewater assets has been
13 affected by drier weather conditions, as these conditions
14 have increased wastewater blockages and leakages from the
15 water network. This has led to an increased number of
16 incidents of dry weather wastewater overflow events and
17 breaches in EPA standards.

18
19 In their July proposal, Sydney Water indicated that
20 they would spend \$2.5 billion over the next four years to
21 maintain and manage their existing assets. They proposed an
22 additional \$170 million in their November update.

23
24 We have asked our consultants to specifically consider
25 whether Sydney Water's recent performance has been affected
26 by Sydney Water's program of inspections and maintenance in
27 the past and its impact on future prices. Sydney Water has
28 also proposed discretionary expenditure to improve
29 environmental outcomes above regulatory standards, as we
30 discussed. This includes, in particular, about \$60 million to
31 divert untreated wastewater that flows into Sydney Harbour
32 at Vaucluse/Diamond Bay, into its Bondi treatment plant,

33
34 Finally the economic level of water conservation - or
35 ELWC - is a framework developed by Sydney Water to
36 determine the efficient level of expenditure to conserve
37 water, reduce leakage, promote water savings efficiency
38 initiatives and recycling. It was developed as part of Sydney
39 Water's operating license and, over the next determination
40 period, Sydney Water proposes that its expenditure on water
41 conservation will vary quite a lot depending on the
42 drought. If drought passes, Sydney Water proposes to spend
43 about \$10 million per year on water conservation, but if
44 drought continues it proposes to spend up to about
45 \$240 million per year on water conservation.

46
47 I will now hand back to Deborah, who will moderate the

1 discussion.

2

3 THE ACTING CHAIR: Thank you, Anthony.

4

5 Sydney Water, did you have any comments that you
6 wanted to make?

7

8 MR CHEROUX: No, not specifically, except on the last
9 point, the \$239 million is over four years not per year.

10

11 THE ACTING CHAIR: Thank you.

12

13 Are there any other questions or comments around the
14 table? Yes, Mark?

15

16 MR EDLER: Thank you, Chair, and thank you Sydney Water
17 for your presentation and your efforts to build a more
18 resilient water system for the community of Sydney.

19

20 It is heartening to see that you are seeking to take
21 into account the ongoing impact of climate change in some
22 of your planning. We think there is more that can be done,
23 particularly when we look at some of the costs that will
24 now be incurred to counteract or defer the effect of the
25 drought.

26

27 I guess I would ask this question: if we'd known the
28 drought was going to happen, what ought we have done
29 differently in the current pricing period so that we are
30 not now burdened with these massive capex increases?

31

32 MR CHEROUX: There are probably a number of things here.
33 When we're talking about the Prospect and Macarthur
34 pipeline, for example, this was in our plan, and this was
35 in our plan mainly for growth. Now, there is an
36 opportunity to bring forward the expenditure because it
37 gives us the possibility to make the system more resilient.

38

39 In answer to your question, maybe we could have done
40 the construction of this link between Prospect and
41 Macarthur a few years ago. The reason why we didn't do it
42 was simply because we thought that it was not efficient and
43 we did not want to engage in the expenditure in too long a
44 time before it was needed, so that we would protect the
45 bills of our customers.

46

47 If you look at the situation with our pipes, for

1 example, there is nothing much that you can do on clay.
2 Clay is clay and it behaves as it behaves, so you can't
3 really do things differently. This is a reactive activity
4 that you have to do when the network is under pressure.
5 This is also why we are saying this is a contingent cost.
6 This is not a forever cost; this is a cost that we have to
7 make in the drought and one that we would stop once we get
8 back to normal conditions. Those are the two aspects
9 between the reactive activities that we need to do because
10 we are in the drought situation and the cost that we are
11 proposing to bring forward to make the system more
12 resilient in the current situation, but also for the
13 future.

14
15 THE ACTING CHAIR? Mark, anything further?

16
17 MR EDLER: No, thank you. That's all from me.

18
19 THE ACTING CHAIR: Giselle, did you have anything you
20 wanted to raise?

21
22 MS HOWARD: This is more of a comment. The EPA, in this
23 price path, we put forward the three planks in our
24 submission. While the context of drought is there, these
25 are very much the things that we continue to push through.
26 They are: wet weather overflow, and others have raised
27 that in their questioning; the change in approach to
28 a risk-based approach and modernising, which is a very
29 important component for us; nutrient management in the
30 drought context with the growth of Sydney becomes even more
31 top of mind for us because the remaining flows that are
32 there have increased pressures with increased nutrients
33 into the river system, so that becomes the second very key
34 point; and dry weather overflow as well, has been
35 raised, quite a range of regulatory interaction has been
36 happening.

37
38 In that component, from the EPA point of view, we look
39 at the full regulatory toolkit - that is, things like, in
40 an IPART price path, how we can educate, influence and try
41 to explain what is needed for the system and the
42 environmental impact, and then at the most pointy end, the
43 environmental policing end. But we use all the things in
44 our toolkit, including our pollution reduction program
45 dialogue and a range of things with Sydney Water that we
46 have been doing for some time in trying to address that and
47 bring that in so it is not just the big stick end with

1 regard to wastewater.

2
3 THE ACTING CHAIR: Are there any other questions or
4 comments around the table?

5
6 MR BENTLEY: Chair, could I make one comment in response
7 to the question from Mark from Flow?

8
9 I think your question was about if you had known this
10 was coming, what could have you done in the last price
11 period. I think, frankly, when you're dealing with a city
12 of Sydney's age and complexity, it is not really just what
13 you did in the last price period. When you're talking
14 about the brownfield area, you have generations of
15 approaches to investment that you cannot just rip out and
16 start again.

17
18 What Sydney Water has done in the greenfields
19 planning, which Roch referred to earlier, is that they have
20 been pretty innovative in the work they are doing with
21 other parts of government about planning for those
22 greenfield expansion areas.

23
24 I am also heartened to hear what Roch explained
25 earlier in terms of the provision that has been made in
26 their submission for responding to triggers from the
27 economic level of water conservation and so on. I think we
28 should be fairly heartened with the more innovative
29 approach that we are now seeing that perhaps was not in
30 place decades ago when what was known now wasn't known
31 then, as it were. I think to look back over the past four
32 years and ask whether you could have avoided all this
33 investment would be a big ask.

34
35 THE ACTING CHAIR: Anything else around the table? We can
36 move to the audience. Are there other comments or
37 questions from the audience? Anything on Slido?

38
39 MR RUSH: There are a few questions on Slido to sustain
40 the discussion. I might go from the easiest to the most
41 difficult, although there are no easy questions.

42
43 The first one here is on leakage. It is not so much a
44 question but also a comment that maybe Sydney Water could
45 do more to manage and prevent its leakage and that doing
46 more to prevent leakage might be in the best interests of
47 managing a scarce resource and reducing long-term costs.

1 I guess maybe we could have a bit of a discussion on what
2 you are doing to prevent leakage and particularly under the
3 scenario if the drought continues.

4
5 MR CHEROUX: There is a lot of activity on leakage. Just
6 to put it back in context, the level of leakage in Sydney
7 is about 9 per cent. If you look at world standards, this
8 9 per cent is actually a very good standard. In most
9 capital cities, you would find probably between 14 to
10 20 per cent around the world. Even if it is a good level,
11 we do not think it is good enough, so we continue to work
12 hard on it.

13
14 There are different ways to do it. I mentioned the
15 network inspection that we are doing. During the last few
16 months we have significantly increased the level of network
17 inspection that we do. We are using very innovative
18 technology to do that. We use acoustic technologies, et
19 cetera. So we don't miss anything, and we have identified
20 a number of leakages because of new technology that we are
21 using.

22
23 We have sort of increased also the management of the
24 information coming from our networks, so all the meters
25 that are on our network. They may be customers' meters but
26 they may be also what we call district meters that are now
27 on our network and that gives us a lot of information. If
28 we dive into it, we can actually find a lot of resources in
29 it. This is also information that we are using.

30
31 Finally, we have also increased the number of crews
32 that we have on the ground to repair leakage in a quicker
33 way.

34
35 MR RUSH: If I might be able to be so bold as to ask a
36 question on this topic: have you thought about setting any
37 targets and communicating any targets on improvement?

38
39 MR CHEROUX: We are working on it.

40
41 MR RUSH: The next question from Slido is a biggie. It is
42 around recycled water, and it is:

43
44 Will potable recycled water be considered
45 in the next few years to enhance water
46 security and resilience?

47

1 MR CHEROUX: This is a discussion that we have with DPIE.
2 From a Sydney Water point of view, we very much want to
3 look at the integrated water cycle, which is basically
4 using all the different sorts of water that are available.
5 It can be stormwater, it can be recycled water. We are
6 having this discussion with the government at the moment
7 and there are things that are definitely there that we can
8 look into.

9
10 MR BENTLEY: We have just embarked on a piece of work with
11 Sydney Water and WaterNSW, and it will involve others as
12 well, to say, "Let's take a whole of system view of this.
13 Let us not look at the individual players in this thing but
14 stand back, look at the whole thing, and ask what are the
15 right contributions we should make to achieving the amount
16 of water we need into supply from further leakage
17 reduction, from further demand management, from more
18 desalination, and also from better reuse of wastewater?
19 That has environmental as well as other benefits to it.

20
21 That piece of work is underway. Sydney Water has done
22 a lot of conceptual planning around that, but clearly there
23 are very significant community issues that would need to be
24 well understood as well as the science behind this thing.
25 The work is underway. What is really important is that we
26 are taking a whole of system view on it and not looking at
27 it from one player's point.

28
29 THE ACTING CHAIR: Any other questions. Yes, Douglas?

30
31 MR McCLOSKEY: This relates not just to what we were
32 discussing there but also to some of the issues in the
33 questions on the screen.

34
35 Increasingly when you are looking at reactive and
36 proactive costs related to drought and to scarcity -
37 I think it goes to Mark Edler's point as well about what
38 you can predict - while it may be the case that instances
39 like we are currently facing at the moment are particularly
40 exceptional, and it is difficult to predict when they will
41 particularly strike and how extreme they will be, in a
42 sense - and I hate to use the Rumsfeld quote - they are a
43 "known unknown". We know that they are coming, and they
44 will, in frequency, probably occur at least once every two
45 determination periods and that the type of costs incurred
46 are better predicted in advance than they are waiting to
47 react and then having to build another billion dollar plus

1 desalination plant.

2
3 I think that goes to the question of considering the
4 efficiency of the way we use water. It is ridiculous that
5 we have a resource that we flush out into the ocean after
6 using it once. It is fantastic that we are having a
7 holistic discussion about where recycling and management
8 can fit into the larger picture. This is something that
9 has to start happening within these sorts of pricing
10 proposals. That goes not just to consideration of
11 investments but it also go to the constructions that we put
12 in place. Again that is not necessarily a question, per
13 se; it is more a comment to encourage that sort of
14 exploration in relation to the way that we treat these
15 costs.

16
17 MR BENTLEY: Chair, could I add one comment to that?

18
19 THE ACTING CHAIR: Yes.

20
21 MR BENTLEY: I think the Western Sydney work that Sydney
22 Water and the department and others have contributed to
23 very much looks at keeping water in the environment. It is
24 a lot easier to do that planning in a greenfield rather
25 than a brownfield environment. From that point of view
26 that is very positive, but from the point of view of the
27 existing system, shall we say, we are not walking away from
28 that challenge. We accept the environmental and other
29 challenges associated with that.

30
31 The question as to how much you build into each
32 pricing proposal, as I think we said this morning, is a
33 very difficult thing that IPART has to balance between not
34 putting prices through the roof for something that we don't
35 know when it will occur and making sure that we are being
36 prudent in both senses in terms of both sides of the
37 equation. I do not envy IPART their role in some senses in
38 trying to get that balance right, but we have a
39 responsibility on the planning side to provide the right
40 information for that as well. But in general direction,
41 I agree with your tone, and I think Sydney Water would join
42 with that.

43
44 THE ACTING CHAIR: We have a question from the floor
45 here..

46
47 MR SPARKE: I applaud the comments about water

1 conservation. A number of years ago, in the middle of
2 2005-2006, New South Wales implemented water and energy
3 conservation through the BASIX scheme, which is largely one
4 of the greatest bits of legislation that we have had in
5 terms of water and energy.

6
7 Conservation can relatively reduce demand by up to
8 42 per cent, by using rainwater harvesting systems, by
9 surface water capture, and contaminate reduction processes,
10 which alleviates a lot of this waste treatment that
11 ultimately comes downstream that we then have to address.

12
13 You talk about new technologies, but what I am
14 hearing from you is what your problems are. We have not
15 actually heard from you as to what proposals there are to
16 improve the situation. Sydney Water has relatively no
17 engineers to design anything. They are loaded with
18 planners that are counting numbers and heads.
19 Fundamentally Sydney Water needs to come back to being the
20 entity for which it was designed to do - that is, to create
21 the water infrastructure that we need.

22
23 Water is our primary resource, but nature is also one
24 of the critical aspects of water. If Sydney Water does not
25 have ultimate regard for the way in which we treat nature
26 with our water discharges, we will never catch up.

27
28 THE ACTING CHAIR: Is there another Slido question?

29
30 MR RUSH: Yes, we have one more Slido question here. It
31 is on the Western Parkland city and it relates to the
32 previous discussions we had tangentially around
33 discretionary expenditure. The question is:

34
35 In Western Sydney the lowest cost solution
36 may not be the best outcome for society
37 overall. How can Sydney Water recover the
38 costs of the best outcome for society?

39
40 I think it is a question for us as much as it is for Sydney
41 Water.

42
43 MR EDGERTON: It is probably a good point in time here
44 just to give a bit of an overview of IPART's framework in
45 terms of recycled water - that is, the framework we have
46 established whereby public water utilities such as Sydney
47 Water can recover the cost of recycled schemes from their

1 customers.

2
3 I guess the starting point for us is that, in looking
4 at how Sydney Water services its customers, we want to make
5 sure that Sydney Water is looking at all viable options,
6 that it is casting the net as far as possible and is doing
7 robust options analysis and then putting forward the best
8 outcome to us - that is, the proposal that will deliver
9 services at least cost or greater benefit to its customers.

10
11 The framework we have for recycled water is that if a
12 recycled water scheme is the least cost option to deliver
13 water and/or sewerage services while complying with all
14 regulatory requirements, then it is straight in the general
15 cost base and its costs are recovered from all customers,
16 which makes it a quite straightforward exercise for Sydney
17 Water.

18
19 There is scope, however, for the costs of a recycled
20 water scheme to be recovered from the broader customer base
21 even if it is not the least cost solution. There are two
22 ways that can happen - first of all, if the recycled water
23 scheme results in net avoided costs, so if the recycled
24 water scheme avoids any water supply augmentation
25 costs or sewerage treatment costs, the value of those
26 avoided costs can be recovered from the broader customer
27 base.

28
29 Secondly, and this comes back to the discretionary
30 expenditure point, if Sydney Water can show that its
31 customers are willing to pay for the recycled water scheme,
32 then the value they are willing to pay gets recovered
33 through the broader customer base.

34
35 To the extent it is not a least cost solution, any
36 residual costs to the recycled water scheme - that is, the
37 cost of the scheme less the avoided costs and less the
38 external benefit to the broader customer base - are then
39 recovered from the specific recycled water customer.

40
41 What this framework does is it basically ensures that
42 a recycled water scheme is viable where the benefits exceed
43 its cost. That is our framework for ensuring that Sydney
44 Water can recover its costs of recycled water schemes where
45 they generate net benefit.

46
47 THE ACTING CHAIR: I think we have started to touch on the

1 next section, which is around growth and expenditure, so
2 I might hand over to Ed now to move into that area.

3
4 Session 2: Growth and expenditure

5
6 MR WILLETT: Thanks, Deborah.

7
8 Now to the session on the implications of growth. We
9 have heard about the work of the Greater Sydney Commission,
10 and the implications for its work for growth in the
11 provision of Sydney Water's services, particularly in
12 Western Sydney. We know this infrastructure is expensive,
13 particularly in providing wastewater treatment services.
14 We also are aware - very much aware - that the government
15 since 2008 has had a policy of not charging developers for
16 wastewater and stormwater infrastructure. Those charges
17 have been set to zero, and that means that this investment
18 needs to be borne by the broader customer base through
19 Sydney Water prices.

20
21 Having made those introductory remarks, I am going to
22 hand over to Chirine Dada to introduce this session. Then
23 we will move to the question and discussion section. I am
24 very conscious that we are running short of time, so I will
25 ask people to be as succinct as they can in any
26 contributions they make. So Chirine.

27
28 MS DADA: Thank you, Ed.

29
30 I'll start by discussion the longer term trend for
31 growth and set the scene. The last time we undertook a
32 review of Sydney Water's prices was in 2015, where the
33 population of Greater Sydney was around 5 million. By
34 2029, it is expected to reach around 6 million and, by
35 2056, around 8 million.

36
37 As the population grows, Sydney Water's area of
38 operations will continue to expand as development spreads
39 into greenfields areas. This requires Sydney Water to
40 build and operate new water, wastewater and stormwater
41 infrastructure. It will also incur additional costs as it
42 augments its existing network to cope with increased
43 density in established areas.

44
45 Sydney Water plans to spend around \$1.6 billion on
46 servicing new properties, which represents an increase of
47 about 64 per cent from 2016 to 2020. Supplying water,

1 wastewater and stormwater services plus other
2 infrastructure for this level of growth will create some
3 challenges. Some of the longer term growth is density
4 driven and some is location different.
5

6 We will review the 2020-2024 investment forecast put
7 forward by Sydney Water, including the volume, location and
8 certainty of longer term growth, particularly where this
9 could influence treatment plant capacity decisions today.
10 Due to continuing development in the western parts of
11 Sydney and the limited additional capacity for wastewater
12 treatment there, the growth portfolio makes up the largest
13 part of the growth forecast, accounting for around \$1
14 billion in infrastructure over the period. This will be a
15 key area of focus.
16

17 In 2008, the New South Wales government set water,
18 wastewater and stormwater development charges for Sydney
19 Water and Hunter Water to zero. This was facilitated by a
20 direction from the treasurer to Sydney Water and Hunter
21 Water under section 18(2) of the IPART Act. This policy is
22 currently still in place.
23

24 As a result of this decision, since 2008 the prudent
25 and efficient growth expenditure incurred to service new
26 development has been added to Sydney Water's revenue
27 requirement and has been recovered from the broader
28 customer base through prices over time.
29

30 As property growth occurs, the costs of funding growth
31 will accumulate. With the expected growth in Sydney in
32 future, setting developer charges to zero will place upward
33 pressure on prices over time. In Sydney Water's proposal
34 before us today, a large reduction in interest rates has
35 allowed Sydney Water to service additional growth without
36 increasing customer bills. However, as the costs of
37 servicing new developments accumulates, even if interest
38 rates remain at an all-time low, there will be upward
39 pressure on water prices which will impact on customer
40 affordability over time.
41

42 We will review Sydney Water's proposed costs and have
43 engaged expert consultants to review Sydney Water's growth
44 projections and forecast water sales, especially where they
45 relate to capital and operating expenditure for growth.
46

47 Our consultants will also review Sydney Water's

1 proposed capital expenditure in total. They will provide
2 advice on Sydney Water's longer term capital development
3 strategy and will assess whether the processes supporting
4 its strategy, including options analysis, are best practice
5 and, therefore likely to result in efficient investment
6 decisions.

7
8 Our consultants work with us in determining the
9 efficient capital and operating costs of delivering Sydney
10 Water's services. This includes an assessment of the
11 efficiency gains which could be achieved over the period.
12 When making our decisions, we will consider our
13 consultants' recommendations, the information we receive
14 from Sydney Water and stakeholder feedback, including from
15 yourselves today.

16
17 I will now hand back to the convener.

18
19 MR WILLETT: Thank you, Chirine. We have some questions
20 as usual and we will start with comments from the table.
21 To my left, any questions or comments? Yes, Mustafa?

22
23 MR AGHA: We represent 115 different leading organisations
24 in Western Sydney and we have been pretty pleased with the
25 leadership that Sydney Water has shown in terms of the
26 Parkland City. We have been very active in advocating and
27 pursuing the aerotropolis as a priority for our members,
28 and our members themselves are pursuing it.

29
30 Our members have been really keen on seeing
31 essentially the Parkland City achieve its outcome, but
32 unfortunately they are limited by the infrastructure that
33 is out there at the moment and it is very little. It is
34 the leadership of Sydney Water and the infrastructure that
35 will go there that will support it.

36
37 The question is really about what can be achieved out
38 there if Sydney Water is not able to implement all the
39 infrastructure for the area and also infrastructure that is
40 efficient for outcomes for the area in terms of having a
41 future proof system. We have seen some outcomes in other
42 parts of Western Sydney that have not been ideal in terms
43 of the urban heat effect and other factors out there. We
44 are optimistic with what we are seeing, but there is also
45 the question as to what will happen if the capital
46 expenditure program is not at 100 per cent?

47

1 MR WILLETT: Sydney Water?

2

3 MR CHEROUX: We are really committed to making this happen
4 in Western Sydney, as we are for not only the three cities
5 but also the Greater Sydney area where we operate. We have
6 this commitment with a number of different parties.

7

8 Just focusing on Western Sydney, Western Sydney is a
9 fantastic opportunity to look at water in a completely
10 different way. This is what we have been working on with a
11 number of different organisations in the past and what we
12 have included in our plan. It is very much about looking
13 at the water and looking at all the aspects of an
14 integrated water cycle so that water is not only
15 considered for drinking water or wastewater, but it is also
16 about including water in the environment and water for
17 amenities for the public so that they can really enjoy the
18 place where they live.

19

20 MR AGHA: To follow up on that, what do you see is the
21 possible downside, though, if IPART doesn't allow you to
22 pursue the full capital expenditure program for the Western
23 Sydney area?

24

25 MR WILLETT: I am wondering whether this is called a
26 Dorothy Dixier, I think, just for our benefit. Yes, Roch?

27

28 MR CHEROUX: I think it is always a question of
29 discussion. We are having this discussion at the moment
30 with you and with IPART, and I think it is about having a
31 discussion and understanding what is the impact of the
32 decisions that will be made.

33

34 MR AGHA: Thank you.

35

36 MR RUSH: I would add that, in general, our regulatory
37 framework is around incentive-based regulation. What we
38 try to do through our decision is provide a utility with
39 what I would describe as a bucket of money for it to meet
40 it's regulatory and other obligations rather than approve
41 specific projects. Definitely as things progress and
42 things change, a utility will need to redirect its efforts
43 over time as well. We do not try and approve specific
44 projects like this pipe, this stormwater drain, et cetera.

45

46 MR WILLETT: Thanks, Anthony. Yes, Mark?

47

1 MR EDLER: Thank you. There has been a lot of talk about
2 recycled water and integrated water cycle management as
3 being new things. There are lots of people out there who
4 have been thinking about it for a long time. If you would
5 excuse me Flow has been thinking about it for the last 10
6 years and implementing those projects successfully. We are
7 all about keeping water in the community.

8
9 I guess where that leaves us today is that I would
10 like to hear from Sydney Water about what it is doing to
11 actually tap into that existing store of expertise in the
12 alternate recycled water industry to help meet some of the
13 challenges around servicing Western Sydney or other growth
14 infill areas and also moderating and looking for
15 opportunities to access avoidable costs in your capital
16 program.

17
18 MR CHEROUX: We are clearly open to discussion with
19 anyone. 80 per cent of our activity is actually outside
20 Sydney Water. 80 per cent of our activity is with the
21 private sector and we are very proud of that. The story
22 for us is very much about having the discussion with
23 different people, different companies that have expertise
24 that we don't have, that have good technologies that are
25 available and that are really best of breed that we can use
26 and then we can implement the best solution for our
27 customers.

28
29 We are not in a mind of doing everything by ourselves.
30 We are very much in the mind of partnering with the people
31 who will be able to help us to offer the best solution for
32 our customers.

33
34 MR EDLER: And what steps are you taking in this coming
35 regulatory period to do that?

36
37 MR CHEROUX: That is something that we have been doing for
38 quite some time, partnering with different organisations
39 and the private sector.

40
41 MR EDLER: To deliver your infrastructure, yes, but to
42 open the market to let other people deliver infrastructure
43 for customers?

44
45 MR CHEROUX: That is the discussion that we have. There
46 is always discussion, especially in community developments,
47 with the developers about the best solutions to provide the

1 services that they need, and sometimes we recognise that
2 someone else can do it.

3
4 MR McCLOSKEY: Speaking of new developments - this
5 something of a reverse Dorothy Dixier, because I am aware
6 that, again, it is something that is not necessarily within
7 the purview of this process - the continuation of zero
8 developer charges is becoming untenable, particularly with
9 the scale of growth, which is a direct government policy.

10
11 I think that it is good that Sydney Water has put this
12 issue in its proposal and also that IPART has highlighted
13 the division between the impact of where the lack of
14 developer charges is flowing through to consumers. I think
15 it has been somewhat coloured by the fortunate lowering in
16 the WACC, which has meant that it has not had the impact
17 upon bills that it could have or that it may very well have
18 in the future.

19
20 That is unfortunate in the sense that it is probably
21 allowing the issue to go unaddressed, but we think it
22 should be raised as part of this process. Sydney Water
23 does act on behalf of its customers and we think that it is
24 not enough simply just to raise the question that, "This is
25 the impact of zero developers charges"; it should be, "This
26 is the impact and we think that these costs should be more
27 fairly shared."

28
29 I think there is also the issue as to the way the zero
30 developer charges have a perverse incentive on the types of
31 development and solutions that developers undertake. It
32 does give an incentive towards more traditional solutions
33 rather than the kinds of management solutions which we all
34 want to see.

35
36 For all of those reasons and the fact that this issue
37 is going to become more pointed as that growth expands, we
38 do really need to have this conversation - that is, that it
39 has become untenable and we need to do something about.
40 Again, I accept that this is a question which goes beyond
41 the scope of this particular process.

42
43 MR WILLETT: I think we will leave that as a comment at
44 this stage, unless anyone wants to speak to it. No? Thank
45 you for the comment and we will take it on board, but we
46 will leave there at this stage, I think.

1 MS CULLIS: I promise that is my last question today.
2 With regard to the Parkland City, the western greenfield
3 site and wastewater, thank you very much for all of that
4 blue-sky thinking and those promises about the plans and
5 the discussions you're having and the fact that it has to
6 be a coordinated approach to wastewater. It looks as
7 though recycling is really important within that mix and
8 water-sensitive development design, of course. However,
9 the reality is you have kind of missed the boat because the
10 rate of development in that part of Sydney is moving ahead
11 of you well and truly. With respect, to give just one
12 example, the "For sale" signs are out at Mount Gilead.
13 Whilst you're planning some future strategy for dealing
14 with wastewater, between Appin and Mount Gilead it is
15 starting to happen already. It is also starting to happen
16 at Menangle Park.

17
18 The situation is I believe the Malabar system, as
19 I said earlier, is probably nearing capacity. There is
20 probably not a lot of scope for all of that extra
21 wastewater, in terms of sewerage wastewater, to find its
22 way, into the Malabar system. So what are the new plants
23 that you have planned for the Nepean because there must be
24 some, STPs along the Nepean River.

25
26 MR CHEROUX: The planning is not about blue sky; it's
27 about concrete solutions that are being discussed currently
28 with a number of developers. So things are happening at
29 the moment.

30
31 MS CULLIS: With respect, though, the development is
32 happening. With respect, I am just asking whether you can
33 talk about potential sites for the STPs because it is very
34 important. I have heard of one STP being proposed
35 alongside Menangle Creek, which is not within a development
36 footprint but within an endangered ecological community.
37 Can you see that there is a lot of talk happening out there
38 and it would be really good to have some plans that were
39 basically unveiled by Sydney Water.

40
41 MR CHEROUX: I understand and I will take the question
42 I am not able to give you the specific position of the
43 different plants at this stage. There is still a number of
44 coordinating planning that is happening with different
45 parties.

46
47 MR ED WILLETT: We have a question here.

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MS JOHNSON: Hello, my name is Sue. I am from out Wilton way, which is the new city that is going to be planned. That is two hours and 37 minutes from here if you want to go by train, by the way.

I have a question stemming from the previous question. Why did Sydney Water and WaterNSW not take a stronger hand at protecting the water supply of the drought-prone area of Wilton and surrounds and Greater Macarthur at the strategic planning stage? What advice did it give planning and when? In other words why has this not been master-planned with the growth centre SEPP up-front and the revenue raised earlier?

MR CHEROUX: Can we take that on notice because we need probably a bit more information about exactly what it is. We have planning and long-term planning for all of the areas. So can we have a discussion on those?

MS JOHNSON: I think the purpose of my coming here today was for the tribunal to understand some of the environmental impacts and concerns around that particular proposal, the \$570 million, and the \$77 million, which is part of the 12 November proposal. That, I believe, is directly related to the Wilton planning and the Greater Macarthur planning. I have a lot of questions here, so I am happy to talk later about it, but essentially --

MR WILLETT: Can I suggest this?

MS JOHNSON: Yes.

MR WILLETT: What you have said so far is already on record before us. If you could put your questions to us in writing, we will certainly take those on board. Sydney Water has undertaken to take the question on notice and get back to at least us.

MS BRAKEY: We also have the drop-in session.

MR CHEROUX: We are happy to have the discussion after. Paul here has some answers, so we can have a discussion immediately afterwards.

MS JOHNSON: I have another for discussion, which I am sure has not been covered. The growth centre SEPP exempts

1 Wilton from having a recycled water plant - and you are
2 aware of that. Was that through the influence of IPART or
3 Sydney Water that those developers were exempt from having
4 recycled water in an area where it is required, due to its
5 impact on the Nepean River system, in the only pristine
6 section of the river system? Do we know why they were
7 exempt, in other words?

8
9 MR EDGERTON: No. IPART was not involved in that
10 decision.

11
12 MR CHEROUX: And Sydney Water was not involved either.

13
14 MS JOHNSON: Okay, thank you.

15
16 MR WILLETT: Thank you.

17
18 We will have one last question before we move on. If
19 you could keep it short, please.

20
21 MR SPARKE: Okay. I'm sorry I've taken a bit of time,
22 thank you.

23
24 I have to suggest that the economic argument from
25 Sydney Water does not stack up. To offer Sydney Water
26 another 2.5 per cent to maintain the status quo is
27 irresponsible.

28
29 In Industrial Revolution 4.0, which we are approaching
30 in terms of technology and performance, there are a huge
31 number of opportunities which Sydney Water could put in
32 place to mitigate costs and to provide greater services to
33 the community. I reject out of hand that they need 2.5 per
34 cent to maintain the status quo with the performance that
35 they have demonstrated over a long period of time.

36
37 MR WILLETT: Thank you. Anthony, do we have anything
38 pressing from Slido?

39
40 MR RUSH: No pressing question from Slido. There are a
41 couple of questions from Slido, but they are not related to
42 this issue. I think we can cover them at the end if there
43 is time

44
45 MR WILLETT: Thank you very much, everyone for that
46 session. I will hand over to Anna.

47

1 Session 3: Prices and form of regulation

2
3 MS BRAKEY: Thank you, Ed. In the interests of keeping it
4 brief I will make very quick remarks and get Ian to
5 present.

6
7 This is our final session for today and we will be
8 talking about Sydney Water's proposed prices and the form
9 of regulation. This session highlights how the costs of
10 drought and growth discussed earlier today impact on your
11 prices. So, Ian, would you like to make your
12 presentation.

13
14 MR DEHLSSEN: Thank you, Anna.

15
16 I will begin today by outlining two price structure
17 changes that Sydney Water has proposed due to the risks of
18 drought, which are:

19
20 Additional cost pass throughs to manage uncertain
21 additional costs related to drought; and

22 A change to the demand volatility adjustment
23 mechanisms to address potential revenue shortfalls on an
24 annual basis in times of drought.

25
26 I will then address the impact of these changes on
27 prices and summarise stakeholder feedback on scarcity
28 pricing as a way to manage these additional costs.
29 Finally, I will address Sydney Water's proposed late,
30 declined and dishonoured payment fees.

31
32 In November, Sydney Water updated its 1 July pricing
33 proposal to reflect the deteriorating drought outlook and
34 minimal rain over the winter period. A key part of this
35 was to include a cost pass through mechanism for additional
36 drought-related operating and capital costs.

37
38 In general terms, cost pass throughs allow Sydney
39 Water to pass through additional costs from events which
40 are unexpected or uncontrollable. The effect is to reduce
41 financial risks for Sydney Water by allowing prices to be
42 updated during the determination period.

43
44 Sydney Water has proposed a number of new cost pass
45 throughs in its November proposal:

46
47 Firstly, if the New South Wales government decides to

1 expand the capacity of the Sydney Desalination Plant,
2 Sydney Water proposes to pass through the costs of
3 upgrading its existing networks to accommodate additional
4 water from the plant.

5 Secondly, Sydney Water plans to expand its water
6 conservation program as dam levels fall; and,

7 Finally, Sydney Water proposed to pass through
8 additional costs for advertising and implementation cost of
9 water restrictions and drought management.

10
11 This slide outlines the effect that this should have
12 on prices.

13
14 Another form of regulation change Sydney Water has
15 included in its November proposal is an annual demand
16 volatility adjustment for when water restrictions are in
17 place. Because we calculate prices by dividing Sydney
18 Water's costs by a demand forecast, our reduction in demand
19 would see Sydney Water under-recover its efficient costs
20 and vice versa.

21
22 Currently we manage this risk by comparing actual
23 demand with forecast demand over a whole determination
24 period and adjusting prices in the next period to prevent
25 net over or under-recovery over the medium term.

26
27 In its updated proposal, Sydney Water's forecast water
28 sales and prices are based on long-term average consumption
29 levels. This means they do not reflect the impact water
30 restriction may have on demand.

31
32 Due to additional uncertainty from water restrictions,
33 Sydney Water has proposed that if its annual demand is more
34 than 5 per cent different from its forecast demand, then
35 prices would be adjusted in the following year rather than
36 at the end of the determination period.

37
38 This table shows the impact of Sydney Water's proposed
39 cost pass-throughs on price. The first column is the
40 current prices, so for the 2019-20 financial year. The
41 middle column details Sydney Water's updated prices for
42 baseline expenditure should drought conditions ease. This
43 includes additional expenditure for the Prospect to
44 Macarthur link and increased operational response dues to
45 recent dry weather, but does not include the drought cost
46 pass throughs discussed earlier.

1 The far right column details Sydney Water's proposed
2 prices if drought continues and incorporates the proposed
3 drought cost pass throughs into the fixed water service
4 charge.

5
6 Please also note the 13 cent per kilolitre increase in
7 the water usage charge due to the Sydney Desalination Plant
8 uplift, which is also in the current determination.
9 Sewerage and stormwater prices won't change because of the
10 update.

11
12 The drought scenario is based on the assumption that:

13
14 Dam levels are between 30 and 40 per cent, so Sydney
15 Water must increase its water conservation projects by
16 between \$51 million and \$62 million per year in line with
17 its operating licence conditions; and

18 SDP expansion has been announced and Sydney Water
19 must include additional costs because of network upgrades.

20
21 Note that these prices do not take into account Sydney
22 Water's proposed changes to the demand volatility
23 adjustment mechanism. If water restrictions remain in
24 force and demand is much lower than forecast, service
25 prices could be significantly higher still. They do not
26 include any capital costs from the expanded Sydney
27 Desalination Plant or the cost pass throughs proposed by
28 WaterNSW.

29
30 As shown on the previous slide, Sydney Water's amended
31 proposal includes increases to the water service charge to
32 pass through drought expenditure.

33
34 Stakeholders have raised in their submissions to our
35 issues paper that price structures should reflect water
36 scarcity to send signals to customers about their level of
37 consumption. For customers to respond to dynamic water
38 availability, we would need to adjust the water usage
39 charge rather than the service charge.

40
41 Theoretically, scarcity pricing could be used to
42 better manage water demand in times of drought. Currently,
43 we fix water prices for three to five years, so there are
44 no signals to users to conserve water when drought
45 develops. Instead we rely on water restrictions to manage
46 demand.

1 We are interested in your views today on whether and
2 how scarcity pricing could be utilised. We will consider
3 the benefits and costs of adopting water scarcity pricing
4 to signal to consumers the limited short term supply and
5 value of water through this review. One option for
6 scarcity pricing is to set a menu of usage prices that
7 increases as dam level decrease.
8

9 Finally, since 2016, we have regulated the fees Sydney
10 Water can charge for late payments and declined and
11 dishonoured payments under section 12A of the IPART Act,
12 which is separate to how we set normal prices.
13

14 Sydney Water has proposed small increases in the
15 prices to reflect an increased allocation of corporate
16 costs and inflation.
17

18 Fees compensate Sydney Water for administration and
19 funding costs that arise from an overdue account or
20 declined or dishonoured payment. If the interest accrued
21 on the overdue balance is greater than the determined late
22 fee, Sydney Water can also charge the amount of interest
23 accrued instead of the late fee. Back to you, Anna.
24

25 MS BRAKEY: Thanks, Ian.
26

27 We might start with any comments around the table. Do
28 you have anything you would like to talk about, Douglas?
29

30 MR McCLOSKEY: I do, and I could probably take up the next
31 hour and a half doing it, which I don't want to do.
32

33 I do want to say that we have a lot of problems with
34 the consideration of, one, the way that Sydney Water has
35 proposed to handle additional costs related to the drought
36 and loading them onto fixed charges. We would certainly
37 prefer that for any cost pass-through to be put onto the
38 usage charge that consumers still have the ability to
39 control it as much as possible.
40

41 With the discussion on scarcity prices we have an
42 issue with that. Essentially we see them as a form of
43 penalty which does not provide long-term behaviour signals
44 that treats water as a resource to be conserved
45 permanently, other than wait till you don't have any and
46 then hit people with a charge for doing what you have
47 allowed them to do over the previous period of time.

1
2 I know that, from an economic perspective, there is a
3 lot of argument for the efficiency of scarcity prices and
4 the dynamics of scarcity pricing, but we do not think it
5 accords with the way the community understands water, nor
6 do we think that it is because of the way people behave,
7 particularly in relation to an essential service. We would
8 much rather see prices that build in a transparent
9 structure that encourages people to conserve the resource
10 and value it accordingly and give long-term transparency,
11 both to consumers and to others, to provide the investments
12 and undertake the behaviour which treats water in a way
13 that does use it efficiently rather than waiting till we
14 don't have any, or waiting till its scarce and then hitting
15 people with the cost. That is essentially a short-term
16 penalty that they cannot react to. That is my very brief
17 response.

18
19 MS BRAKEY: Thank you. Mark?

20
21 MR EDLER: From Flow's perspective, we support the call to
22 properly value or properly price the value of water in the
23 long term. We are probably a little bit different in that
24 we accept that scarcity pricing is probably needed now to
25 moderate some behaviours. But longer term we would like to
26 see the pricing reflecting the value of water as a
27 long-term resource.

28
29 I think there was some discussion in the papers around
30 the way that IPART is looking at changing the value of
31 wastewater services, but it has not really come up today.
32 Suffice to say that we support that work that IPART is
33 doing to understand at least what the costs are on a
34 system-by-system basis. Accepting that usage charges for
35 wastewater is not practical, but at least understanding
36 what those long run marginal costs are is something we
37 would support and we support that investigatory work.
38 Thank you.

39
40 MS BRAKEY: Mustafa did you have any comments, or Sue?

41
42 MR AGHA: No.

43
44 MS BURTON: No.

45
46 MS BRAKEY: Sydney Water did you want to make any comments
47 on anything that we have presented?

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MS MURAS: Hi, I am Heidi Muras, from Sydney Water.

I just wanted to put on record too that Sydney Water is proposing to keep the same terms and conditions for the late payment fee, so we would still have the same exemptions that we currently have for customers who are facing payment difficulty or on payment plans that the fee would be exempt from those types of customers.

MS BRAKEY: Thank you. Do we have questions from the audience? Yes?

MS JOHNSON: Hello again. I am concerned about the unfair playing field that is driving the costs up in regard to this drought proposal - and I am specifically talking about the \$570 million and the \$77 million - for moving water from Warragamba back through to Prospect, back to Macarthur. I do not see that as drought management at all.

The issue is that Sydney Water has engaged with some developers through a funded agreement and come up with some options. Those options have been held in secret until now. We have heard the amount that it is going to cost to service these areas, though we don't know the detail. We do not know if it is meeting any of the environmental outcomes.

It is interesting that in the report it says there have been no new WICA licences for greenfield developments, but neighbouring one of the approved developments is a WICA licence style for Lendlease. They are being treated as: "Demonstrate your costs for recycled water and wastewater independently of Sydney Water." So why have Bradcorp and Walker been given the opportunity to be exempt from developer charges which means that Sydney Water prices will be driven upwards for everyone?

That is one part of the unfair playing field. I don't know if it is unfair, but I think it is an issue that needs to be looked at.

The other issue is that the government decided, on the last day of caretaker mode, to prevent all rural landowners around existing infrastructure from submitting planning proposals unless they have access to water. How they could demonstrate that, I don't know, but in the case of the

1 growth centres they are exempt from that. They don't have
2 to prove in any planning proposal that access to water is
3 an issue. I think that is quite unfair and it is driving
4 our prices up.

5
6 The other thing is that we have very low dam levels.
7 We are an isolated system and we get morphed into a
8 statewide average. Currently, Cataract is at 30 per cent.
9 It supplies our region and it has been offline for potable
10 water for some months. I have a question around that and
11 I know WaterNSW are probably not here and I am late, but is
12 it going to come back online and does it have an
13 infrastructure failure? These things need to be taken into
14 account in this \$570 million.

15
16 Can anyone answer the question before I move on, as to
17 whether Cataract Dam has an infrastructure failure and
18 whether it is mining that is causing it?

19
20 MS BRAKEY: There are some people from WaterNSW that we
21 will ask to stay back after this session and talk to you
22 about that.

23
24 MS JOHNSON: The reason I ask that is because no matter
25 what rain event we have - and we are in a drought-prone
26 area so we are not getting the same rain as the Sydney
27 Basin - the dam level is not going up. We think that it
28 has a failure, and that's the community concern. That
29 needs to be part of this proposal. It is not about
30 shifting water around; it is about how do you create new
31 water? Wilton is exempt from creating new water or reusing
32 water. How does this play out to be fair?

33
34 MS BRAKEY: Did Sydney Water want to respond whether this
35 is a resilience or a drought-response measure?

36
37 MR CHEROUX: On the pipe from Prospect to Macarthur?

38
39 MS BRAKEY: Yes.

40
41 MR CHEROUX: We see it very much as a resilience
42 investment because that gives us the possibility to move
43 water around. I accept the fact that this is not a drought
44 response, because we need to have water to move it around.
45 This is very much a resilience piece of investment.

46
47 MS BRAKEY: And your comments on the developer charges

1 I think were aligned with Douglas's comments on developer
2 charges earlier, as well.

3
4 MS JOHNSON: Yes, and I believe, because these are
5 market-led and state-led investments, that they should take
6 a different course of action. They either get funded by
7 the revenues, the dividends of Sydney Water, by developer
8 contribution or by stamp duty, because the winners are not
9 the community and the losses are pretty big in our
10 community with these proposals. It needs to establish what
11 are the alternatives, who are the winners and losers?
12

13 I have been on this journey since 2018, early 2018,
14 and Sydney Water were not going to support Wilton
15 initially. That was their public submission. Then, after
16 \$900,000 or so was handed over to the corporation business
17 side to come up with some option studies, we did not see
18 any options until the first DA was approved, which was a
19 month ago. Now we are seeing a new proposal, one month
20 later, for \$570 million, so I was just concerned about
21 that.
22

23 MS BRAKEY: We might try and engage with you after the
24 session. We have another question.
25

26 MS SAPPANY: Hi, I am Radhini Sappany from the Department
27 of Premier and Cabinet. I may have missed this before, but
28 I was wondering whether there has been any work to model
29 the effect of the annual demand volatility adjustment.
30 I guess I am just wondering whether it is likely to result
31 in some big price swings for customers.
32

33 MR HIGHAM: Paul Higham, head of service planning at Sydney
34 Water.
35

36 It is actually fairly simple. The way it will work is
37 that any demand in the year that is more than 5 per cent
38 below forecast, we would seek to recover in the following
39 year, after adjusting for any costs that we save by having
40 to distribute less water to our customers. So it's not
41 extra revenue; it is revenue that would the normally be
42 expected in the demand forecast, below that 5 per cent
43 limit, either side of it. If it is below, we would seek to
44 recover that in the following year. It is a time shift, if
45 you like, in the revenue recovery, if it is required
46

47 MS BRAKEY: I see that Fire and Rescue is in the audience,

1 did you want to raise any issues?

2

3 MR MARK PORTER (Fire and Rescue NSW): Probably not. We
4 are just taking it all in, I think. We are being
5 politically savvy, I guess.

6

7 MS BRAKEY: Are there other questions from the general
8 audience? Yes?

9

10 MR COMITO: Good afternoon. My name is Peter Comito.
11 I came to this country 1951. I worked for Anthony Squires
12 in St Marys and on the weekend I used to work for Frank
13 Lowy, in Blacktown, in a little delicatessen. I am still
14 living in Blacktown. I ran my greengrocery for 45 years in
15 Blacktown. I invested in a little commercial property in
16 South Windsor. There is one meter, one service which I have
17 been paying till 2012, one service charge.

18

19 In 2012 everything changed. I am paying now 900 per
20 cent more. I cannot understand how it has come about.
21 Still it is one metre service. Okay, I have nine tenants,
22 but it is one metre reading. How do they justify it?
23 I have been negotiating with the Water Board, with IPART
24 and with the Ombudsman, but unsuccessfully. How do we
25 justify it? They claim my property is mixed development.
26 Mixed development! But with the Water Board, originally
27 back in the 1980s, it was classified as industrial. In the
28 middle of a commercial zone, there are about a hundred
29 shops, and my property is the only one claimed as a mixed
30 development. That is number one.

31

32 Number two, you can't build shops if it is not
33 commercial. It is commercial. There are a hundred shops
34 there. There are six shops there, six service charges, and
35 further down there are the kinds of shops with 10 and three
36 shops and five shops and they have one meter. I also have
37 one meter. I feel discriminated for that.

38

39 And another thing, if it is commercial you charge your
40 service charge according to the size of the meter and how
41 many meters you have. That is how it should be. How can
42 we charge 10 service charges for six shops and four units
43 above, which originally were built as commercial back in
44 1980. I could not have a tenant commercially upstairs, so
45 with the council, we changed the zoning and we put four
46 residential units above. Mind you, it's a small property.
47 It is 322 square metres. I am paying 10 service charges

1 for a 25 kilolitre meter. I am paying 10 service charges,
2 but they only read one meter.
3
4 MS BRAKEY: Is that something you would like to respond to
5 now?
6
7 MR CHEROUX: I think we need to take it on notice. We are
8 happy to have a discussion about this.
9
10 MR COMITO: If they say it is commercial, then it should
11 be commercial, because you can't build shops in a
12 residential area, or in an industrial area.
13
14 MR CHEROUX: I am not aware of the details of the case,
15 but we should have a discussion about that.
16
17 MR COMITO: I feel with this terrible case very
18 discriminated, because the Westfield, they have thousands
19 of shops and yet only pay the service charge according on
20 how many meters and the size of the meters, which is how
21 I think that should be.
22
23 MS BRAKEY: We might deal with this at the session after
24 this, the drop-in session, because it is so specific.
25
26 MR COMITO: Thank you.
27
28 MS BRAKEY: There is one last question, so this will be
29 last question for the days, thank you.
30
31 MS JOHNSON: The 12 November proposal includes \$77 million
32 that was to be spent this financial year, and I believe it
33 is on the Prospect to Macarthur system. Can you explain
34 exactly what that will contribute to and whether the \$540
35 million will complete the requirements of the growth area,
36 which will continue beyond its review period of 2024?
37 In other words, do we expect the project costs for
38 servicing the growth centres to go beyond the \$540 million
39 and the \$77 million, and what is the \$77 million for this
40 year?
41
42 MR HIGHAM: Just to be clear, the investment in Pro-Mac is
43 accelerated investment to service the growth for the whole
44 of the south-west corridor. So it is from just north of
45 Campbell downwards as we go, but it is servicing population
46 growth in the whole area. We have basically brought
47 investment forward approximately five years to service the

1 population growth that is coming in as part of the ability
2 to make our system more. It is not specifically related to
3 the servicing of Wilton, for example. It is are for the
4 whole of the region, it is subregional servicing.

5
6 \$77 million is the planning of that work in this
7 current period in order to transition the delivery of that
8 work into the next few years to bring that work forward in
9 order to invest in a resilient water supply for a range of
10 population growth in that region.

11
12 MS JOHNSON: So the \$77 million in planning, that will be
13 an environmental impact assessment and so on in
14 consultation with the community?

15
16 MR HIGHAM: All that works, yes, planning --

17
18 MS JOHNSON: My question is why that was not done before
19 the DA was supported by Sydney Water?

20
21 MR HIGHAM: Just to be clear, this piece of infrastructure
22 is not specifically for the Wilton growth area; it is for
23 servicing population growth in the south-west corridor,
24 Wilton is serviced, and was always intended to be serviced,
25 from the Macarthur treatment system, which already exists
26 and has capacity to service the Wilton region.

27
28 MS JOHNSON: That is stage one?

29
30 MR HIGHAM: Yes.

31
32 MS JOHNSON: But not the rest?

33
34 MR HIGHAM: Yes.

35
36 MS JOHNSON: So it will have the 200,000 homes in the
37 Greater Macarthur-Wilton area, and there will be no further
38 funding required after that?

39
40 MR HIGHAM: No, there may be further funding required for
41 investment of infrastructure just in line with our other
42 population code requirements. It depends on the density of
43 those areas.

44
45 Closing Remarks

46
47 THE ACTING CHAIR: There will be refreshments outside and

1 we will be here till 6 o'clock this evening so that there
2 will be time for further questions. But given our
3 commitments to timing of the hearing, and there are likely
4 to be some people that need to be somewhere else, probably
5 with their families, we will bring things to a close now.
6

7 If there were any questions on Slido that didn't get
8 answered, please come and see us and we can talk about
9 those.

10
11 On behalf of IPART, I would like to thank you all very
12 much for participating in today's proceedings. It has been
13 very helpful to hear your views first-hand. We do
14 appreciate that people take time out of their schedules to
15 come to these sorts of hearings, so thank you very much for
16 that.
17

18 We also say thank you very much to the presenters
19 today from the utilities for presenting and to the
20 contributors from the general public.
21

22 A transcript of today's proceedings will be available
23 on our website in a few days. We will consider all that we
24 have heard today in addition to submissions that we have
25 received when we are forming our final views.
26

27 As previously mentioned, we will release the draft
28 report, again for further public comment, in March next
29 year. There will be about four weeks then to make further
30 written submissions. Then we will make our final decision,
31 and the final report will be released in June 2020, and the
32 prices will apply from 1 July 2020.
33

34 Thank you very much again. We really appreciate your
35 time.
36

37 AT 3.25PM THE TRIBUNAL WAS ADJOURNED ACCORDINGLY
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