

INDEPENDENT PRICING AND REGULATORY TRIBUNAL

REVIEW OF THE IPART WACC METHOD

Tribunal Members

Dr Peter Boxall AO, Chairman
Mr Ed Willett and Ms Deborah Cope, Members

Members of the Secretariat

Mr Hugo Harmstorf, CEO, Mr Mike Smart,
Ms Anna Brakey, Ms Melanie Mitchell and Mr Anthony Rush

The Masonic Centre, 66 Goulburn Street, Sydney

Tuesday, 15 August 2017 at 10.00m

1 **OPENING REMARKS**

2
3 THE CHAIRMAN: Good morning and welcome. I am
4 Peter Boxall and I am Chair of IPART, the Independent
5 Pricing and Regulatory Tribunal.
6

7 I would like to begin by acknowledging that we are
8 meeting on the Gadigal land of the Eora people and I would
9 like to show my respects to the traditional custodians of
10 that land and Elders both past and present.
11

12 I welcome you to this public hearing, which is part of
13 the consultation process for the review of our standard
14 method that we use to decide the weighted average cost of
15 capital for our regulated businesses and in other cost
16 reviews,
17

18 I am joined today by my fellow tribunal members,
19 Ed Willett and Deborah Cope. Assisting the tribunal today
20 are members of the IPART secretariat: Hugo Harmstorf, who
21 is IPART's CEO; Mike Smart, our chief economist; as well as
22 Anna Brakey, Melanie Mitchell and Anthony Rush.
23

24 Our WACC method was last updated in 2013 and is
25 generally working well. Overall, it has increased the
26 stability of our regulatory regime for regulated
27 businesses. However, we review it periodically to make
28 sure that it is still functioning as intended and to
29 consider whether we can make incremental improvements where
30 it is feasible and beneficial to do so.
31

32 In early July, we published an issues paper which
33 asked questions and put forward our preliminary views on a
34 number of issues. The purpose of today's hearing is to
35 hear your feedback on our preliminary views. We are also
36 interested in your thoughts on any other issues to do with
37 our standard WACC method that we might not have canvassed
38 in our issues paper.
39

40 We are also seeking written feedback on questions
41 asked in our issues paper. The closing date for
42 submissions is 18 August, which is this Friday. At the end
43 of this hearing, we will assess whether this gives everyone
44 sufficient time to respond to any issues raised today or if
45 we need to allow a bit more time.
46

47 We will consider all submissions and the feedback we

1 receive at this hearing and we will undertake further
2 analysis. We will release a draft report in October and
3 there will be an opportunity to make further submissions on
4 that.

5
6 The hearing today is split into three sessions. The
7 first session this morning will consider our preliminary
8 views and questions on the cost of debt; the second session
9 will consider issues concerning the cost of equity; the
10 third session will consider other implementation issues
11 including how we sample parameters, measure inflation and
12 apply the WACC decision rule.

13
14 We will have a break after the first two sessions at
15 about 11.45.

16
17 To begin each session, a member of the IPART
18 secretariat will introduce a topic and I will then invite
19 discussion from representatives at the table and then any
20 further comments from the audience.

21
22 As this hearing is being recorded and transcribed.
23 I ask that speakers please identify themselves and, where
24 relevant, their organisation and to speak clearly and
25 loudly. Thank you.

26
27 I now call on Anthony Rush from the IPART secretariat,
28 to introduce our first session on the cost of debt.

29
30 **Session 1: The cost of debt**

31
32 MR RUSH: Thank you, Dr Boxall.

33
34 In this session, we seek stakeholder feedback to our
35 preliminary views and questions on the cost of debt. These
36 are contained in chapter 4 of our issues paper.

37
38 To summarise, we currently set the cost of debt at the
39 start of each regulatory period and apply this value for
40 the whole period. We do this by adding estimates of the
41 10-year risk-free rate and the risk premium on 10-year BBB
42 rated corporate bonds with an allowance for debt raising
43 costs.

44
45 We calculate a current estimate averaged over a
46 40-day period and the historical average over the past
47 10 years of the risk-free rate and the risk premium. We

1 then take the midpoint of the current and historical
2 averages.

3
4 We considered three potential refinements to our
5 update:

6
7 1. Whether we should update the cost of debt within a
8 regulatory period or continue to set a single cost of debt
9 for the period;

10 2. When estimating the cost of debt what mix of
11 current observations and historical averages should be
12 used;

13 3. Whether adjustments to published bond yield data
14 should be made to reflect long-term borrowing costs. This
15 includes whether we should annualise yields that are based
16 on semi-annual rates of return and whether any adjustment
17 should be made for the fact that the cost of debt is
18 measured from coupon-paying bonds.

19
20 We now seek your feedback on these questions.

21
22 THE CHAIRMAN: Would anybody in particular like to start
23 off? Otherwise I will just hone in and grab someone. How
24 about Justin from the Sydney Desalination Plant?

25
26 MR JUSTIN DE LORENZO (Sydney Desalination Plant): Thank
27 you, Mr Chairman. Firstly, we are pleased that the review
28 is on foot. We welcome it today and we intend to
29 participate fully in it.

30
31 We are still formalising our views on our positions,
32 but one thing we were interested in is actually a question,
33 so I will now turn a comment into a question, if that is
34 okay.

35
36 THE CHAIRMAN: Yes, sure.

37
38 MR DE LORENZO: In terms of the benchmark efficient
39 entity - and there is a little bit of discussion about that
40 in the issues paper - we would be interested in whether the
41 secretariat, IPART, has a view about particular debt
42 management strategies that flow from a particular view of
43 benchmark efficient entities and whether you have any
44 comment on that.

45
46 THE CHAIRMAN: Anthony?

47

1 MR RUSH: We might leave that to session 3.
2
3 THE CHAIRMAN: Yes, so hold that question, Justin.
4
5 MR DE LORENZO: Thank you, Chair.
6
7 THE CHAIRMAN: Thank you very much, Justin. Hunter Water,
8 Peter or Jayne?
9
10 MR PETER SHIELDS (Hunter Water): Overall, I suppose we
11 favour a shift away from the current approach. That is the
12 position we held through the 2013 review and also the
13 position we have put in our 2015 price submission. We
14 think that there should be a greater weighting, if not a
15 full weighting, to the historic trailing average. Again it
16 is simply that we have average asset lives of 60 to 70
17 years, long-term investments in large capital assets, and
18 this creates some instability, so we think there should be
19 a move to a full trailing average or at least that greater
20 weighting be given to historic rates.
21
22 THE CHAIRMAN: Thanks, Peter. What about Sydney Water?
23 Jeff, Zoran?
24
25 MR JEFF GRAHAM (Sydney Water): I would probably agree.
26 We have similar views to Hunter. With a benchmark entity
27 like Sydney Water borrowing long term for long-lived
28 assets, it is hard to see an entity like that, in the
29 theory of the method at the moment, refinancing 50 per cent
30 of their debt every four years or using some products to do
31 that. I do not think a benchmark entity would do that.
32 Given the long tail, I think a 10-year trailing average is
33 probably more appropriate, as we see it, and a much better
34 risk match for us compared with the current method. In
35 theory, it has a refinancing risk that is quite significant
36 if we were to refinance 50 per cent of our debt every four
37 years. So those are our reasons.
38
39 MS COPE: Could I ask a question on that?
40
41 THE CHAIRMAN: Sure.
42
43 MS COPE: We regulate a range of industries and they have
44 different characteristics. Are you suggesting that the
45 trailing average should apply across the whole so that the
46 WACC formula is consistent across different sectors or are
47 you saying that what we need to do is have different ways

1 of targeting that depending on the nature of the businesses
2 that have been stipulated, or are you just saying that, for
3 you, that is what you think should apply?
4

5 MR GRAHAM: Yes, for us that is what it is. I cannot
6 really speak for other agencies as to how they would
7 normally set up a benchmark firm in their industry. I know
8 for Sydney Water, and anyone with long-lived assets, it
9 would be unusual if you had the choice, to be refinancing
10 50 per cent of your debt every four years or setting up a
11 derivative structure to meet that.
12

13 There are advantages in borrowing long term for us and
14 there is liquidity in that market for us. To move out of
15 that would probably increase our costs, whether it be
16 derivatives or a move away from that.
17

18 MS COPE: Is there anyone around the table who is in a
19 different sector who has a similar or different view on
20 what is appropriate for them?
21

22 THE CHAIRMAN: Justin?
23

24 MR DE LORENZO: Yes, if I could, and I acknowledge that
25 there are different ways to manage debt. I think in the
26 private sector world, and probably maybe looking over in
27 the AER world, where there are private sector regulated
28 entities, there are different approaches to debt management
29 that would involve hedging differently to just issuing of
30 physical debt. A benchmark efficient entity could have
31 numerous ways and numerous debt strategies to deal
32 efficiently with their debt management.
33

34 As I say, we have not finalised our views, but it is
35 important just to acknowledge that that is the case.
36 I think in our submission we will be talking about a
37 broader set of debt management strategies than one single
38 approach. That is not to say that, in any way, the approach
39 that other entities use is not efficient. We are not
40 saying that at all, but there is more than one efficient
41 way is probably the way we would put it.
42

43 THE CHAIRMAN: Thank you, Justin. Michael?
44

45 MR MICHAEL REDDICK (Tcorp): With capital, in terms of
46 utilities, I would think they would lend themselves more
47 towards the trailing average, whereas if you are looking at

1 regulating ticket prices for buses, that is completely
2 different. I would think with the capital intensive nature
3 of utilities, their debt management practice would, in the
4 absence of regulation, lend itself more towards a trailing
5 average.

6
7 THE CHAIRMAN: Thanks very much, Michael. Anybody else?
8 Stephen Gray?

9
10 MR STEPHEN GRAY (Frontier Economics): In IPART's last
11 WACC review, the same submissions, the same issues were
12 raised and IPART came down fairly strongly with the view
13 that that 50:50 weighting would be, in IPART's view,
14 representative of the benchmark efficient approach at that
15 time.

16
17 I guess one of the other sort of attractive features
18 of that was the symmetry with what was being done in
19 relation to return on equity. Also the terms of reference
20 and the issues paper indicated that IPART thought that the
21 current approach was working very well in looking at more
22 incremental changes. This would be a very fundamental
23 change. Is that something that is on IPART's radar? Are
24 you looking for more incremental changes around the 50:50
25 approach that you currently have?

26
27 THE CHAIRMAN: Before the last review, back around 2011,
28 the WACC was on the short term only. In the major review
29 then, to which Stephen alludes, we looked at it and we came
30 up with a 50:50 approach. We do think that that works well
31 and it has worked well over the last four or five years.
32 It is predictable. There was a regulatory upgrade from
33 Moody's, for example.

34
35 In terms of the WACC being controversial at the time
36 of price reviews, it is much less of an issue now because
37 the regulated entities know very much where they stand.
38 But that does not mean to say we are not prepared to
39 contemplate large changes. The trailing average issue has
40 come up from time to time, and it has come up again, and we
41 will definitely consider it.

42
43 Basically everything is on the table, but we do think
44 it has worked well, so we would need to look at the
45 arguments and look at the issues that are put forward.

46
47 Would anybody else like to comment? I'll just start

1 to work around the table. Jonathan from ARTC?

2

3 MR JONATHAN TEUBNER (ARTC): From our perspective, whilst
4 I think that the full trailing average approach probably
5 reflects better how you deal with debt, I support what
6 Stephen was saying about the alignment with the cost of
7 equity.

8

9 The other thing that impacts us is the predictability
10 in terms of the return. If you are reassessing your return
11 every year, you have no certainty over the five-year period
12 as to what that return will be, so that will impact on your
13 investment decision. Although it may not be strictly sort
14 of aligned with how you do the funding, I think
15 predictability probably has more weight in that respect.

16

17 THE CHAIRMAN: Thank you. Yolanda from WaterNSW?

18

19 MS YOLANDA CHORA (WaterNSW): The only thing that we would
20 want to add is with the 10-year trailing average approach,
21 we are looking at it with an annual update, therefore, you
22 are getting less of a price adjustment for customers with
23 that approach. Really, we have more in mind the impact on
24 customers, that is why we would be supporting that
25 approach.

26

27 THE CHAIRMAN: Thank you, Yolanda. Lisa, do you want to
28 say something?

29

30 MS LISA WELSH (Sydney Desalination Plant): No, I have
31 nothing further to add to what Justin has said.

32

33 THE CHAIRMAN: PIAC, Thea or Miyuru?

34

35 MR MIYURU EDIRIWEERA (PIAC): Being a New South Wales
36 consumer advocate, we would like any change to the WACC
37 methodology that may be considered, and any discussion of
38 that, to be very much framed around what the impact to
39 consumers would be in terms of what the cost on prices
40 would be and any changes to those - whether it is smaller
41 incremental changes or larger step changes are needed at
42 the end of a regulatory period - and what is actually in
43 the best interests for consumers.

44

45 THE CHAIRMAN: We have been very focused on that as well
46 as other issues.

47

1 MR GRAY: Can I ask a question on that?
2
3 THE CHAIRMAN: Yes, sure, Stephen.
4
5 MR GRAY: Is there a preferred outcome then? Suppose that
6 there is agreement about the trajectory of prices. Is PIAC
7 of the view that it would be better to have five small
8 incremental changes during a regulatory period more so than
9 store up those changes and have a large step change at the
10 end of the period given the sort of NPV of all of that is
11 the same? Is there a preferred choice between those two?
12
13 MR EDIRIWEERA: I am not sure if there is a correct
14 answer, certainly not one that I am aware of at the moment.
15 I think that is definitely an important discussion to have,
16 as to which is actually in the best interest of consumers.
17
18 THE CHAIRMAN: We do take that into account. Leaving
19 aside WACC for a minute, when we are doing a pricing review
20 if there is, say, a large increase based on the evidence,
21 we do often look at phasing that in over time so that it is
22 NPV neutral in order to avoid bill shock.
23
24 MR GRAY: Can I follow up on that?
25
26 THE CHAIRMAN: Yes, go ahead, Stephen.
27
28 MR GRAY: Another case would be where there are two
29 approaches. Suppose there are two approaches that both
30 involve the same average prices to customers over the long
31 run, so the average price is the same over the long run.
32 One approach involves much more stable prices, the other
33 approach has more volatile prices, but they average out to
34 be the same. Would PIAC have a view that the low
35 volatility trajectory would be preferred to the high
36 volatility given that the mean is the same?
37
38 MR EDIRIWEERA: I think the lower volatility would
39 probably be preferable, specifically for vulnerable and
40 low-income households to be able to budget for that.
41
42 THE CHAIRMAN: From the household budget perspective, yes.
43 Yes, Zoran?
44
45 MR ZORAN PEROSKI (Sydney Water): Leading up to the last
46 price determination, we asked our customers this question.
47 They were strongly in favour of bill stability,

1 particularly around the choice of retaining a higher long
2 run marginal cost in their water usage prices.

3
4 We have done a little bit of modelling on the adoption
5 of yearly updates with the cost of debt and the 10-year
6 trailing average and there are some pretty extreme
7 assumptions. We do not see that the impact will be very
8 large - in the range of, in nominal terms, about \$4-\$5 per
9 year on their total bill. We were actually in favour of
10 adopting the yearly update with a 10-year trailing average,
11 but rather than introducing small incremental price
12 increases, which are probably a little bit more difficult
13 to explain to customers, that we move away from this fixed
14 bill stability for customers, and that was in our research
15 leading up to our price determination. We prefer or we
16 believe our customers prefer an NPV neutral true-up leading
17 into the next price determination, where that store or
18 increase is then spread over the remaining period of the
19 determination.

20
21 THE CHAIRMAN: Just to clarify, at least in my mind and
22 possibly for others, the research that Sydney Water did was
23 more to do with variable and fixed costs of a bill. I know
24 it does have an impact on volatility, but this would be a
25 different sort of volatility.

26
27 MR PEROSKI: It would be, but they are not unrelated
28 issues.

29
30 THE CHAIRMAN: No, they are not unrelated.

31
32 MR PEROSKI: I think going into our 2020 submission, there
33 will be more research on that particular question so we
34 will have more ability to be able to answer this.

35
36 THE CHAIRMAN: We look forward to that. We are just
37 recovering from two years of price reviews on water.
38 Thanks very much, Zoran. Mary-Clare from Essential Energy?

39
40 MS MARY-CLARE CROWLEY (Essential Energy): No, I have
41 nothing further to add.

42
43 THE CHAIRMAN: That's fine. Peter from Treasury?

44
45 MR PETER MILLER (NSW Treasury): I would like to reiterate
46 some of the earlier comments. If a regulatory framework
47 drives actions which differ from what would happen in a

1 competitive market of non-regulated businesses, you would
2 have to wonder is this efficient? Is the regulatory tail
3 wagging the dog?

4
5 THE CHAIRMAN: We do wonder about that, which is one
6 reason why we have our benchmarking.

7
8 MR MILLER: With that general principle in mind, the
9 trailing average - a 10-year trailing average - seems to be
10 a preferable approach.

11
12 THE CHAIRMAN: Are there any other comments around the
13 table? Is there anybody from the floor who would like to
14 ask a question or make a comment? Would you like to say
15 anything, Mike?

16
17 MR SMART: No, thank you.

18
19 THE CHAIRMAN: Well, let us move on. There is plenty of
20 time to revisit issues. Let us move on to the next session
21 which is the cost of equity

22
23 MR GRAY: Sorry, just before we do --

24
25 THE CHAIRMAN: Yes, Stephen?

26
27 MR GRAY: I have a sort of framework question about the
28 role of the definition of the "benchmark efficient entity".
29 IPART has, up to this point, suggested that the benchmark
30 efficient entity would adopt a sort of 50:50 debt
31 management approach. There are two debt pools, if you
32 like - a short-term and long-term debt pool - that kind of
33 underpin that. Neither of those debt pools can be managed
34 in a way that, in practice, is exactly consistent with the
35 IPART allowance. So is it IPART's view that the benchmark
36 efficient entity and the benchmark efficient cost of debt
37 should be estimated in a way that reflects an implementable
38 debt strategy?

39
40 THE CHAIRMAN: The short answer to that is yes, but the
41 longer answer, which I think is relevant and which I will
42 now attempt to give, is that IPART's view is very much
43 along the lines of what Peter Miller said, in that in
44 regulating an entity - even a large entity like Sydney
45 Water or Hunter Water and also private ferries, buses,
46 transport and things like that - what we try to do, to the
47 best of our ability, is set a price which is consistent

1 with the sort of price that a firm operating in a
2 competitive market would set.

3
4 There is an alternative model which says that we
5 should regulate according to what a regulated entity would
6 do in a monopolistic market. We are saying that we set a
7 price, and we very much try to set a price which would be
8 the outcome in the hypothetical situation of a firm that is
9 operating in a competitive market.

10
11 From there you move to various issues when you are
12 doing that, and one issue is: what is the weighted average
13 cost of capital? That is where we sort of start. A point
14 that Jonathan made is that is also about what is practical,
15 what is implementable, what is predictable, what reduces
16 administrative complexity and transparent as well. So a
17 number of these factors come in when you come to a final
18 landing.

19
20 MR GRAY: If you take the long-term debt bill, for
21 example, the kind of strategy that underpins that, the
22 allowance for the long term is like there is a trailing
23 average debt strategy, and a business in a competitive
24 market, say, an infrastructure-type business that operates
25 in a workably competitive market implementing that
26 long-term debt strategy would issue debt on a sort of
27 staggered maturity trailing average basis. That would seem
28 to imply with it an annual update of the allowed return on
29 debt. Whether that gets to flow through to prices
30 immediately each year or is stored up is another matter,
31 but that would imply an annual update for prices each year
32 because that would be the cost that would be borne by an
33 efficient firm operating that particular strategy.

34
35 THE CHAIRMAN: Yes, I agree, and that is where issues come
36 in. Then you get to issues such as: how does that do in
37 terms of setting prices for five years, what is the impact
38 on customers, and things like that. So you get to do those
39 sorts of trade-offs.

40
41 MR GRAY: In our submission - I guess we are looking for
42 some guidance - it would be helpful if we could make
43 submissions that reflect the implementability of a
44 strategy, that if for this particular debt pool, the
45 efficient unregulated infrastructure firm would be doing
46 these kinds of things and this would be the cost of debt
47 that they would be bearing if they did that.

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THE CHAIRMAN: Yes, and it would be helpful if people bring to our attention and make submissions on issues which can be implementable, not just for the WACC but also the implication of having a different WACC and what that does to prices and how that is implementable in terms of doing a price review every four or five years.

MR WILLETT: One follow up from me. Stephen, you are suggesting that you can suggest some ways which would then encourage a regulated industry to engage in the competitive finance market more in the way that a competitor would engage in this finance market?

MR GRAY: Yes, yes

MR WILLETT: We would be very interested in that.

MR GRAY: That sort of begs another question, which might be a little more complicated. I get that you want to set an allowance based on an efficient benchmark firm and that definition of "efficient benchmark firm" is a similar kind of firm operating in a workably competitive market. However, it seems to me that you cannot ignore the incentives that the regulatory allowance will place on businesses, that businesses that are under IPART's regulation will, quite rationally, seek to match as best they can the regulatory allowance with their actual cost and --

THE CHAIRMAN: We agree

MR GRAY: So does that then imply that if IPART were considering a change to its return on debt allowance, it would take into account the prudent debt management approaches that businesses have undertaken in response to the incentives created by the current regulatory environment?

MS BRAKEY: Are you suggesting some grandfathering, a transitional arrangement or --

MR GRAY: Yes, some kind of transition to reflect that what a business might have done up to today is entirely prudent, and what we all would have done if we were receiving a regulated set of cash flows under the current approach, and that if there is a change to some new

1 approach and whether there would be some sort of transition
2 in place to --

3
4 THE CHAIRMAN: That's a good point and we would welcome
5 submissions on that. That says that, in the event if we
6 were to make a change to the WACC methodology which was
7 substantial enough that it meant that, going forward, the
8 regulated businesses would be conducting their debt
9 management in a different way, then we would need to think
10 about that transition.

11
12 One thing that comes to mind is that when the tribunal
13 does the next price review for a particular entity, they
14 would take that into account. That is the often the way
15 these things are done.

16
17 That is a good point and those sorts of issues raised
18 in submissions would be very welcome. Basically anything
19 is welcome. We have been honest. We think it works pretty
20 well and that is the feedback we have had. So obviously to
21 make changes, we would like to see substantive arguments
22 and good arguments and we will look at them and try and do
23 our best. That is a good point, Stephen.

24
25 Yes, Anna?

26
27 MS BRAKEY: Stephen, I was wondering would you propose,
28 if we were to move to a trailing average, that that would
29 just replace the 50 per cent long-term estimate and we
30 would still balance off with the 50 per cent short term,
31 or do you propose to replace the long terms and the
32 current?

33
34 MR GRAY: It depends sort of what "incremental" means.
35 The issues paper said that IPART was looking for
36 "incremental" changes. The first approach that you
37 described was putting in the incremental changes. Rather
38 than have a 10-year allowance that was fixed for the whole
39 five-year period, which is not really - well, it's not
40 replicable by a business. It does not match an actual
41 implementable finance strategy, an incremental change for
42 just that 50 per cent debt pool would be to have the
43 10-year trailing average with the annual updates, and that
44 would reflect an approach that is actually implementable.
45 So that would be an incremental change just to that 50 per
46 cent debt pool.

1 MR WILLETT: I would not read too much into the preference
2 for incremental change in terms of things you might suggest
3 we are doing which might not be right. If you think we are
4 totally wrong, I would like to hear that. What that means
5 in terms of what we actually think about it is that it
6 should not change these things drastically at any one point
7 in time. I think that is the second step. I think we
8 would like to see what the first-step approach is first and
9 where you think we could improve our approaches. I want to
10 hear that unconstrained by the notion of --

11

12 MR GRAY: If there was that more fundamental change, so
13 option number two, then that transition issue becomes even
14 more important, because I think it is quite reasonable to
15 say that it is perfectly prudent for a business that had
16 operated under the current IPART allowance to have sought
17 to match that 50 per cent short-term debt in a way that
18 gives the best possible match. That would be a very big
19 change to go into 100 per cent trailing average. A
20 business that had matched that short-term allowance cannot
21 go back 10 years and re-price debt at historical rates
22 anymore, so --

23

24 MR WILLETT: That's right, but it does not mean we do not
25 want to hear it and we do not want to discuss it

26

27 MR GRAY: Yes, I understand.

28

29 THE CHAIRMAN: Good, thank you very much.

30

31 MS BRAKEY: Mr Chairman, could I ask another question?

32

33 THE CHAIRMAN: Yes.

34

35 MS BRAKEY: I notice that nobody addressed the issues
36 under point 3. Does anybody have views on those two
37 proposed changes?

38

39 MR GRAY: Maybe no-one addressed them because they are so
40 obviously correct.

41

42 MS BRAKEY: That's good, thank you.

43

44 THE CHAIRMAN: Is everybody okay to move on to cost of
45 equity? So that will be Mike.

46

47

1 **Session 2: The cost of equity**

2
3 MR SMART: Thank you. To estimate the equity component of
4 WACC, we focus on two measurement issues: First the
5 current market risk premium or MRP; and, second, the
6 appropriate equity beta for the regulated firm.

7
8 Taking the MRP first, we use both long term and short
9 term, or current estimates. The long-term estimate of MRP
10 of 6.5 per cent does not vary from year to year. In
11 contrast, we re-estimate the current MRP for each review.
12 It is difficult to observe the current MRP directly so we
13 employ a variety of inferential approaches under the
14 headings of market indicator approach and dividend discount
15 model approach. We then combine these estimates to derive a
16 final current MRP figure.

17
18 We would like your comments on our current approach,
19 but also on some contemplated changes to it, which I will
20 briefly outline here.

21
22 A potential change to the market indicators approach
23 is to modify the indicators we use. Instead of using
24 separate indicators for dividend yield and risk-free rates,
25 we could use an indicator that is the earnings yield less
26 the risk-free rate.

27
28 Two potential changes to the dividend discount model
29 approach are to, first, synchronise the sampling dates for
30 analyst earnings forecasts and equity prices; and, second,
31 to use analyst share price targets instead of the actual
32 equity prices.

33
34 A potential change to the way these estimates are then
35 combined is to, first, take the median of all the dividend
36 discount model estimates of the MRP - and that is in
37 contrast to what we do now, which is the midpoint of the
38 highest and the lowest - and then obtain the ultimate
39 current MRP by calculating the weighted average of the
40 market indicator estimate and the median dividend discount
41 model estimate.

42
43 Turning next to the equity beta, we would like your
44 comments on our measurement approach. Like many other,
45 regulators, we estimate beta by performing a regression
46 analysis on a group of proxy companies. We choose these
47 proxies based on their risk characteristics. Ideally, they

1 would have similar systematic risks to the regulated firm.
2 However, it is often difficult to find close matches.

3
4 To focus our discussion today, we will concentrate on
5 three questions, although comments are, of course, welcome
6 on any other aspect. The first question is when should we
7 re-estimate beta; the second question, can we improve on
8 proxy company selection; and, third, should we adjust beta
9 for estimation bias? Thank you.

10
11 THE CHAIRMAN: Thanks very much, Mike. Would anybody like
12 to start off on comments on the cost of equity? Sydney
13 Water? Jeff, Zoran, do you have anything?

14
15 MR PEROSKI: I do not have that much to add other than,
16 given the discussion around the cost of debt, there is
17 probably a natural question around the long-term market
18 risk premiums just to maintain the internal consistency of
19 the WACC. That is our primary focus, we would suggest.

20
21 THE CHAIRMAN: Thank you. Tcorp?

22
23 MR REDDICK: I would say with regard to the adjustments -
24 so your third question - we would propose using the Vasicek
25 adjustment. We think it has a little more science around
26 it than the other adjustment.

27
28 If you want to change or estimate beta, we think
29 it probably should be done in advance of a determination,
30 so that all parties know in advance what that will be so
31 there would be no surprises there.

32
33 THE CHAIRMAN: Thank you, Michael. Hunter Water?

34
35 MS JAYNE GRIBBLE (Hunter Water): We are still firming up
36 our views on the market risk premium, but in terms of the
37 equity beta, to mirror what Michael just said, I guess we
38 would ideally like to know the equity beta prior to our
39 price submission planning and price modelling to better
40 inform our financeability assessments and customer impacts
41 to help with adjustments on our modelling going into a
42 pricing submission.

43
44 THE CHAIRMAN: So that would be like about 12 months or
45 15 months before?

46
47 MS GRIBBLE: Yes, we did not have a firm view of whether

1 it could be mid-cycle. I guess mid-cycle for us is not
2 mid-cycle for everyone, so it is a bit hard to have a firm
3 view on when that review should occur, whether there could
4 be a different cycle basis or whether it is in relation to
5 market events. But, yes, it would be nice to know that in
6 advance.

7
8 We also see merit in the Vasicek adjustment as,
9 I guess, a transparent adjustment without subjective
10 judgment.

11
12 THE CHAIRMAN: Thanks very much, Jayne. Stephen, do you
13 want to make a comment on this one?

14
15 MR GRAY: Maybe two quick points. First, I think IPART's
16 approach of pairing the long-run historical risk-free rate,
17 with the long-run historical MRP and then prevailing
18 risk-free rate with the prevailing MRP is like the gold
19 standard of Australian regulation, and that is a comment.

20
21 In terms of beta, one of the things that was raised in
22 the issues paper is how frequently betas might be updated.
23 I think it is probably important to use a wide set of
24 comparator firms and a relatively long history.

25
26 A recent example in WA makes the point. The Western
27 Australian regulator has the approach of using a small set
28 of comparators - only four - for energy businesses, and
29 using only the most recent five years of data. In a
30 previous round of regulatory determinations, it used the
31 four comparators and their five-year history and concluded
32 that the best statistical estimate that came out of that
33 was a beta of 0.5, but then there were a number of reasons
34 extraneous to that evidence that resulted in an uplift to
35 0.7.

36
37 They performed that analysis three years later and found
38 that the best statistical estimate at that time was 0.7 and
39 decided that it had, in fact, been wrong to make any uplift
40 at all. Although it did not change its beta allowance, the
41 statistical evidence had changed very materially, and that
42 is because it was a very small set of comparators and a
43 very short history. There was just like a lot of noise
44 around those beta estimates, so they had to go to
45 extraordinary lengths to sort of contort their reasons as
46 to why the beta allowance was, in fact, going to stay the
47 same.

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I guess the moral of that story is there is really some value in having a decent size set of comparator businesses, even if one has to look offshore, and a relatively long history of data with some kind of stability, because there is just no way that the true systematic risk and the actual returns that investors are requiring are jumping around as much as a small comparator set with a short history might suggest.

THE CHAIRMAN: Thank you very much, Stephen.

MR WILLETT: To follow up on what you just said, Stephen, so do you endorse the approach that looks at those long-term and short-term measures and combines them?

MR GRAY: Yes, absolutely, for the MRP, yes. So beta is independent of that, right? So the same beta number would be plugged into the CAPM equation. We have short term estimates of risk-free rate MRP and long-term estimates of risk-free rate MRP. I think that is entirely sensible. You can see that, over time, IPART's short/short estimate and long/long estimate for required return on equity is actually quite stable. Both of those are quite stable and they kind of crisscross one another over time, and that is entirely plausible.

THE CHAIRMAN: Lisa or Justin?

MR DE LORENZO: I have just a very short comment to add to what has been said. From SDP's point of view, we value stability in the WACC overall, and particularly in this area of cost of equity. In the area of beta in particular, just to probably pick up on something Stephen said, using the correct or a long-run sample and a broad set of comparator firms, we think would bring stability around the beta estimate.

Also I think in terms of any review that IPART would do from time to time on beta, looking at different comparator firms and periods of time, there needs to be a very high threshold or compelling evidence to change the beta estimate --

THE CHAIRMAN: To change the beta?

MR DE LORENZO: Yes, because it does bring stability and

1 predictability and, as an infrastructure owner, we really
2 appreciate that.

3
4 THE CHAIRMAN: Thanks very much, Justin. Anybody else?

5
6 MR TEUBNER: I would like to support what Stephen was
7 saying. Our issue in terms of cost of equity is more
8 around the risk-free rate calculation. That ties back in
9 terms of what you do and how you deal with cost of debt as
10 well. Do you sort of fluctuate cost of debt based on debt
11 risk premium or the fact that the risk-free rate is
12 changing?

13
14 The issue is that we have been regulated by multiple
15 jurisdictions and there can be a strong inconsistency in
16 terms of the view that investors require a stable return
17 from an equity point of view. So a lot of the parameters
18 are assessed on long-term instability and then using the
19 risk-free rate as a market rate, which means you import
20 market volatility straight away. I think IPART's view of
21 having a balance on that is very positive and does reflect
22 the fact that cost of equity is more stable going forward
23 than if you import market volatility into that, which seems
24 at odds with the other parameters.

25
26 One thing that we noted in terms of the issues paper
27 is that the calculations that showed that importing some
28 view of future costs in terms of the future market movement
29 provided a more accurate return estimate - that is, if
30 there was an improvement that you could provide in terms of
31 the risk-free rate, particularly in an equity sense, to
32 import some view of what the future will be over the next
33 couple of years so you have a balance of historical, on the
34 day and future to balance out what that equity view would
35 be. In terms of beta and market risk premium, I think we
36 are comfortable.

37
38 THE CHAIRMAN: Thank you very much, Jonathan. Yolanda?

39
40 MS CHORA: We have not formed a view on the use of the
41 share price target instead of actual targets. From the
42 issues paper, it did not seem that IPART was looking to
43 move that way. My only observation is with analyst reports
44 sort of the issue will become absorbed into the share
45 price, and I think we need a bit more thought on that.

46
47 Then on the beta, yes, we would be looking at - as

1 some of the others have mentioned - a mid-term review, but
2 we would be looking for something with a bit more
3 transparency and consultation.
4
5 THE CHAIRMAN: Thank you very much, Yolanda. PIAC,
6 Miyuru?
7
8 MR EDIRIWEERA: Nothing, thank you.
9
10 THE CHAIRMAN: Mary-Clare?
11
12 MS CROWLEY: No, thank you.
13
14 THE CHAIRMAN: Peter?
15
16 MR MILLER: Just to echo Yolanda's comments, the equity
17 analysts have optimism bias in their analysis and their
18 share price targets - I can say that being a former broking
19 analyst - and I would steer clear of using that as a
20 source. Also, as Yolanda said, that information is in the
21 market and would be reflected to some degree.
22
23 THE CHAIRMAN: To some degree in the price, yes. Okay,
24 thank you, Peter.
25
26 Are there any other questions of comments on the cost
27 of equity and beta? Would anybody from the floor like to
28 ask a question or make a comment?
29
30 MS BRAKEY: Mr Chairman, I wouldn't mind testing out with
31 the audience the other aspects that we have not talked
32 about because we focused mostly on beta.
33
34 THE CHAIRMAN: Sure.
35
36 MS BRAKEY: There are another couple of things up on the
37 screen as well. Did anybody have comments on, for example,
38 our weighting of the dividend discount models and the
39 market indicators?
40
41 THE CHAIRMAN: Sometimes we get things right, Anna.
42
43 There is plenty of time to make comments. What we
44 could do, because we are well ahead of schedule, is move on
45 to session 3 and then, after that, we can have some wrap-up
46 chat.
47

1 For session 3, I call on Melanie Mitchell to introduce
2 issues on WACC measurement and implementation issues.

3
4 **Session 3: Sampling, inflation and other issues**

5
6 MS MITCHELL: Thank you, Dr Boxall.

7
8 This is just a grouping of all the other issues that
9 we raised in our paper that are not debt or equity
10 specific. Starting with the first two issues, the
11 selection of benchmark entity and the sampling dates is
12 something that happens at the beginning of our process.

13
14 We spoke briefly about the benchmark entity in the
15 cost of debt session. Just to refresh you the definition
16 we use is:

17
18 A benchmark firm operating in a competitive
19 market and facing similar risks to the
20 regulated business.

21
22 That is important in guiding our selection of proxy firms
23 to determine the industry specific parameters that we use
24 in the WACC.

25
26 Sample dates refers primarily to our current costs.
27 We currently try and sample as close to the date of the
28 determination as practical, but we are proposing a change
29 to moving to sampling from a common date, which may not
30 necessarily be the latest available data, just to take into
31 account the inter-relationships between particular
32 parameters.

33
34 The third point is about constructing our uncertainty
35 index, so how we go about weighting the current and historic
36 costs to come up with a single estimate. There is more
37 detail about how we construct the uncertainty index in the
38 issues paper, but essentially unless the uncertainty index
39 is one standard deviation away from our long-term average,
40 then we tend to use the midpoint.

41
42 We are proposing to largely maintain that approach.
43 We think that sensitivity is about right. We did ask the
44 question in the paper about whether or not we should
45 provide more guidance about what we would do if the results
46 were more than one standard deviation from the mean.

1 Our treatment of inflation also applies at the end of
2 the process. In order to apply a real post-tax WACC, which
3 is what we do, we need to adjust our nominal parameters.
4 We use, currently, a simple forward-looking forecast based
5 on the geometric average of the RBA one-year-ahead forecast
6 and the midpoint of the target band for two to 10 years. We
7 are largely proposing to maintain that approach. We have
8 proposed a small adjustment to how we calculate that
9 geometric average.

10
11 Lastly, we have the selection of non-market parameter
12 values. As mentioned before, we are proposing to maintain
13 that post-tax WACC, which we think avoids overcompensating
14 firms who may, in practice, pay less than the statutory tax
15 rate.

16
17 Also with gamma - which is not really used in our
18 calculations, because it is post-tax rather than a pre-tax
19 WACC, but it does influence our MRP estimates - we are
20 proposing to maintain a gamma of 0.25, but we are
21 interested in any evidence or arguments that suggest that
22 we should move away from that value. So I'll just open it
23 up to you.

24
25 THE CHAIRMAN: Thank you very much, Mel.

26
27 Any comments or questions? Stephen, would you like to
28 start?

29
30 MR GRAY: Yes, I will make a comment on the uncertainty
31 index, first of all. It might be useful for IPART to
32 provide a couple of examples of what it would have done in
33 some historical cases where there was an excursion out of
34 the uncertainty index outside the one standard deviation.

35
36 For the vast bulk of time it is within, so we know
37 exactly what IPART would do. We know that IPART may do
38 something different if there was an excursion outside of
39 that, but I guess you can never anticipate exactly what the
40 circumstances of an excursion would be, how extreme it
41 would be, and what caused it and so on. I don't think it's
42 something for which you can write down a formula that says
43 "If it goes out by this much, then we change the weights by
44 this much." I don't think that would be appropriate, but
45 perhaps there could be a couple of historical examples
46 where there was an excursion to say, "In these
47 circumstances with that data that was available at the

1 time, this is the kind of thing we would have done."
2

3 It might be that, even in those excursions, IPART
4 would have still maintained a 50:50 weighting. That might
5 be the outcome, but I think it would be useful for
6 stakeholders to know that these are the sorts of things
7 that would have been considered and where we likely would
8 have landed - so picking a couple of historical examples so
9 you have all the data that you would have had. Does that
10 make sense?
11

12 THE CHAIRMAN: It does make sense. Since we have had the
13 new methodology and the uncertainty index, it has never
14 been outside, but when you go back, clearly, the global
15 financial crisis in 2008-9, it was outside.
16

17 Yes, that is a very good suggestion. That is
18 something we have wrestled with. One reason why we came up
19 with the uncertainty index was because we got questions
20 like, "What is going to be the weighting between long and
21 short term?" We said, "Well, it's 50:50." "But when
22 would you deviate from 50:50?" That is when we came up and
23 said, "If it is more than one standard deviation outside."
24

25 Thank you for that. That is very useful. Are there
26 any other comments or questions? Zoran?
27

28 MR PEROSKI: Yes, just on the uncertainty index. The
29 question here also outlines changing the weights and using
30 discretion versus the rule. What would that rule look
31 like? Would the process be consultative and you could
32 potentially take submissions on these discussions,
33 et cetera? What would that process also be? Because
34 obviously setting a rule is kind of contrary to discretion,
35 so you kind of cannot have both.
36

37 THE CHAIRMAN: That sort of gets to Stephen's point as
38 well, doesn't it? At the moment, the rule is that the
39 weights are 50:50 as long as it is within one standard
40 deviation.
41

42 MR PEROSKI: Yes.
43

44 THE CHAIRMAN: Then the issue is what happens if it is
45 outside of one standard deviation? Yes, I think it is very
46 difficult to set a rule, but --
47

1 MR PEROSKI: I agree.
2
3 THE CHAIRMAN: One approach is Stephen's, which I think is
4 a good approach and well worth considering; namely, what
5 would we have done if we had been operating around 2008
6 with the uncertainty index?
7
8 MR PEROSKI: That sounds like to me it is leaning more to
9 a discretion, but --
10
11 THE CHAIRMAN: Again we take submissions on everything.
12 I think probably we would want to leave it to discretion
13 because you just never know what moved it out and what were
14 the circumstances under which it moved outside the mean,
15 and an issue that came up was: is one standard deviation
16 too much?
17
18 MR REDDICK: That is what one of my questions was going to
19 be.
20
21 THE CHAIRMAN: Yes, go ahead.
22
23 MR REDDICK: It basically implies that in one out of every
24 three determinations, you will use the uncertainty index to
25 move in between the long term and short term.
26
27 THE CHAIRMAN: One out of three?
28
29 MR REDDICK: Well, if you are outside of one standard
30 deviation, there is a 30-odd per cent chance that you are
31 outside of one standard deviation.
32
33 THE CHAIRMAN: Okay.
34
35 MR REDDICK: So that would imply that, in one out of every
36 three determinations, you are going to --
37
38 MR SMART: Could I jump in?
39
40 THE CHAIRMAN: Yes, because I am not sure about that. Go
41 ahead, Mike.
42
43 MR SMART: At the moment, we are looking at a historical
44 period to work out what is the standard deviation.
45 Currently what we are doing is when there is more data, we
46 are just adding to the historical records like a moving
47 average.

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Your idea about one in three years, that sort of assumes a moving window. If you go into a period of very stable conditions, then the standard deviation will become very small, if you just had a moving window, but at the moment we are maintaining the starting point. So all of the volatility that we have seen in the global financial crisis is still part of the data set --

MR REDDICK: It is still part of the data.

MR SMART: -- that is more like the value in the standard deviation.

THE CHAIRMAN: To be honest, what had come up was to go the other way, it should be half a per cent.

MR GRAY: I was going to say that the other thing is that the distribution of that index is not necessarily normal. Much of the standard deviation is driven by some large excursions during the GFCs and so on.

MR REDDICK: Sure.

MR GRAY: I think that is the reason that we have not even any excursions since it was implemented, because it is quite heavily skewed.

THE CHAIRMAN: Are there any other comments or discussion? Yolanda?

MS CHORA: I have a question. Could you repeat what the proposal is in relation to the statutory tax rate for small business?

THE CHAIRMAN: Melanie, do you want to answer that, or Mike?

MR SMART: What this is getting at is with the recent changes in the corporate tax rate for small businesses, I guess that got us thinking about some of the smaller businesses that are affected by the prices we set and what tax rate we should use as the statutory rate for those businesses.

Then I guess there is this further question that we have further changes to the thresholds in future and what

1 account do we take of those proposed changes. You know,
2 when is it - when it is being discussed or when it is
3 legislated and --
4
5 THE CHAIRMAN: It is about what is the effective tax rate;
6 if you are in a business where you can write off
7 investments in water, the effective tax rate is 30 per
8 cent, so that got us thinking about that.
9
10 MR DE LORENZO: I was going to ask a question about that.
11
12 THE CHAIRMAN: Yes, go ahead, Justin.
13
14 MR DE LORENZO: Is there any thought from the tribunal
15 about changing the methodology away from the statutory tax
16 rate to some other rate in terms of working out things like
17 the tax allowance and the like?
18
19 MS BRAKEY: Outside the WACC or inside the WACC?
20
21 MR DE LORENZO: Inside the WACC, yes.
22
23 THE CHAIRMAN: Well, I guess that is why we are having
24 this discussion.
25
26 MS BRAKEY: Yes, we are open to your views.
27
28 MR SMART: Maybe as a part of an answer to your question,
29 I think we are, in a sense, sort of separating the question
30 of whether we use a pre-tax or post-tax framework from the
31 question of what is the value of WACC. They are hard to
32 completely disentangle, but I guess we are not wanting to
33 jump into the post-tax versus pre-tax framework question in
34 this review.
35
36 THE CHAIRMAN: In terms of the review of the methodology
37 for the WACC, how you make the tax adjustment is important.
38 We used to have a pre-tax WACC and then make a tax
39 adjustment to move to post tax.
40
41 MR GRAY: So here the question would be at what rate would
42 profits be taxed for this type of business, right? There
43 would be allowed revenues, there would be some costs and
44 then you would subtract tax depreciation to get down to
45 taxable income. Then the question here will be at what
46 rate should that taxable income lie in tax, which would
47 seem to lead to a statutory rate, but whatever is the

1 appropriate statutory rate for that sort of benchmark
2 entity and if it was a small entity, it might be 28 per
3 cent instead of 30.

4
5 THE CHAIRMAN: Yes, you can have a statutory rate but then
6 if you have large write-offs, for example, for investment
7 in water it effectively reduces the rate below the
8 statutory rate.

9
10 MR GRAY: Yes, it depends whether that is already taken
11 into accounts in the regulatory modelling before you
12 get down to the taxable income line in the regulatory
13 model.

14
15 THE CHAIRMAN: Are there any other questions or comments?
16 Jeff?

17
18 MR GRAHAM: Just a bit of a comment on the treatment of
19 inflation. I noticed in your paper you have noted that
20 there is a risk in the current method of overestimating
21 actual inflation. If you look at the market pricing of
22 inflation, there is quite a difference in the break-even
23 inflation and the RBA target. Do you have a view on
24 whether that is a risk or if we stick with the current
25 method, are we looking at this inflation over 20 years or
26 50 years coming back to the RBA target over time? You have
27 deviated away from that target for quite a few years now,
28 on the low side.

29
30 THE CHAIRMAN: Yes, at the moment, there is a risk of
31 overestimate. It is possible in the future that there is a
32 risk of underestimate. This is something that we have
33 spent quite a bit of time on and the issue was - so we are
34 doing it over 10 years, so it was relatively easy to come
35 to a landing that the inflation rate for the last 8 years
36 of the 10 years should be at the RBA target. It was
37 relatively easy to come to a landing that the first year,
38 year 1, should be what the RBA announces, because that is
39 the inflation target. The issue which was most vexed was
40 year 2, about whether we should just use the RBA's 2.5 per
41 cent target or whether we should look to some other
42 forecast, which is more sort of market-based, or even from
43 the RBA, I think.

44
45 MS BRAKEY: The RBA does have a two-year forecast as well.

46
47 THE CHAIRMAN: They do have a two-year forecast. After

1 consulting, including with the RBA, the feeling was that it
2 was best to take the one-year forecast and then use the
3 target for the next nine years.
4

5 There was another point which Mel mentioned, which is
6 the geometric average, but will leave that aside for a
7 minute. It was not an easy decision, but that is where we
8 came down.
9

10 Yes, Jonathan?
11

12 MR TEUBNER: I just wanted to say that the importance of
13 inflation ties back to what you have for the risk-free
14 rate. If you import the on-the-day risk-free rate, then
15 the inflation should incorporate what is expected within
16 that risk-free rate. If you do not to do that, you can get
17 some weird results.
18

19 Speaking from experience, we had a review by the ACCC
20 where they used the 20-day moving average risk-free rate,
21 and that was 2.1, and an inflation rate on a similar basis
22 that was 2.4. So it was a negative real interest rate
23 despite the fact that the market was trading positive.
24 Provided that you align the risk-free rate on a similar
25 methodology with what you are using for inflation, then
26 I don't think it is that important. However, if you have
27 one particular methodology for the risk-free rate and a
28 completely different methodology for inflation, then you
29 would get skewed answers and that is not sustainable.
30

31 MR REDDICK: Another issue there is when you are looking
32 at the long-term averages, if you are looking at nominal
33 rates 10 years ago and you are deflating those off of
34 expectations today, that is not consistent with what the
35 real cost of debt would have been 10 years ago.
36

37 THE CHAIRMAN: No, the relevant cost then was what the
38 expected inflation was 10 years ago.
39

40 MR REDDICK: If you were borrowing real debt then, you
41 could have achieved that real rate back then, which does
42 not have anything do with what the inflation is today or
43 the expectation of inflation today.
44

45 THE CHAIRMAN: Thank you. Are there any other questions
46 or comments. Hunter?
47

1 MS GRIBBLE: No, nothing further to add. I guess we were
2 interested in looking at the break-even versus the forecast
3 in terms of internal consistency of WACC parameters, but
4 nothing further to add, thank you.
5
6 THE CHAIRMAN: Okay, thanks, Jayne. PIAC?
7
8 MR EDIRIWEERA: No, thank you.
9
10 THE CHAIRMAN: Peter?
11
12 MR MILLER: Nothing to add.
13
14 THE CHAIRMAN: Mary-Clare?
15
16 MS CROWLEY: No.
17
18 THE CHAIRMAN: Anybody from the audience? No. Mike?
19
20 MR SMART: Nobody has commented on gamma. I thought it
21 would be useful to specifically ask if anybody has any
22 views about gamma and whether we should modify the value
23 that we will be adopting.
24
25 MR TEUBNER: I can say from a regulator firm, your gamma
26 is great. It doesn't get appealed.
27
28 THE CHAIRMAN: Anna, do you want to raise anything?
29
30 MS BRAKEY: No, thank you.
31
32 THE CHAIRMAN: Are there any other questions or comments?
33
34 How do people feel about submissions by this Friday?
35 Do you think that it would be worth extending it for a week
36 to the 25th?
37
38 MR PEROSKI: I think Friday would suit us.
39
40 THE CHAIRMAN: It would still work?
41
42 MR DE LORENZO: We are okay with Friday.
43
44 THE CHAIRMAN: Are other people okay? Are you okay with
45 Friday, Stephen?
46
47 MR GRAY: I am okay with Friday.

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CLOSING REMARKS

THE CHAIRMAN: All right, thank you very much for coming and thank you for your comments and the questions. It has been very helpful.

We will stick with Friday, 18 August for submissions. I encourage you to make your submissions and include any information you might have to support what has been put forward today.

We will have a transcript of the hearing available on our website in a few days time. We will, of course, consider all the feedback we have received both today and in your submissions before we release our draft report for further comment in October, so you will all get another chance.

Thank you all very much and have a great afternoon.

AT 11.13AM, THE TRIBUNAL WAS ADJOURNED ACCORDINGLY