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INDEPENDENT PRICING AND REGULATORY TRIBUNAL

PUBLIC HEARING
REVIEW OF ACCESS ARRANGEMENT
AGL GAS NETWORKS

Tribunal Members

Professor Parry - Chairman
Mr Jim Cox

Held at Meeting Room 1, Level 2
44 Market Street, Sydney, NSW, 2000

31 March 1999 at 10am

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70	PIAC/NCOSS (Mr S Rix, Ms T Benson, Ms K Lee)
82	FORCENERGY (AUSTRALIA) LTD (Mr G Gill)

1 THE CHAIRMAN: For the record, it is Wednesday
2 31 March, and the Tribunal commences two days of
3 hearings into AGL Gas Networks revised access
4 arrangements for access to the distribution
5 networks of AGLGN.

6
7 Let me say a few things at the outset,
8 because there are some issues that need to be
9 understood by participants in this process.
10 Firstly, as I'm sure many people are aware, there
11 are processes under the gas code - perhaps
12 slightly cumbersome processes - which the
13 Tribunal is bound to follow with respect to a
14 number of things. One of those is with respect
15 to the information requirements of the access
16 information arrangements, which in this case have
17 been put forward by AGL Gas Networks.

18
19 The Tribunal has considered the information
20 that has been provided to date. It has issued a
21 section 2.9 notice for further disclosure to
22 stakeholders under the provisions of the code.
23 When that information is provided to the
24 Tribunal, of course it will be made public as per
25 the provisions of section 2.9.

26
27 The Tribunal is also able to obtain further
28 information for its own purposes of investigation
29 and analysis, which it does under section 41, and
30 that process has in fact taken place.

31
32 Some people have been concerned that,
33 because of their view that there is no
34 information that meets the requirements of the
35 code to enable them to undertake their analysis
36 and derivation of prices as proposed by the
37 applicant, that may disadvantage them in terms of
38 their participation in the process. I believe
39 that the secretariat has assured people, and let me
40 assure you on behalf of the Tribunal, that the
41 process does not conclude today in terms of
42 public participation. Whether there is a need
43 for further public hearings is something that the
44 Tribunal will decide, but certainly there is
45 ample scope for further submissions.

46
47 There will be opportunities for further
48 public processes, whether they be by way of
49 forums or workshops or public hearings. That was
50 pursued in the case of Victorian gas arrangements
51 and will be pursued in the case of these
52 proceedings. So, as further information is made
53 available publicly, pursuant to the section 2.9
54 notice procedures, there will be further
55 opportunities for public participation through to
56 the decision-making time frame of the Tribunal.
57 So these two days of public hearings are the
58 continuation of the start, not the end, of the

1 process.

2
3 The timetable, as I'm sure many people
4 realise, is most unlikely to mean that there will
5 be a new access arrangement in place from 1 July
6 1999. I think that is physically impossible. We
7 are taking advice on options for what might
8 happen at the expiry of the current undertaking.
9 That clearly is an issue which does require
10 interpretation of the code requirements, and
11 indeed is a matter that AGL Gas Networks itself
12 will have some views on.

13
14 Once we have some firm guidance and a view
15 of that, we will be providing a public
16 announcement about what might happen on expiry of
17 the current determination which will take place
18 before the commencement of the new undertaking
19 given the processes that do need to be taken into
20 account.

21
22 I should also add an apology from Christina
23 Cifuentes, the third member of the Tribunal for
24 the gas matter. Christina had a baby a few weeks
25 ago and is not able yet to resume public duties.

26
27 We have before us the revised access
28 arrangements proposed by AGL with information.
29 Clearly the Tribunal, in issuing the 2.9 notice,
30 has formed the view that there is a requirement
31 for further information to be made available
32 publicly to assist in this process. There are
33 many complex issues involved in the Tribunal
34 assessing the proposed access arrangement and
35 forming a view as to whether to accept, to
36 reject, or to seek amendments to the revised
37 undertaking.

38
39 This is the first consideration of an access
40 arrangement proposed by AGL Gas Networks fully
41 under the national code and the national law and,
42 as such, is a de novo process. We will open up
43 all of the issues that have been at least touched
44 upon in our prior consideration of what is now
45 the existing access arrangements for AGL Gas
46 Networks. That goes to asset valuation issues,
47 capital contribution issues, questions of cross-
48 subsidy, over-recovery, under-recovery, and cost
49 allocations, pricing structures, terms and
50 conditions. We welcome and thank the many
51 participants who have already put in material to
52 us, and I'm sure will continue to put in material
53 to us to assist us in our task.

54
55 It probably does not need to be said, but I
56 will say it anyway, that the Tribunal will
57 consider AGL's revised access arrangement, taking
58 full consideration of and meeting the

1 requirements and obligations of the code and the
2 legislation. That is a requirement on us, and
3 that is, again, probably not needing to be stated
4 but I will state it anyway, what we will
5 endeavour to do.

6
7 As I think has been clear from the
8 arrangements that have been reviewed both by this
9 tribunal and other regulators there is a degree
10 of judgment and discretion required under the
11 code, and it is in the exercise of that judgment
12 and discretion that the Tribunal looks to the
13 involvement and assistance of various
14 stakeholders.

15
16 With that preamble, we have with us starting
17 off AGL Gas Networks, and then we will hear from
18 various other parties through today and
19 tomorrow. I will repeat that these two days do
20 not conclude the public process, nor the
21 opportunity for stakeholders, nor indeed the
22 proponent, to provide further information,
23 importantly including the proponent to provide
24 further information, so that all of us can
25 understand, and ultimately the Tribunal, can form
26 a view about the proposed arrangements before
27 us. I will ask the representatives of the AGL
28 Gas Networks to identify themselves for the
29 record, and then proceed with a presentation and
30 some questions, but given the obviously enormous
31 amount of material within their application, we
32 can really only at this stage in the public
33 process deal with some of the issues that at this
34 point in time are addressing our minds.

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1
2 AGL GAS NETWORKS
3

4 MR CHRIS HARVEY: My name is Chris Harvey. I am
5 manager, regulatory affairs, Gas Networks, for
6 AGL. Sitting beside me in Bruce Connery,
7 manager, regulatory affairs. We will be
8 addressing the proposal together. Members of the
9 Tribunal, Dr Parry, Mr Cox, ladies and gentlemen,
10 thank you for this opportunity to make this
11 presentation.

12
13 It is our aim this morning to present the
14 highlights of the AGL Gas Networks access
15 arrangements and access arrangements
16 information. In doing so, I will address the
17 services offered in the access arrangement, the
18 derivation of the reference tariffs for those
19 services, and the key elements in deriving the
20 level of the reference tariffs.

21
22 Firstly, it is important to consider the
23 access arrangement in the context of the scheme
24 of the code, and the reasons for the introduction
25 for the third party access. The intent behind
26 third party access to monopoly infrastructure is
27 that open and transparent conditions of access
28 will create a level playing field between users
29 of the services. This, in turn, will provide the
30 conditions for downstream competition to
31 develop.

32
33 In the case of the gas market, access to the
34 distribution network is only one of the
35 components necessary for the development of
36 competition. Other key components are upstream
37 competition and access to transport from the
38 producers to the city gate.

39
40 In this context, the purpose of an access
41 arrangement under the code is to present a
42 statement of the services offered to third
43 parties - usually major consumers or suppliers -
44 by the service provider to establish reasonable
45 terms and conditions for access, and to establish
46 prices for those services which are determined in
47 accordance with the reference tariff principles
48 described in the code.

49
50 A service provider has not failed to comply
51 with his obligations if, notwithstanding the
52 establishment of an access arrangement,
53 competition does not develop and users' gas
54 prices do not fall.

55
56 Under the code, the initiative in preparing
57 an access arrangement and access arrangement
58 information rests with the service provider.

1 There is no right or wrong way of writing an
2 access arrangement, including determining
3 services or tariffs. The code requires the
4 service provider to include certain matters in
5 the access arrangement, but the scheme of the
6 code is that the service provider is entitled to
7 decide the actual content of the policies, other
8 than for the mandatory requirements of the
9 trading policy. If the service provider includes
10 the policies required by the code, it will have
11 complied, even where there are other approaches
12 which some users might prefer.

13
14 The code requires an access arrangement to
15 include a policy describing the services offered to
16 users; at least one service where a reference
17 tariff applies (that is a reference service); and
18 policies in relation to trading, queuing, and
19 extensions and expansions. An access arrangement
20 must also include the terms and conditions on
21 which the reference services will be supplied, a
22 capacity management policy and revisions
23 submission and commencement dates.

24
25 The code sets out the objectives which the
26 regulator must take into account in assessing a
27 proposed access arrangement, and those which the
28 reference tariffs and the reference tariff
29 policies should be designed to achieve.

30
31 The overarching requirement of the reference
32 tariff principles is that reference tariffs
33 should be based on the efficient cost of
34 providing the services. Subject to this, the
35 national code states that the reference tariff
36 principles are designed to provide a high degree
37 of flexibility, so that the reference tariff
38 policy can be designed to meet the specific needs
39 of each pipeline system.

40
41 AGL Gas Networks - which for ease I will
42 refer to as Gas Networks - believes that its
43 access arrangement meets the requirement of the
44 code. There are a number of services offered
45 which are likely to be sought by a significant
46 part of the market. The services are offered as
47 reference services so that users know the tariff
48 which will apply to the service. The other
49 policies required by the code, including queuing,
50 trading, and expansions and extensions, have been
51 included.

52
53 Finally, the reference tariffs and policy
54 have been determined in accordance with the
55 reference tariff principles in the code. In
56 particular:

57
58 . The proposed initial capital base is

1 between DORC and DAC, which the code
2 recognises as the usual range for an initial
3 capital base;

4
5 . The capital base is reduced to reflect
6 assets which cease to contribute, or which
7 make a reduced contribution, to the delivery
8 of services;

9
10 . Only capital expenditure which satisfied
11 the requirements of the code for new
12 facilities investment has been included;

13
14 . The proposed rate of return of 8 per cent
15 recognises recent regulatory decisions and
16 is commensurate with the prevailing
17 conditions in the market for funds and the
18 risks faced by Gas Networks in delivering
19 the reference services;

20
21 . The reference tariffs are designed to
22 recover the efficient costs of providing the
23 services.

24
25 . The reference tariffs are further designed
26 so that, to the extent commercially and
27 technically reasonable, users will pay
28 charges reflecting the cost of Gas Networks
29 of providing the service.

30
31 . Prudent discounts have been factored in
32 where, as a result of providing the service
33 at the discounted tariff, all users of the
34 network benefit; and

35
36 . Gas Networks has adopted an incentive
37 mechanism designed to encourage efficiency
38 and growth in the market, by permitting Gas
39 Networks to earn a greater or less profits
40 than anticipated if it outperforms or
41 underperforms the benchmarks adopted in
42 setting the reference tariffs.

43
44 Turning now to the services offered in the
45 access arrangement, Gas Networks received many
46 informal comments and requests and formally
47 sought public comment on the services offered in
48 the 1997 undertaking.

49
50 The services in this access arrangement seek
51 to meet customer needs while recognising
52 interests of the customer base as a whole, and
53 maintaining cost reflectivity.

54
55 Under the 1997 undertaking, Gas Networks
56 offered two main reference tariff services - the
57 transportation service and the tradable capacity
58 service. The transportation service has been

1 replaced by three reference tariff services in
2 this access arrangement - the capacity
3 reservation service, the managed capacity
4 service, and the throughput service - and a
5 tariff service is also offered. The multiple
6 delivery point service remains.

7

8 Turning to the overhead, capacity
9 reservation managed capacity and throughput
10 services are available at delivery points taking
11 greater than 10TJ per annum, and working across
12 to the capacity reservation service. The
13 capacity reservation service is predominantly the
14 same as the transportation service in the 1997
15 undertaking with some modifications to address
16 users' request for greater flexibility.

17

18 The user specifies an MDQ and MHQ which
19 fairly reflects their requirements.

20

21 To assist customers with no daily metering
22 history or installing new equipment, the capacity
23 reservation service allows an increase in MDQ
24 during the first three months of the term.

25

26 Additional capacity can be obtained either
27 retrospectively to the beginning of the contract
28 period or by extending the initial term to
29 12 months from the date the additional capacity
30 is required. This provides flexible and reduces
31 the risk of incurring overruns for all customers.
32 Overrun charges are payable as an incentive to
33 book an appropriate MDQ.

34

35 The term has been modified to be a minimum
36 of 1 year and a maximum of two years with the
37 actual term between these parameters decided by
38 the user. The choice of term provides retailers
39 and customers flexibility in aligning contract
40 terms with other parties or to specific
41 activities.

42

43 In regard to managed capacity service, this
44 has been introduced to assist customers who are
45 weather dependent or who have unpredictable
46 production patterns or who are anticipating
47 growth. Customers in this position found it
48 difficult to manage natural gas usage under the
49 original transportation service, but this managed
50 capacity service provides flexible to change
51 usage patterns without incurring additional
52 costs.

53

54 The managed capacity service is available
55 where the MDQ booking is equal to or greater than
56 the maximum quantity used on any day in the
57 previous year. The user must have 12 months
58 history of daily metering to take this service.

1

2 There are no overrun charges. The term is
3 one year.

4

5 The managed capacity service provides
6 certainty for retailers with respect to
7 distribution changes. Retailers may be able to
8 use this service to offer flexible arrangements
9 to customers, which may not be based on MDQ at
10 all.

11

12 Looking at the throughput service, to assist
13 customers whose gas consumption is declining,
14 have an uncertain future, or are willing to pay a
15 small premium for the flexibility of a tariff
16 price, Gas Networks has introduced the throughput
17 service.

18

19 This service has no overrun charges, and the
20 price is fixed regardless of the load factor or
21 actual MDQ and MHQ bookings.

22

23 There is a minimum bill based on the 10TJ
24 consumption for the year.

25

26 The tariff service has been included in this
27 access arrangement as customers in this market
28 will be contestable during the access arrangement
29 period. The MDQ nomination requirements are
30 required for tariff customers using greater than
31 6 cubic metres per hour.

32

33 The multiple delivery point service which
34 continues is available to users with more than
35 one delivery point. This is a contractual tool
36 to simplify the number of contracts required by a
37 retailer.

38

39 The second service offered under the 1997
40 undertaking was the tradable capacity service.
41 Gas Networks is not offering a service as a
42 reference service under this access arrangement.
43 Capacity in a diverse network is such that usage
44 of one location in a network has no relationship
45 with usage at another location. Unlike
46 transmission pipelines, capacity trading is not
47 generally sensible in a network.

48

49 However, capacity trading is available under
50 this access arrangement as a negotiated service
51 where it is technically and commercially
52 feasible. For those users who saw the tradable
53 capacity service as a means of reducing the risks
54 of overruns, the managed capacity service is a
55 more appropriate and cost reflective means of
56 addressing this issue.

57

58 The next major issue to be addressed is the

1 derivation of reference tariffs. Tariff
2 structures in the access arrangement have been
3 changed to reflect the introduction of postcode
4 based pricing for contract customers in place of
5 the previous "follow the molecules" approach, and
6 also the introduction of the tariff service.
7
8 We looked first at post code pricing. The
9 local network pricing for contract customers
10 downstream of Wilton has been determined on the
11 basis of postcodes. This provides greater price
12 transparency and ease of administration while
13 maintaining reasonable cost reflectivity and
14 minimising bypass exposure.
15
16 In country areas, local network pricing for
17 contract customers is determined by using a
18 distance based formula, with an economy of scale
19 adjustment based on MDQ. Due to the geography of
20 these areas, the methodology is more cost
21 reflective than post code pricing while achieving
22 price transparency.
23
24 In relation to the pricing structure for
25 tariff users, the proposed structure in the
26 access arrangement documents has been designed to
27 achieve the following:
28
29 . To replace the current multiple tariff
30 structure with a single structure. This
31 overcomes the risk that tariff customers may
32 have been on an incorrect tariff;
33
34 . To minimise price movements to individual
35 segments. This was achieved by following
36 the path of existing tariff curves as far as
37 possible;
38
39 . To maintain the competitive position of
40 natural gas with alternative fuels; and
41
42 . To maintain appropriate relativities
43 between the tariff and contract customers.
44
45 Having explained these changes in tariffs
46 and the access arrangement, we need to then
47 understand the derivation of the tariffs. The
48 tariffs in the access arrangement were determined
49 on the basis that tariffs paid by contract
50 customers would fall to recover the stand-alone
51 cost of serving them, equal to \$70m. Of the \$70m
52 \$43m relates to recovery of capital related
53 expenses - depreciation and cost of capital - and
54 \$27m to the recovery of operating costs.
55
56 The revised access arrangement information
57 describes conceptually how these costs are
58 allocated to arrive at reference tariffs. The

1 conceptual model is depicted in the overhead on
2 display.
3
4 Capital related expenses are allocated using
5 stand-alone ORC. Firstly, to assets - three
6 groups: Meters, trunk and local network - then,
7 for the trunk and the local network, to regions.
8 They are denoted as S for Sydney, N for
9 Newcastle, W for Wollongong and C for country.
10 And we have sought to describe the situation for
11 Sydney to simplify it, so that is replicated for
12 each of the other regions.
13
14 Meter reading operating expenses are added
15 to the allocation of capital related expenses to
16 meter reading, to arrive at the total revenue to
17 be recovered from meter reading devices, and this
18 charge is expressed as \$ per meter reading device
19 charge.
20
21 Moving on to the operating expenses, these
22 are allocated to each region using the region's
23 share of the total operating costs. It should be
24 noted that these are the operating costs
25 allocators relate to operating costs for the
26 whole network business, not just the operating
27 costs associated with serving contract
28 customers. The region's share of operating costs
29 is then allocated to asset groups on the basis of
30 assignment when a direct relationship occurs, or
31 on the basis of ORC where there is no direct
32 relationship with the costs.
33
34 The amounts of capital related expenses and
35 operating expenses allocated to each trunk region
36 are then summed. So that is where we pick up the
37 trunk for the capital related and trunk for the
38 operating; they are combined together. They
39 determine the total amounts to be recovered in
40 regional trunk charges. These amounts are then
41 divided by forecasts for MDQ for each trunk
42 section to derive the trunk charge expressed in
43 terms of \$/GJ of MDQ.
44
45 Similarly, the amounts of capital and
46 operating expenses allocated to each local
47 network are summed to determine the total amounts
48 to be recovered for each local network - denoted
49 again by LN. So the capital related expenses are
50 combined with the operating expenses and joined
51 at that point. These amounts are allocated to
52 post codes within the local networks on the basis
53 of the share of assets utilised by the load
54 delivered within the post code. These amounts
55 are then divided by forecasts of MDQ within the
56 post code to determine the local network charged
57 for each post code. These charges are expressed
58 again in terms of \$/GJ of MDQ.

1
2 In relation to country tariffs, the recovery
3 of costs allocated to the country region
4 receiving trunk receiving stations, TRSs, and the
5 country local networks is different for that
6 described for the coastal regions - Sydney
7 Wollongong and Newcastle.
8
9 A customer's share of TRS costs is designed
10 to reflect economies of scale rather than a flat
11 charge per GJ of MDQ. The charge for the TRS is
12 based on a block structure - MDQ.
13
14 Country network charges are related not to
15 post codes, but based on distance from the trunk
16 receiving station. Economies of scale are
17 recognised by the adoption of block charges per
18 GJ of MDQ per kilometre.
19
20 Network tariffs for tariffs users are
21 currently common across the state. The
22 maintenance of a single state wide postage stamp
23 is required. Currently there are a number of
24 separate tariffs for household use and business
25 tariff use. The proposal in the access
26 arrangements is to combine these into a single
27 block tariff. The resultant overhead average
28 price for various levels of consumption is shown
29 on these two slides. This picks up the whole
30 range, and the next line shows the range for
31 residential size customers.
32
33 The last matter to be addressed is key
34 elements in deriving the level of reference
35 tariffs - the initial capital base, rate of
36 return and operating costs. The first key
37 element in deriving the level of reference
38 tariffs is the initial capital base. In its
39 determination on the 1997 undertaking, the
40 Tribunal did not materially modify the initial
41 capital base it proposed in September 1996, but
42 indicated that it intended to redetermine the
43 figure at the next review.
44
45 The September 1996 amount of \$1200m,
46 expressed in terms of fund employed, was modified
47 to \$1.185m to reflect a small amount of asset
48 stranding. Transitional provisions in the NSW
49 code applicable to this review expressly provide
50 for a redetermination of the initial capital
51 base. In this line, Gas Networks has in the
52 access arrangement proposed a value for the ICB
53 as at 1 July 1996, and has deducted depreciation
54 and added new facilities investment over the
55 period from 1 July 1996 to 1 July 1999 to
56 determine the capital base as at 1 July 1999.
57
58 The code states that ICB for a covered

1 pipeline that was in existence at the
2 commencement of the code normally should not fall
3 outside the range of the value that would result
4 from taking the actual cost of the covered
5 pipeline and subtracting the accumulated
6 depreciation for assets charged to users (that is
7 the DAC) and the value that would apply from
8 applying the depreciated optimised replacement
9 cost methodology in valuing the covered pipeline
10 (that is the DORC).
11
12 The code also lists a number of
13 non-exhaustive matters which must be considered
14 in establishing the initial capital base. These
15 factors are designed to assist in the
16 determination of where the ICB should fall within
17 the range of DAC and DORC.
18
19 In its final determination in July 1997, the
20 Tribunal referred to a number of additional
21 matters which it would take into account in this
22 determination of ICB, including:
23
24 . The profitability of the tariff sector,
25 tariff sector growth, competitive pressure
26 on tariff prices;
27
28 . Market pressures on contract prices;
29
30 . Regulatory pressure on contract prices;
31
32 . Retail costs and margins in network
33 costs;
34
35 . Revenues collected during the
36 transitional period; and
37
38 . Costs savings identified by Greenwood
39 Challoner.
40
41 This Tribunal is entitled to consider these
42 additional matters under the code.
43
44 In its revised access arrangement
45 information, Gas Networks pointed to an error in
46 the cash flow that was relied upon to arrive at
47 the ICB of \$1185m in the Tribunal's final
48 determination. The error had the effect of
49 reducing the NPV of the sustainable revenue
50 stream by \$300m. When this error is corrected,
51 the NPV, and thus the ICB, rises to \$1485m.
52 There is no reason for the Tribunal to give way
53 to its earlier position on valuation. The
54 valuation for this access arrangement is to be a
55 redetermination, not an adjustment.
56 Nevertheless, if the Tribunal's earlier position
57 is taken, consciously or unconsciously, as some
58 reference point, then that point should be read

1 as \$1500m not as \$1200m.

2
3 Gas Networks has commenced on each of the
4 factors that the Tribunal must consider under the
5 code in establishing the initial capital base,
6 and on each of the matters the Tribunal said it
7 would take into account in its 1997 final
8 determination, in addition Gas Networks has
9 carried out the forms of analyses that
10 regulators, especially the Tribunal, have
11 employed to help quantify the effects of the
12 factors considered in establishing the initial
13 capital base.

14
15 The ORC was calculated using unit rates
16 employed J P Kenny, the consultant commissioned
17 by the Tribunal in the 1997 process. DORC was
18 calculated from ORC by applying the percentage of
19 remaining economic life to each class of asset.
20 Economic lives were determined having regard for
21 similar lives employed in the derivation of DORCs
22 by the ACCC, the Office of the Regulator General,
23 and the Tribunal under the code. The 1 July 1996
24 DORC for the NSW is calculated to be \$1831m
25 (expressed as funds employed).

26
27 DAC was taken to be from the statutory
28 accounts (adjusted to bring Goldline on balance
29 sheet). DAC as at 1 July 1996 was \$789m
30 (expressed again as funds employed).

31
32 Gas Networks has carried out analysis to
33 assess the depreciation of the network, and the
34 historical returns to the service provider.
35 While the analysis is not conclusive, it does
36 suggest that the regulatory constraints existing
37 under prior regimes on depreciation, and on
38 profit, have led to an under-recovery of both.

39
40 With respect to the code requirement that
41 "other well recognised asset valuation
42 methodologies" should be given consideration in
43 determining the ICB, Gas Networks has carried out
44 on ODV analysis.

45
46 ODV is a well recognised asset valuation
47 methodology. As set out in the Tribunal's final
48 decision on the access arrangement for Great
49 Southern Networks, deprival value is adopted as
50 the appropriate current value basis for asset
51 valuation by the Steering Committee on National
52 Performance Monitoring of Government Trading
53 Enterprises. It was also adopted by the NSW
54 electricity industry and the NSW treasury in 1996
55 as the asset valuation methodology for financial
56 reporting. The New Zealand electricity has
57 adopted the approach, and the National
58 Electricity Code identifies the deprival value as

1 the preferred approach to valuing assets.

2
3 Gas Networks has modelled its approach to
4 ODV analysis. The ODV resulting from
5 consideration of this stream and DORC is \$1831m,
6 equal to the DORC.

7
8 Gas Networks has carried out a further
9 refinement of the ODV analysis. In this
10 analysis, the revenue stream reflects a gradual
11 movement to subsidy-free prices, to minimise
12 price shocks. The NPV of this revenue stream is
13 \$1733m, equal to 95 per cent of DORC.

14
15 Gas Networks has proposed that the ICB at 1
16 July 1996 be determined as \$1733m (expressed in
17 terms of funds employed).

18
19 In its 1997 final determination, the
20 Tribunal indicated that it would crosscheck the
21 asset valuation based on sustainable revenue
22 stream against other benchmarks of asset values.
23 The overhead shows the ICB proposed by Gas
24 Networks based on the sustainable revenue stream
25 against such benchmarks.

26
27 The second key element in deriving the level
28 of the reference tariffs is the rate of return.
29 In October 1977 the Office of the Regulator
30 General and the ACCC determined that 7.75 per
31 cent was a reasonable real pre-tax WACC for gas
32 industry infrastructure in Wagga Wagga.

33
34 Those decisions were reached following
35 significant public debate on the approach and
36 variables to be used. Gas Networks believes that
37 in the near future any regulatory application of
38 the WACC approach to calculating a rate of return
39 for utility infrastructure is unlikely to
40 substantially deviate from the application used
41 in these decision processes. These outcomes are
42 a starting point from which a rate of return for
43 Gas Networks' infrastructure can be reasonably
44 determined.

45
46 In using these outcomes as a starting point,
47 it should be noted that a risks in Gas Networks'
48 market are greater, due to a lower level of
49 maturity in the NSW market, and the greater
50 concentration of usage in the larger end of the
51 market, with several of the largest users
52 accounting for a substantial proportion of total
53 usage.

54
55 Gas Networks believes that when setting a
56 reasonable rate of return, regulators should use
57 WACC calculations as a guide to identify a range
58 in which a reasonable rate of return is expected

1 to lie. The selection of a final rate of return
 2 then relies on consideration of other relevant
 3 factors and the exercise of regulatory judgment.
 4
 5 Gas Networks has based its WACC calculations
 6 on parameters which provide a nominal cost of
 7 debt in a range of 6 per cent to 7.25 per cent,
 8 and a nominal cost of equity in the range of
 9 12 per cent to 16 per cent.
 10
 11 Gas Networks believes that any rate of
 12 return consideration should take asymmetric and
 13 self-insured risks into account. These risks are
 14 not readily accounted for in the WACC approach.
 15 Nevertheless, these risks are real and have been
 16 incorporated into the upper end of the nominal
 17 cost of equity range.
 18
 19 Using WACC calculations as a guide, combined
 20 with commercial judgment and relevant benchmark
 21 rates of return, Gas Networks has adopted a cost
 22 of capital of 8 per cent pre-tax real as being
 23 consistent with the provisions of the code.
 24
 25 The third key element in deriving the level
 26 of reference tariffs is operating costs. The Gas
 27 Networks has compared the level of its operating
 28 costs with a group of Australian organisations
 29 for which recent information has been made
 30 available, mainly to access arrangement
 31 information.
 32
 33 There are two problems identified in making
 34 these comparisons, one being the difficulty of
 35 comparing like data, and the other being the
 36 effect of the operating environment. The
 37 difficulties in making comparisons of data, the
 38 issue of comparing apples and oranges is
 39 highlighted in two examples which significantly
 40 affect the perception of Gas Networks' relative
 41 efficiency.
 42
 43 Firstly, it has only just come to our
 44 attention that certain categories of cost borne
 45 by Gas Networks are not included in the Victorian
 46 costs, including government levies, meter reading
 47 and call-centre related costs. Clearly, the
 48 operating cost comparisons between Gas Networks
 49 and the Victorian gas distributors are not on an
 50 apples for apples basis.
 51
 52 Secondly, in the Tribunal's draft decision
 53 on GSN, it noted that the only costs that are
 54 incremental to the basic electricity business are
 55 allocated to the gas network business. Here
 56 again we are comparing apples and oranges. Both
 57 examples leave the matter of relative efficiency
 58 uncertain.

1
 2 The difficulties of comparing organisations
 3 facing differences in the operating environment
 4 which impact upon the level of costs a network
 5 can reasonably be expected to experience also
 6 need to be recognised. Typical operating
 7 environment factors include:
 8
 9 . Climate
 10 . Price competitiveness with
 11 substitute fuels
 12 . Degree of urbanisation and
 13 industrialisation
 14 . General geographic conditions such as to
 15 topography and soil conditions
 16 . Pressure levels and pipe material used
 17 . System age.
 18
 19 When these factors are considered and understood,
 20 comparisons with only be used to indicate the
 21 ballpark in which operating costs performance
 22 indicators can be expected to fall for an
 23 efficient operator.
 24
 25 Comparisons of movements in operating costs
 26 indicators over time do not suffer from the same
 27 problems as comparisons in absolutes.
 28 Comparisons can be against yourself with time, or
 29 against the rate of improvement of other
 30 organisations.
 31
 32 There have been significant improvements in
 33 Gas Networks' operating costs since the time of
 34 the 1997 undertaking. This is shown in the
 35 reduction in real operating cost per kilometre
 36 from \$7,200 per kilometre in 1996 to a forecast
 37 of \$4,900 per kilometre in 1999. The revised
 38 access arrangement information provides a
 39 detailed transcription of the program undertaken
 40 to re-engineer Gas Networks' processes and the
 41 sizable reduction in operating costs this
 42 achieved.
 43
 44 A trend comparison of reductions in
 45 operating cost performance indicators against US
 46 gas utilities shows that Gas Networks has reduced
 47 costs at a similar, if not greater, rate than
 48 counterparts in the US. However, again it must
 49 be recognised that even this type of comparison,
 50 the timing and the nature of cost improvements
 51 will vary for each utility. It is likely that
 52 some will have undergone process re-engineering
 53 programs similar to that undertaken by Gas
 54 Networks before Gas Networks did, and others have
 55 yet to do so. The consequence is that this type
 56 of comparison, like the one discussed earlier,
 57 acts only as a broad guide as to what levels of
 58 the cost reduction could be expected to have

1 occurred during the period considered.

2
3 The significant improvement in efficiency of
4 operation and continued high growth in the tariff
5 connections have combined to improve
6 profitability in that segment. Such
7 profitability was foreshadowed by the Tribunal in
8 its final determination on the 1997 undertaking
9 as a significant factor to be considered in
10 redetermine the ICB.

11
12 In the financial years 1995-96 to 1997-98
13 customer numbers grew on average by more than
14 26,000 customer per annum. The overall result of
15 this growth of tariff customer numbers and
16 reduction in operating costs has been a
17 significant fall in operating cost per customer,
18 and a significant increase in operating margin
19 forecustomer per household customer.

20
21 Gas Networks would like to thank the
22 Tribunal for the opportunity to present the
23 significant points in the access arrangement and
24 the access arrangement information.

25
26 THE CHAIRMAN: Thank you. There are a lot of issues
27 and, as we indicated, we can only start to
28 scratch the surface of the ones uppermost in our
29 minds at the moment. Firstly, could I ask that
30 we get a copy of the overheads? That will help
31 us.

32
33 MR HARVEY: Yes, they are here.

34
35 THE CHAIRMAN: By way of clarification really, in the
36 first instance, you have gone through how you
37 have determined total revenues in terms of this
38 building block approach. You have also taken us
39 through, with your pointer, the allocations. One
40 thing I think we understand, but I really want to
41 be quite clear, is with respect to the
42 determination of contract revenues. Our
43 understanding is that your proposal has a return
44 on capital which is based on ORC, optimise
45 replacement cost, not depreciate optimise
46 replacement cost. Is that the case and, if so,
47 why?

48
49 MR CONNERY: It is actually one question we had
50 prepared for. The answer is yes, we have
51 proposed a return on the ORC rather than the
52 DORC. Perhaps if we can explain the rationale
53 behind that. Firstly, our economics suggests
54 that recovery of costs should not be less than
55 incremental costs nor the stand-alone cost. Like
56 with many issues, and I can say this because I'm
57 not an economist, economics can put it in the
58 right ballpark, but it cannot tell us that there

1 is a preferred spot on the park. Anywhere
2 between incremental cost and stand-alone costs is
3 okay in economic terms, as we understand it.

4
5 The gas code does allow prices to be set
6 within this range, that is on the ballpark or
7 within the ballpark that we have described.
8 Stand-alone cost is sometimes measured by
9 reference to a depreciated cost or DORC, and
10 sometimes by reference to replacement cost or
11 ORC.

12
13 In the 1997 review process, there were
14 number of submissions - in fact I think it was
15 BHP, but I may be wrong so don't hold me to my
16 answer - that stated that stand-alone costs
17 should be measured against the cost of an
18 efficient new entrant, that is against DORC. The
19 Tribunal in its submission also supported this as
20 an appropriate measure of a stand-alone cost, as
21 I recall it.

22
23 Forcenergy, in its submission to this
24 process, has said that economic principles imply
25 in general terms tariffs for a distribution
26 network should deliver revenue on a per customer
27 basis, which lies between incremental cost of
28 continuing to serve that customer and the
29 stand-alone cost of replacing the service being
30 offered. This supports the new entrant or ORC
31 approach. It also suggests that ORC for the
32 contract market might be the sum of individual
33 ORCs for each of the 500 contract customers.
34 Such an ORC would be considerably larger than the
35 shared ORC, and would give rise to a stand-alone
36 price much greater than \$70m. This is another
37 plausible view of economic principle.

38
39 THE CHAIRMAN: I think I will give away my degree.

40
41 MR CONNERY: Gas Networks has assumed that the
42 contract market should enjoy the benefits of the
43 economies that it as a total group brings. We
44 think this is a more reasonable approach than one
45 which would rely on the sum of individual
46 customer ORCs.

47
48 In coming to a landing on a shared ORC as
49 the foundation for contract prices Gas Networks
50 has also considered a number of other matters
51 including the rationale for the development of
52 the high pressure system - and we did make
53 reference to this in the access arrangement
54 information - and the impact of alternate
55 landings on contract and tariff prices. So there
56 is a big ballpark out there and there are a lot
57 of considerations no doubt that the Tribunal will
58 take on board.

1
2 THE CHAIRMAN: Clearly they are issues that will be
3 explored. In terms of the process of determining
4 an appropriate pot of dollars or revenue
5 requirement, and then allocating that amongst the
6 major clients and networking that through the
7 prices - which in terms and conditions sounds
8 easy, but, as we all know, it is extraordinarily
9 complex - a part of it relates to, in the
10 building blocks, the operating costs, and I note
11 that you have recognised the requirements of the
12 code when the code talks about efficient costs.
13
14 I want to talk about the Capex forecasts and
15 the Opex forecasts in the context of efficient
16 costs. I note that overall there don't appear to
17 be any real cost reductions over the period of
18 the proposed undertaking. Capex is about \$80m
19 per annum average over five years. On the Capex
20 side first, what is happening? What is the Capex
21 for? It looks like quite high levels for a
22 mature network.
23
24 MR CONNERY: The Capex itself has been derived from a
25 bottom-up approach, so we do in our models have
26 quite significant detail, and we can take the
27 Tribunal through that. Essentially, it looks at
28 a number of elements. It looks at the age of the
29 existing assets and when those assets will need
30 to be replaced, and what that requires by way of
31 additional capital. It looks at the projections
32 of growth and connections, particularly in the
33 tariff market. In fact, that's where the growth
34 is, of some 25,000 connections per annum, and
35 builds up from that average cost per connection
36 to arrive at an amount of capital that is
37 required for growth. Then finally it looks at
38 any additional capital required of an imbedded
39 nature to reinforce the system to meet that
40 additional growth. So the legs, the steps, the
41 foundations are there, and we need to take you
42 through that in detail. That is the way it has
43 been built up. It has been built up; it is not
44 just a number.
45
46 THE CHAIRMAN: It is an area we will explore. Some
47 consultancy work is about to start. Possibly
48 more worrying, it is certainly intriguing to me,
49 is that component of Opex, being marketing plus
50 overheads or admin in general. I am surprised
51 when I see that about 60 per cent of your total
52 operating costs are accounted for by marketing
53 plus overheads. That strikes me as large. When
54 I look at some comparators, which we have with
55 the Victorian companies through the recent
56 processes, perhaps you can help me understand why
57 it is high in terms of dollars and, apparently, a
58 very high proportion of your total costs.

1
2 MR CONNERY: I have been well briefed, and not from
3 the Tribunal. In terms of marketing costs - and,
4 clearly, marketing costs is one we recognise as
5 one that attracted a lot of interest in the
6 market, so we did prepare to answer any questions
7 on marketing - I would like to give a rather full
8 answer on marketing, because it is an important
9 area --
10
11 THE CHAIRMAN: Please.
12
13 MR CONNERY: -- and look at it both in terms of the
14 relativities with other players as well as an
15 absolute sense of why marketing is required in
16 the NSW network.
17
18 In the colder climates of North America and
19 north Europe, natural gas has a strong market
20 position. Because it has advantages as a heating
21 fuel, 90 per cent, or more, of homes in cold
22 climates use natural gas. In some circumstances,
23 it is a matter of life and death, and people have
24 been known to die if there has been an
25 interruption for any significant period of time.
26
27 Again, because the cold average household
28 consumption is typically around 90GJ per annum,
29 or higher - in parts of North America you are in
30 the 150GJ per annum compared with our 24GJ in
31 NSW.
32
33 Because a gas supplier has a significant
34 amount of fixed costs, and because of the
35 economies of scale available in delivery systems,
36 high household penetration and high household
37 consumption lead to below average prices, the
38 fixed costs of being able to amortise a large
39 volume of gas, and low prices then add to the
40 attractiveness of natural gas.
41
42 In these cold climates it is not necessary
43 to promote natural gas; it sells itself. We call
44 these markets "natural gas markets". Victoria,
45 one of our comparitors, has many of the
46 attributes of a natural gas market. It is cold.
47 It has a high penetration, above 90 per cent, of
48 households that are connected to gas. It has
49 high average household consumption, around about
50 the high 50s, almost 60GJ per annum. This market
51 does not require significant marketing to hold
52 its customer base and to grow. It has the
53 natural attributes that attract customers.
54
55 The picture in the milder climates, such as
56 Sydney, is quite different. Firstly, in Sydney
57 it is not cold. We have the occasional snap, but
58 it is not cold. Average penetration is about

1 35 per cent. We have about 50 per cent of
2 customers on line of main, but we only have mains
3 past something like 60 per cent or so of houses.
4 So we have a penetration of about 35 per cent
5 rather than the 90 per cent that you would find
6 in cold climates, and the average household
7 consumption is 24GJ rather than the 60GJ to
8 90GJ. As a consequence, the average cost to
9 supply is higher than in the colder climates.
10
11 The combination of these matters show that
12 natural gas does not have a natural market in the
13 Sydney area, and it is necessary to promote that
14 natural gas in order to maintain customers and to
15 grow.
16
17 By way of the record, when I first joined
18 the company in around 1978 the average household
19 consumption in NSW was 13.5GJ, so 24GJ is not a
20 bad number by way of comparison.
21
22 I think there are other questions that may
23 spill beyond that. I don't know whether you want
24 me to canvass those, but those are how much
25 expenditure should there be in marketing, and
26 should that expenditure be incurred by the
27 network operator or by retailers.
28
29 THE CHAIRMAN: I suppose a cynical response might be,
30 it is potentially spending a lot of money in a
31 market that is not a natural gas market and may
32 not actually generate the sorts of revenues that
33 would justify that expenditure. We will not
34 pursue it in detail.
35
36 MR CONNERY: I could answer that, as we have covered
37 that matter.
38
39 THE CHAIRMAN: It is an issue that, obviously, we will
40 explore. The corporate overheads are also about
41 30 per cent of total Opex. It is a very high figure.
42
43 MR CONNERY: I'm not sure how to address that because
44 I'm not sure of the detail that we are comparing
45 it with, but overheads in most of those
46 businesses are not significant.
47
48 THE CHAIRMAN: We will explore that. I am
49 highlighting things that are clearly of great
50 interest to the Tribunal.
51
52 MR CONNERY: We appreciate that.
53
54 THE CHAIRMAN: I guess it goes both to this very
55 interesting and important debate about cost
56 allocation methodologies, the ballpark. I think
57 sometimes economics takes us to the wrong planet
58 let alone than the right ballpark. It goes to

1 cost allocation issues as well as the broad issue
2 of capital contributions.
3
4 Let me quote, because it is on the public
5 record, from the submission from Gas Advice.
6 They use the example of Capral. They talk about
7 the particular methodology that is proposed by
8 AGL, which is the stand-alone methodology. It
9 also goes to capital contributions. It is
10 something we need to explore in terms of
11 confirming it is correct. It states:
12
13 Capral should be paying approximately
14 \$1m per year in local network charges
15 for a pipeline which costs only \$3.6m
16 to build and apparently add a capital
17 contribution of \$2.19m to that. The
18 pipeline has been operating for 15 years.
19
20 It brings into question the whole basis of the
21 stand-alone costings currently being adopted. I
22 don't want to go into the details necessarily,
23 but assuming the details are broadly correct, it
24 goes to two very critical issues, that is of
25 capital contributions and how we deal with those,
26 and the application of stand-alone charges with
27 what, on the face of it, appears an outcome may
28 be very difficult to justify. Can you help us
29 understand that?
30
31 MR CONNERY: I don't know the details that have been
32 put. As you know, some of the submissions we
33 have had only for a short time and there has not
34 been a lot of time to prepare. But certainly, in
35 terms of capital contributions in general - I'm
36 not talking about this one in particular - we can
37 make the point, as we have made the point on
38 previous occasions, that the company was required
39 to treat those contributions as profit and, since
40 our profits were limited, if there was any
41 beneficiary of those profits, it certainly wasn't
42 the company. It wasn't on top of the regulated
43 returns that we were allowed to incur. That is
44 just one perspective. I recognise there are
45 other views that will be taken into account, but
46 that is a reality. It is a fact.
47
48 THE CHAIRMAN: Again, it is an issue that clearly is
49 on the table, both in terms of capital
50 contributions and the allocation methodologies
51 which quite critical.
52
53 Again a point of clarification from our
54 analysis, whilst you are proposing contract
55 market revenues after a transition period - I
56 will ask you about a transition period - of \$70m,
57 there is a reduction in revenues in your
58 proposal. From our examination of section 3,

1 prices actually appear to be going up. We can't
2 quite reconcile what is happening. That may be
3 something that you can explain here, or it might
4 be something that you can take on notice, but we
5 just can't quite reconcile why falling revenues
6 are associated with rising prices. It is section 3.
7
8 MR CONNERY: We would have to take that on notice.
9 The intent was that it would reflect a reduction.
10
11 THE CHAIRMAN: Why still a transition period? Why
12 hasn't the last four years, or whatever it has
13 been, been sufficient to deal with transitional
14 issues?
15
16 MR CONNERY: Our view would be that, wherever
17 possible, there should be attempts to avoid sharp
18 movements. A transition period - transition from
19 where to where? There can be transitions
20 forever, because there will always be movements
21 over time, changes in perspectives of views about
22 how prices should change over time. I suppose
23 "transition" maybe is not the best word to use,
24 but it is just how you move from one position to
25 another. Do you fall over the cliff, or do you
26 jump up the hill, or do you move there over
27 time? Our position is that it is better to move
28 there over time rather than go quickly.
29
30 THE CHAIRMAN: Again very much reflecting the
31 allocations, as well as obviously the total pot
32 of dollars that you are seeking to recover, both
33 from the tariff part of the market and the
34 contract part of the market, is what appears to
35 be a nearly 40 per cent real increase in total
36 charges to the tariff market over five years. Is
37 that right? It does raise the question of
38 whether indeed that can be obtained from an
39 activity that, as we have understood, is fairly
40 competitive in terms of its relationship with
41 electricity. The corollary to that is, if indeed
42 you can extract those sorts of price increases,
43 and you had a look at the potential impact on
44 market customers --
45
46 MR CONNERY: My recollection is that the proposal we
47 put forward is that the prices to the tariff
48 market will rise by 8 per cent real over the
49 period of four or five years. I'm not sure where
50 price movements of 40 per cent might come from.
51
52 THE CHAIRMAN: It is the revenues.
53
54 MR CONNERY: Revenues. Well, we generally would look
55 at price. We have looked at price because,
56 clearly, there is growth, and it is growth
57 assumptions there. So in terms of price over the
58 period I think of four years, we have proposed

1 that the price would rise by 8 per cent real over
2 that period of time, and our view is that the
3 market has been growing fairly strongly over a
4 period of time.
5
6 THE CHAIRMAN: Again, what may be seen by some as a
7 quite optimistic growth forecast, we will look at
8 it, and also we will get some work done on what
9 the growth might be like. There is a whole range
10 of other issues in the non-price side. We will
11 see what it looks like, but I know Jim is keen
12 pursue that.
13
14 MR COX: Thank you very much for your submission and
15 for your presentation this morning. I think,
16 like Tom, there are many issues I would like to
17 ask and we could be here until next week, but I
18 don't think we will do that. What I thought I
19 might do is try to raise a few issues that are
20 troubling me, and I suspect my colleagues as
21 well, and perhaps you can deal with them this
22 morning or perhaps you will wish to enter into
23 the discussions and present some material on
24 them.
25
26 I think the starting point is, as you
27 started off by presenting the services that you
28 are going to offer, and I think it is
29 appropriate - and you did make the point that
30 the services you are proposing to offer are less
31 restrictive and more varied than was the case in
32 the previous, still current, access undertaking -
33 a number of people have suggested to us in
34 submissions that still further services will be
35 required were a competitive market to eventuate.
36 As you are aware, there is a possibility of
37 interconnection with your system in the next year
38 or so, and it does raise a number of issues. I'm
39 not sure in my own mind what services would be
40 required by a competitive market. I wonder
41 whether you feel additional services would be
42 required. I wonder what provision there could be
43 in the access arrangement to reveal the services
44 that are offered if further services were
45 required were a competitive market to eventuate.
46
47 MR CONNERY: I think the quick answer is that we have
48 provided for negotiated services, and anything is
49 negotiable. But beyond that I don't think we can
50 make comment at this time.
51
52 MR COX: I guess there is a question for us as to
53 what should be in the reference service category
54 and what should be in the negotiating category.
55 I guess we are going to have to come to grips
56 with it.
57
58 Another issue which has been presented in

1 submissions is the forecast of volumes. I think
2 I am correct in saying that the forecasts you
3 have for the volume sold in the contract market
4 is for no change and for growth in the tariff
5 market.

6
7 MR CONNERY: Yes.

8
9 MR COX: We have a number of submissions suggesting,
10 depending on your point of view, that this
11 forecast is either cautious or ambitious for the
12 contract market. We also have a submission on
13 behalf of BHP Petroleum which purports to find
14 anomalies in the forecasts for the tariff market.
15 I wonder if you care to respond to those points
16 either now or later?

17
18 MR CONNERY: I can certainly respond to the first,
19 about the optimism in forecasts. We did read
20 that there is one vision of doubling of contract
21 load over five years. First, we have to look at
22 the history. There has been almost no growth in
23 the contract market since a very strong
24 penetration after the early years of natural
25 gas. Besides the increases that came about by
26 moving gas into new areas, Newcastle, et cetera,
27 it has been pretty flat. We wish it were
28 otherwise, but that happens to be the case.

29
30 Then we look at what is going to drive
31 additional contract growth. Where is it going to
32 come from? Much of the manufacturing use of a
33 natural gas is derived. I mean, they don't use
34 natural gas except because they need it to meet
35 their requirements for demand for their products
36 themselves. We don't see that there is going to
37 be a significant change in the demand by
38 manufacturing currently for gas, because I guess
39 we don't see that there necessarily will be a
40 significant demand for the products that are
41 being produced.

42
43 In terms of new manufacturing, natural gas
44 normally constitutes less than about 5 per cent
45 of the input cost of manufacturing, with the
46 exceptions of the brick industry and
47 fertilisers. There are some clear exceptions,
48 but for manufacturing it is only a small portion
49 of the overall cost, and it will not be the key
50 determinant of where a plant is actually going to
51 be built. If that plant is going to be built,
52 how long before it is commissioned - a year or
53 two?

54
55 So most of the projections are clearly out
56 there. When they looked at where growth for gas
57 was going to come from in NSW, they looked to
58 electricity generation and cogeneration. At the

1 moment in NSW we do have that oversupply of
2 capacity. The co-gen plants and electricity
3 generation plants for natural gas are being
4 pursued. People are looking at them. We are
5 trying to promote them as hard as we can, but
6 they are not yet getting off the ground. It is
7 very hard for us to see in this next five years
8 any significant growth. We just don't see it.
9 We wish it were there, but we don't see it. I'm
10 not sure about the anomalies. I would have to
11 come back on that.

12
13 MR COX: From our point of view, the low growth
14 forecasts are extremely important because they go
15 to prices, determining prices. It is an issue
16 about which we have to satisfy ourselves. I
17 guess I have been in this job too long. I can
18 remember early presentations by Greg Martin on
19 how hard it was to get more money out of the
20 tariff market, to compete with electricity. The
21 gas business really was very marginal. I should
22 add that we will be bringing down some
23 suggestions like answers to what electricity
24 prices might be over the next four or five, and
25 if it were up to me I would say that I doubt
26 whether they are going up. All of this being so,
27 the first question is, why is it now possible for
28 the tariff market price increases that you are
29 suggesting? The second, is that a reasonable
30 thing for us as regulators to sign off on. Is it
31 a desirable outcome for domestic users of gas to
32 be paying more?

33
34 MR CONNERY: Coming to the first, wherever there is
35 to be a shift in perception, there has to be a
36 time when that shift occurs, and it has
37 occurred. That is simply the beginning and the
38 end. We have had strong growth in terms of
39 connections. I think for the last eight or 10
40 years, it has been about 25,000 connections per
41 annum. That is a significant change from early
42 history, if you go back to just prior to natural
43 gas arriving. AGL have been losing customers,
44 net losses of customers, for many years. The
45 share of the market has fallen.

46
47 I am going into history now. If we go back
48 to the end of World War I, we had an 80 per cent
49 market share. Eighty per cent of the homes in
50 Sydney used natural gas. Prior to natural gas we
51 were down to 30 per cent. We were losing lots of
52 customers. Even with the arrival of national
53 gas, there was a price freeze for something like
54 three years. It took us four or five years
55 before we got a turnaround.

56
57 Admittedly, just prior to natural gas, we
58 had been reforming naphtha to produce town gas.

1 The price of naphtha had just through the roof.
2 Gas prices went up three-fold. It is not
3 surprising that customers were a little upset
4 with those sorts of increases.
5
6 We also had difficulties with the
7 distribution system. There has been insufficient
8 money to properly maintain it. We had losses
9 with supply. We had leakage. There were all
10 those sorts of issues, so that led to a review of
11 the tariff market. It was tough, and it was
12 tough for a long time, but since around the mid
13 to late 80s we have worked very hard at it, and
14 we have turned it around. It has been fairly
15 strong. We have now changed our perceptions and
16 believe it is getting momentum. We are getting
17 to a significant number of customers. It is
18 coming together.

19
20 As I said before, the average consumption
21 back in the early years in 1978 was 13.5GJ; it is
22 now 24GJ. We would like it to be 60GJ, but 24GJ
23 is certainly better than the 13.5GJ.

24
25 In terms of your second part of the
26 question, what should we as regulators --

27
28 MR COX: Us as regulators.

29
30 MR CONNERY: Yes. It is not an easy task, and we
31 don't for a moment think it is an easy task. We
32 have our burdens to bear, and I think this is one
33 that I can't give an answer to.

34
35 MR COX: I have been avoiding for as long as possible
36 the initial capital base, but I think we have to
37 grapple with it now. As was pointed out, this is
38 a de novo review, so what we say last time may
39 not carry any weight. You pointed out quite
40 correctly that what we have to do is satisfy the
41 various requirements in 8.10 of the code. I
42 don't know whether you have been following the
43 debate we had with GSM, and asset valuation
44 there. No doubt you have, but not in the same
45 excruciating detail that we have. But the view
46 that we came to there was that we had to produce
47 an access undertaking to satisfy the various
48 objections of the code as set out in section 2.24
49 of the code, and that initial capital base had to
50 satisfy not only the requirements of 8.10, which
51 you presented this morning, but also the
52 objectives of section 2.24.

53
54 Those objectives include, properly, the
55 interests of the owner. They also include things
56 like the need to promote competitive markets, the
57 need to promote economic efficiency, and the
58 interests of users. I think we all agree, at

1 least in the gas context, that the DORC asset
2 valuation is towards the top end of the
3 reasonable range. Those other considerations I
4 have just quoted might well suggest that an asset
5 base below DORC is appropriate to achieve the
6 objectives of the code. Would you like to
7 comment on this argument?

8
9 MR CONNERY: We don't question that the Tribunal has
10 to take into account a whole series of matters in
11 determining a number which is most likely to fall
12 between DAC and DORC. We don't believe that DORC
13 is the only answer. Clearly, the code is based
14 on the assumption that there will be many
15 considerations. Neither do we think that DAC is
16 the only answer. It will be, more than likely,
17 between them. Even then, you are allowed to go
18 outside those bounds, if you so wish.

19
20 We could talk about our access arrangement
21 information and the considerations that we have
22 taken into account in that, which I think cover a
23 number of the matters that we have raised, but I
24 think that is on the record.

25
26 MR COX: It is a dark horse, actually.

27
28 MR CONNERY: I don't think it would further the cause
29 by going through it here.

30
31 MR COX: I would like to ask you to speak about the
32 Goldline issue, which I think you very nobly said
33 was a mistake on your part. I recall living
34 through that last time, and if it was a mistake,
35 it was not a mistake that entered into in
36 substantial debate about consideration of the
37 options. Perhaps you can explain to us what the
38 issue is and why it was a mistake.

39
40 MR CONNERY: It was not a mistake in the conceptual
41 sense of how Goldline should be treated. I think
42 the Tribunal indicated that, from a regulatory
43 point of view, Goldline had to be treated as if
44 it were on balance sheet, and that makes sense
45 with the scheme of the code today, as I think it
46 did before.

47
48 It was actually in the construction of the
49 cash flows which represented the sustainable
50 revenue stream and then we discounted back to get
51 a net present value - very much an ODV type
52 analysis. Within those cash flows - and AGL have
53 the preparation of that, although they were
54 clearly cash flows that were seen by the Tribunal
55 and looked at very closely - within the detail of
56 that, AGL had an expenditure of an amount of
57 \$300m, which was to purchase back the Goldline
58 leases, to actually move them from debt to

1 equity, as it were.

2

3 By having that expenditure in there, we were
4 effectively, in a way, working out the net
5 present value of shareholder wealth, not of funds
6 employed. It was a mistake to have that in
7 there. From our own internal purposes, it may
8 have been appropriate for the company to look at
9 it from that point of view, but it did not
10 achieve the objective which was to get the net
11 present value of the funds employed, both debt
12 and equity, in the natural gas business. So that
13 was the error.

14

15 MR COX: I wanted to raise the pricing structure.
16 There are a couple of issues there. First, as we
17 try to get to grips with it, it seems to us that
18 the costs are being shifted from the trunk
19 network to the Sydney local network in
20 particular. This is compared with the access
21 undertaking in force at the moment. Perhaps you
22 can just explain why this has happened - few
23 costs being attributed to the trunk, and more
24 costs being attributed to the Sydney local
25 network.

26

27 MR CONNERY: I'm not sure I understand. If you don't
28 mind, we would prefer to take that on board. I
29 know it is a consequence of the allocation, but
30 to actually get behind it probably requires a
31 little more detail and expertise than I have.

32

33 MR COX: Thank you for that. The other issue is, in
34 submissions we are being told of the various
35 bypass opportunities that will be economic in the
36 pricing structure you suggest, which is based on
37 stand-alone replacement costs. There is also a
38 rather mysterious policy of capping customers,
39 which I'm not sure I understand, and perhaps you
40 will speak about that a little. I have two
41 questions. Firstly, what is capping, how does it
42 work and what is it intended to achieve?
43 Secondly, does the prevalence of that and the
44 emergence of bypass operations really suggest
45 that there is something basically wrong with the
46 pricing structure that has emerged in the pricing
47 you described this morning?

48

49 MR CONNERY: Again, without having had the time to
50 consider the bypass options that were put up, I
51 can't comment on whether they are feasible. I
52 really have not had time to review those. In
53 terms of the capping, it is an attempt to limit
54 the increases that would fall on certain
55 customers as a consequence of trying to adopt a
56 more cost-reflective approach. We had capping,
57 on the last occasion, in 1997. We have always
58 had an issue as we moved in NSW from one

1 traditional form of pricing to another. It

2 wasn't reflective of where you were within a
3 network; it was generally that, I guess, a 50TJ
4 or a 100TJ customer paid a certain amount, and it
5 didn't matter whether you were right on the trunk
6 or whether you were out at Botany or wherever
7 else.

8

9 We are now moving to a more cost-reflective
10 pricing structure, and on occasions we end up
11 with prices that are rising significantly to
12 individual customers, even though overall the
13 revenue might be coming down. The capping is
14 simply an attempt to moderate those sorts of
15 movements. Also you can find sometimes that a
16 price is going up one year and going down in a
17 future year. This is an attempt not to send that
18 silly signal, that one year you are going up and
19 the next year you are coming down. It is
20 difficult.

21

22 THE CHAIRMAN: For my benefit, is that capping done
23 by the network or by retail?

24

25 MR CONNERY: No, that capping is in the structure
26 that has been presented today.

27

28 MR COX: Would you like to address the question of
29 the instance of capping, and the bypass
30 opportunities. Those things taken together, do
31 they suggest there is something basically wrong
32 about the pricing structure?

33

34 MR CONNERY: I think that if they are real
35 consequences, it is important that we look at
36 those and explore them, certainly. If that is
37 the case, we need to look at those and the price
38 structure.

39

40 MR COX: One final question. Again, things have been
41 said to us in submissions about your trading and
42 queuing policies as being perhaps too
43 restrictive. Do you want to comment on that
44 suggestion?

45

46 MR CONNERY: I think we would like a little more
47 detail on how they are restrictive.

48

49 MR COX: Perhaps it is worthwhile reading through the
50 submissions that have we received and provide a
51 response for us.

52

53 THE CHAIRMAN: On that, I note that AGL returns
54 tomorrow afternoon. The sorts of issues that
55 have been raised relate to what is seen as overly
56 complex balancing arrangements compared to other
57 jurisdictions. They certainly have been
58 identified as problems by some customers. They

1 are in the submissions. They are, again, of
2 great interest to the Tribunal. Maybe you could
3 look at those and address some of those issues.
4 I know they will be pick up some criticisms over
5 the next two days.

6
7 MR CONNERY: Yes.

8
9 THE CHAIRMAN: Thank you. We will take a short
10 break.

11 (Short adjournment)

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1
2 AUSTRALIAN GAS USERS GROUP
3
4 THE CHAIRMAN: We will resume. We actually have David
5 Headberry from the Australian Gas Users Group,
6 with Professor David Johnstone, who was
7 commissioned to prepare a paper which is on the
8 record as part of these proceedings.

9
10 MR HEADBERRY: Thanks very much, Dr Parry. The
11 Australian Gas Users Group is extraordinarily
12 concerned about the initial capital base. We
13 have commissioned David Johnstone to look at the
14 issues of initial capital base and asset
15 valuation. He will make a major presentation and
16 then answers questions.

17
18 Before we get into that, I would like to
19 make a couple of points about our major
20 concerns. Our first major concern is that the
21 information so far disclosed is insufficient for
22 us to be able to do an assessment of the proposal
23 put forward by AGL. We would like to have the
24 information as required by the code submitted and
25 made available to us.

26
27 Another point is once we receive that
28 information, we think that it would be
29 appropriate to call for new submissions and to
30 hold another public forum to discuss the issues
31 in more detail after we have been able to digest
32 the information.

33
34 The third point we would like to make
35 relates to the evaluation of equity issues.
36 Again, this comes out of the information
37 disclosure. I refer to issues such as the
38 allocation on geographic basis or service basis -
39 that is the allocation of costs - and the cost
40 allocation of common assets, which you picked up
41 on earlier. Why should the contract market be
42 evaluated on a stand-alone basis? Why should it
43 be evaluated on an ORC basis as distinct from the
44 more appropriate DORC basis?

45
46 I now wish to introduce Professor Johnstone.
47 He has done an analysis for us on the total
48 cost. Because of the total cost to consumers,
49 asset valuation is probably the key. It leads to
50 about 60 per cent of the total tariff or maybe a
51 tad more. We would like to spend some time on
52 asset valuation and I'll hand over to David
53 Johnstone.

54
55 PROF JOHNSTONE: From an academic's point of view the
56 discussion that I have been privy to in all the
57 various proponents' proposals and regulators'
58 findings in the various energy access proposals

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1 have been very unguided by any theoretical
2 framework on asset valuation.
3
4 Just this morning we heard the proposition
5 that the correct, in a sense, rateable asset base
6 would be between DAC and DORC, but it might be
7 outside that range. So this is the level of
8 foundation that we are working at in this
9 debate. If we built gas networks on this kind of
10 foundation they would hardly be worth valuing at
11 all, but we are prepared to do this kind of
12 economics with such little foundation.
13
14 Today, I would like to provide a theoretical
15 foundation, which I am sure will be new to almost
16 everybody here. It is actually something which
17 exists in the literature as a rationalisation
18 between economics and accounting, but it seems to
19 be new pretty well even to economists but
20 certainly to accountants. I have talked to
21 accountants about what goes on here, where we
22 intermix these terms NPV and DORC, for example -
23 NPV is an economics' notion, very much from
24 economics and finance. DORC is an accounting
25 notion and traditionally accounting and economics
26 are regarded as irreconcilable twins in that
27 accounting looks at the present and the past but
28 economics is a valuation framework looking at the
29 future, in particular looking at cashflows.
30
31 Getting back to this quite strange thing
32 that is going on in the regulatory tribunals at
33 the moment, this funny juxtaposition of
34 accounting and economics, it turns out that there
35 is a wonderful reconciliation of asset valuation
36 rules in accounting and economics notions of
37 valuation, particularly NPV, that was developed
38 in the 1970s by a Cambridge economist called John
39 Kay and it has lain dormant in the literature
40 forever.
41
42 I am going to give you the basics of that
43 today and I am sure it will provide some clarity
44 about asset valuation in terms of an economic
45 rationalisation. I have about eight slides to go
46 through. My presentation is in the nature of a
47 little tutorial, really, on this reconciliation
48 between economics and accounting notions of
49 valuation, and then we will draw some
50 ramifications for this particular debate.
51
52 This is all measuring the capital costs of
53 an entity because the whole idea is to reward AGL
54 for its fair capital costs. How do we do that?
55 According to economics, and finance coming after
56 it, you value capital costs on a strictly
57 discount cashflow basis. Cashflows are facts,
58 they are all that matter, no other basis is

1 relevant. If you have ever studied finance you
2 have been told this ad nauseum.
3
4 Let us just take a simple example of an
5 asset purchased for \$1,000 and sold two years
6 later for \$300. What are the capital costs
7 involved there? On a strictly DCF basis - that
8 is, cashflow only - we simply identify the time
9 and amount of the cashflows and we discount them
10 back to zero to get them into an aggregate figure
11 called a present value. In this case, that would
12 be \$752 of cost in PV terms - \$1,000 at times
13 zero, no discounting required for it, \$300 coming
14 back to us at times two, termination proceeds of
15 sale, discount that back to times zero today and
16 we have \$752 worth of costs on a PV basis.
17
18 That is a very straightforward valuation
19 approach. It is just matter of fact, it is
20 cashflows only. Strangely, economists have
21 another way at least of doing this same
22 calculation which is much more abstract. It is
23 more of a conceptual view of costs than a factual
24 view. That is what I've called in this
25 presentation the accruals approach.
26
27 I want to come to the same figure from a
28 completely different route and this will help us
29 understand relationships that are presently very
30 vague, I would say. This is method two, the
31 accruals method of getting the same result.
32
33 Under this method, economists have told us
34 that there are actually two elements to the cost
35 of capital. When you hold capital, you have a
36 capital asset, the first element of cost is the
37 loss of value of that asset - as you hold it, you
38 lose value. That is called in generic terms
39 depreciation. It is defined here as loss of
40 asset value, ending value in the period minus
41 opening value - "value" being at the moment an
42 undefined term. That is depreciation.
43
44 The second element of capital cost is the
45 fact that you are tying money up in this asset
46 and, therefore, you are not earning a return on
47 it elsewhere. That is call the opportunity cost
48 of capital. Those two elements capture the whole
49 cost of capital from an abstract point of view.
50
51 The opportunity cost is defined as the rate
52 of return that you should be earning for an asset
53 of this risk times the value of the asset
54 measured as the opening value of the asset in the
55 period, and the period can be a year, a month or
56 however we define the period. They are the two
57 elements of cost according to the accruals
58 approach.

1
2 There is no cashflow here. Depreciation is
3 not a cashflow. Opportunity cost is a notion not
4 a cashflow. So we have two elements of cost that
5 are both notional rather than actual, yet we come
6 to the same answer in the end.
7
8 We do it through slightly more convoluted
9 calculations, but as you can see the PV of costs
10 turns out to be the same. Here is our same
11 example repeated from a different framework's
12 point of view. The asset value opens at \$1,000,
13 it must come on at cost under this framework and
14 it must go off at exit value. It must be written
15 down to exit value at termination, so it's
16 written down to \$300 at times 2, it comes on at
17 cost of \$1,000
18
19 I will just make up a number in the
20 intervening period. This is the valuation. That
21 could be arrived at any way you like, any
22 rhetoric you like, DORC, DAC, 95 per cent DORC,
23 anything you like. As it turns out, that number
24 in the middle period is actually mathematically
25 irrelevant. Its effect cancels out because it
26 has one effect on the depreciation expense - the
27 smaller it is the bigger the depreciation expense
28 - but it has a compensatory effect on the
29 opportunity cost in the second period and
30 mathematically it turns out to be irrelevant.
31
32 This is a wonderful result, really, because
33 it tells us an asset valuation in the period
34 between purchase and eventual sale is an
35 irrelevance mathematically to calculating the PV
36 of costs.
37
38 Just going through this particular set of
39 numbers, depreciation in time one, period one, is
40 from \$1,000 down to \$700 at the end of the
41 period, \$300 is the change in value. That is the
42 depreciation in period one. Period two
43 depreciation, \$700 down to \$300 - \$400
44 depreciation. They are the accruals in those two
45 periods.
46
47 The opportunity cost measures at 10 per
48 cent, for example's sake, times the opening asset
49 value gives us opportunity costs in the two
50 periods of 170. They are accruals; they are not
51 cashflows. We add them together - they are
52 negative because they are expenses in
53 accountants' language - and we find their PVs and
54 bring them back to zero and we get the same
55 answer.
56
57 We could have got the same answer with any
58 number here, it doesn't matter. The asset

1 valuation is in between. The asset coming on at
2 cost and going off at exit price does not make
3 any difference to that PV of negative \$752. That
4 is, through a basic example, the reconciliation
5 of the two frameworks. We say that, provided
6 each approach is applied by its own rules, the
7 two methods are effectively the same, despite
8 their superficial divergence. That was Kay's
9 finding.
10
11 As it turns out, that is what underpins the
12 discussion going on at the moment. Apparently
13 the people doing the discussion are not aware of
14 the underpinnings. There is very little resort
15 back to this theoretical framework. I imagine
16 what has happened is that the model that is being
17 used at the moment of depreciation plus
18 opportunity cost as the capital cost, coming from
19 economics, perhaps initiated out of London, and
20 then through New Zealand and so on. It came from
21 economists, who have some background in that view
22 of capital costs rather than the cashflow view of
23 capital costs. As it turns out, it doesn't
24 matter anyway. The frameworks are the same.
25
26 DCF rules - all non-cash flows associated
27 with an item of equipment, a capital asset, must
28 be recognised and nothing other than cash should
29 be recognised. No book entry is of any relevance
30 to the discount cashflow approach. Depreciation
31 is a non-cashflow. Opportunity cost is a
32 notional cost; it is not a cashflow. Under the
33 DCF approach, you do not look at those elements
34 of cost at all.
35
36 Under the accruals approach, you take the
37 other view. You exclude the actual cash costs
38 and use only the accruals flows, the notional
39 flows. The one rule, as I said previously, that
40 must be abided by is that the asset must come
41 onto the balance sheet at cost and must go off at
42 NRV - net realisable value - at termination.
43
44 Accountants, in the language that I think
45 Kay introduced, call this clean surplus. They
46 actually argue that if accounting was done
47 properly, both these elements of accruals would
48 go through the balance sheet and the numbers
49 which represent the change in two balance sheets
50 would be more meaningful. Accounting is not done
51 that way under Australian accounting standards.
52
53 Getting to where this is taking us, this is
54 really the important part. What is the economic
55 criterion in tariff setting? We have talked
56 WACCs and DORCs and these various things, but
57 what is the underlying rationale for the use of
58 these notions?

1
2 I had to read between the lines to actually
3 determine this, but it seems to me that what is
4 going on is that the regulators are attempting to
5 grant the asset owners a tariff stream which
6 gives them a net present value equal to zero at
7 the rate of return of the WACC. In other words
8 if the discount rate was the WACC - the weighted
9 average cost of capital - then we are trying to
10 give the asset owners an NPV of zero at that
11 WACC.

12
13 Interestingly, that is exactly what finance
14 tells us efficient markets do: they provide only
15 NPVs of zero. There are no positive NPV
16 projects. Projects are priced at an entry cost
17 so that the NPV is zero at the WACC associated
18 with the risk of that project.

19
20 It stands to reason that this would be a
21 sensible economic criterion to use in tariff
22 setting. I do not think there is any other,
23 really, that could be consistent with economics
24 and finance theory. It gives us something to
25 start to base our discussions on.

26
27 The big problem in meeting this criterion is
28 the handling of asset revaluations. We need to
29 go back to our example to understand how
30 revaluations must be handled if we are to get the
31 NPV to be zero whilst applying the kind of
32 pricing formula that is being considered here.

33
34 In our simple case I have allowed for an
35 asset revaluation at the end of time period one
36 from the depreciated value of the asset, which
37 was \$700, up to \$1,200. I have written the asset
38 up by \$500. There is an asset revaluation at the
39 end of the period one of \$500.

40
41 That takes the asset value at the end of
42 that period, first of all, down by \$300 for
43 depreciation, then up by another \$500, so it is
44 up to \$1,200 at the start of the second period
45 and that means the opportunity cost in the second
46 period is a function of \$1,200. The opportunity
47 cost there is 10 per cent time \$1,200.
48 Depreciation, I run at 30 per cent per period on
49 the opening asset value, just as a rule to get
50 some numbers.

51
52 What happens, if we do this thing correctly,
53 is we can still get the same answer of negative
54 \$752 despite the revaluations, but the only way
55 to do that is to make sure that the revaluations
56 are regarded as accruals of themselves. They
57 must go through the income statement, in other
58 words. That is the clean surplus argument.

1
2 So here is a revaluation of \$500. That is
3 actually regarded as an income to the asset
4 owner. That \$500 must be treated as an income to
5 the asset owner, just like the depreciation is
6 treated as an expense to the asset owner. When
7 you do that and you follow the same logic through
8 to the second period, at the end we have to write
9 this asset down to its scrap value, which is
10 still only \$300. We have to write it down from
11 its depreciated value, which was \$840 at the end
12 of time two, to its final scrap value of \$300.

13
14 We have an asset writedown, a negative
15 revaluation of negative \$540 coming in there and
16 that also gets treated as income, in other words,
17 in the nature of income. So, in this case it is
18 a minus. The upward revaluation was a positive.

19
20 The period accruals are then, in aggregate,
21 \$100 here, including the revaluation, negative
22 \$1,020 there, including the writedown at the end
23 to residual value or scrap value, and if you
24 include those revaluations, the up and down one,
25 in the calculations, you still get the same
26 answer. There is a problem with revaluations,
27 but that is provided that they are actually
28 recognised as an accrual of themselves.

29
30 To do that, this has to be the tariff form.
31 It is a variation of what you have seen before.
32 If you want to achieve an NPV of zero at the WACC
33 and you want to allow for revaluations, then the
34 tariff must be the sum of not three terms - the
35 first three you have seen before - but a fourth
36 term must be included for revaluations.

37
38 So we have operating costs, opportunity cost
39 - that is the WACC - depreciation on the assets,
40 and, lastly, revaluations. If AGL, for example,
41 wanted to revalue its assets today by \$10, then
42 we must take \$10 off the allowable tariff to AGL
43 for that. Unless we do that, we are not locking
44 in an NPV of zero. We are actually allowing a
45 free lunch unless we do that. All asset
46 revaluations must be regarded as income,
47 otherwise we actually have violated our own
48 economic criterion of NPV=0.

49
50 To recap, we have said that we can achieve
51 an NPV of zero either under the cashflow route,
52 which we could have actually instituted in the
53 first case. Actually, IPART's method of looking
54 at sustainable revenues was a cashflow view of
55 the future. That is fine as a framework and that
56 is actually much more standard in finance; in
57 fact, it is the only thing that appears in
58 finance.

1
2 I know of very few finance people who know
3 of this reconciliation between accounting numbers
4 and cashflows; in fact, traditionally accounting
5 numbers are regarded as necessarily non-factual,
6 artifice, fabrication - anything. You make them
7 up to suit your argument.
8
9 As it turns out, at any point in time, that
10 is correct, but the aggregate of a stream of
11 accounting numbers, following our rules here - in
12 other words, if you start at cost and you get to
13 scrap value in the end - the aggregate of the
14 process in between is meaningful. It is just
15 that the individual step by step, any snapshot at
16 any time is unreliable.
17
18 In the end you can run, but you cannot hide,
19 though. The value must approach its termination
20 value sooner or later. It might just be later
21 rather than sooner if the accountants get their
22 way, because that is what happens. That is the
23 role of accountants. In fact, the academic view
24 of accountants is - the accepted view of
25 accountants is that they satisfy the market for
26 excuses.
27
28 There's a famous paper, actually written by
29 accountants turned economists. They recanted and
30 they said that accountants satisfy the market for
31 excuses. If you want to pay lower tax, you go to
32 an accountant for the excuses. If you want
33 higher asset valuation, you go to an accountant
34 for higher asset values. The accounting rhetoric
35 all the professional ethos, and so on, will be
36 harnessed to provide you the excuses for your
37 particular economics position.
38
39 With regard to DORCs, that is very much the
40 case. There is no true DORC. DORC is what you
41 want to make it. With an entity of AGL's size,
42 it is impossible to actually scrutinise at DORC
43 value. It is too big to pay for another valuer
44 to do it again and another one to do it again
45 after that. Besides, in the end, you would have
46 three different answers. Which is correct?
47 Well, none of them is correct, because there is
48 no true DORC.
49
50 If you look at DORC closely, it has
51 subjective and, in the end, arbitrary inputs.
52 DORC, to me, in this debate, is just one of the
53 excuses being provided for a standpoint of
54 particular vested interest. I feel I am making a
55 contribution just by saying that; afterwards, I
56 am out of it.
57
58 THE CHAIRMAN: Is that an excuse?

1
2 PROF JOHNSTONE: Thanks very much for allowing me to
3 go first. Last week I completely forgot a
4 lecture for 400 people. I have no goodwill left
5 there whatsoever, so I must be there today.
6
7 THE CHAIRMAN: Do you have a few minutes before you
8 rush off?
9
10 PROF JOHNSTONE: Yes.
11
12 THE CHAIRMAN: We received your paper just yesterday
13 or the day before. It obviously has some pretty
14 important issues in the search for a framework,
15 and that is an economist making an excuse. There
16 is one question that I have been assisted in
17 asking, as I sit stunned by your eloquent
18 presentation. I understand what you are saying
19 in terms of treating a revaluation as an income
20 to the asset owner, does that have an implication
21 for measurement of the WACC in real or nominal
22 terms? It includes income.
23
24 PROF JOHNSTONE: No. The formula of the WACC is a bit
25 exogenous; in other words, it is determined by
26 what is the appropriate rate of return on assets
27 of that risk, so it is a separate consideration.
28 The formula does not care what the WACC is.
29
30 THE CHAIRMAN: Whether it is real or not.
31
32 PROF JOHNSTONE: That's right. But one of the things
33 that the formula does say is that the argument
34 this morning that you can return opportunity
35 costs on ORC is completely unkosher, because that
36 violates the NPV=0 condition. The opportunity
37 cost must be determined on the depreciated value
38 of the asset, otherwise the NPV condition
39 mathematically will not be instilled.
40
41 THE CHAIRMAN: Maybe this is an obvious answer, but
42 your interpretation of NPV=0 is certainly
43 consistent with one interpretation of the code
44 which is really rent free, economics rent free.
45
46 PROF JOHNSTONE: Yes, that's it.
47
48 THE CHAIRMAN: What if, on another interpretation of
49 the code, you could have a positive NPV? You'd
50 just rework your calculations, your framework
51 around it?
52
53 PROF JOHNSTONE: That is contrary to the notion of
54 efficient to asset pricing. In other words, that
55 rents should not exist.
56
57 THE CHAIRMAN: So you would argue that rent free
58 should be zero?

1
2 PROF JOHNSTONE: Theoretically, that is correct, yes.
3
4 MR HEADBERRY: And that is really what we anticipated
5 in the code when we wrote it.
6
7 MR COX: Thank you. Just let me make sure I quite
8 understand what you are saying. You are saying
9 that if there were to be a service provider that
10 were to revalue its assets, whatever they
11 happened to be, to, let us say, their favourite
12 DORC, we should treat that revaluation as
13 income --
14
15 PROF JOHNSTONE: That's right.
16
17 MR COX: -- for purposes of deciding what is required
18 to achieve their weighted average cost of
19 capital?
20
21 PROF JOHNSTONE: But if you treat it as income and
22 then you pay a return on it thereafter, those two
23 effects cancel out and the NPV is still zero. It
24 is still a bit of a fudge, though, in that the
25 asset owner thinks, "This is a lovely pool to
26 have my money in. I want some more money in this
27 pool. I'll get it in there through a book entry
28 and I'll earn a rate of return on a bigger sum
29 thereafter".
30
31 Although the NPV is actually still zero, the
32 amount of money earning that NPV - in other
33 words, the amount of money earning the
34 mathematically internal rate of return in that
35 deal - is bigger. The pool is bigger so you are
36 earning the same percentage in a bigger pool. If
37 that percentage is seen as attractive, you want a
38 bigger pool in there.
39
40 MR COX: I suppose the question is whether your
41 proposed treatment is consistent with Australian
42 accounting standards or is there a problem in
43 terms of accounting standards?
44
45 PROF JOHNSTONE: Revaluations in accounting standards
46 have not always gone through the income
47 statement. That is, of course, under the market
48 for excuses argument.
49
50 MR COX: But it is not inconsistent with standards,
51 you are saying; it is just not required.
52
53 PROF JOHNSTONE: No. It is quite the opposite. The
54 spirit of the standards is that revaluations
55 should go through the income statement, but it is
56 just that they haven't, for obvious reasons.
57
58 MR COX: Is your position then that, providing we

1 recognise revaluations appropriately, the initial
2 capital base is a matter of indifference?
3
4 PROF JOHNSTONE: It is, except for the fact, as I said
5 a moment ago, the NPV at zero is unaffected, the
6 WACC is unaffected but the amount of the pool
7 earning that WACC is increased by a revaluation.
8 So if the only criterion is to set the NPV=0,
9 revaluations are neither here nor there so long
10 as you regard them as income.
11
12 If you want to make sure that the asset pool
13 earning this WACC is not inconsistent with what
14 efficient markets would provide, then you have to
15 prevent revaluations. In other words, suppose,
16 for example, a businessperson can identify a very
17 good earner but can only get \$1m into it, she or
18 he would love to get \$5m into it, but it is only
19 there for \$1m, in that case they would take it
20 for \$1m. What is happening here is a revaluation
21 would allow you to put the sum in you want to put
22 in. It's a book entry, of course; it is no
23 cashflow.
24
25 MR COX: So in a way we still have the issue of going
26 back to what is an appropriate cashflow to be
27 derived from these businesses. If you like, we
28 can play the accounting game, but we have to keep
29 our eyes on the cashflow game as well; is that
30 correct?
31
32 PROF JOHNSTONE: It becomes very subjective in the
33 end. What amount would an efficient market allow
34 AGL to have invested at this plant? I don't
35 think there will be an answer to that.
36
37 MR COX: So it still leaves us with a difficult issue
38 of judgment.
39
40 PROF JOHNSTONE: Except for the fact that if a
41 revaluation is proposed, it must be regarded as
42 income. You cannot have the revaluation for
43 nothing - that's the free lunch. If you want a
44 revaluation, more money in the pool, that must be
45 regarded as income in this period. So you get
46 less money now but you get more flowing later
47 from the fact that the pool has increased and the
48 two cancel each another out.
49
50 But the pool is getting bigger all the time,
51 which means that the future in front of consumers
52 in servicing this pool is getting longer and
53 longer. Really, the pool size should be running
54 down. As the asset value is economically
55 depreciated, the pool should be running down to
56 zero for existing assets; but, rather, we can
57 keep on topping the pool up by revaluations and
58 by other routes.

1
2 MR COX: Just me let make sure I understand that. The
3 pool is the amount of money the customer are
4 paying; is that right?
5
6 PROF JOHNSTONE: It is the rateable asset base,
7 basically. It is the rateable asset base, yes.
8
9 MR COX: The rateable asset base - that should be
10 diminishing through time?
11
12 PROF JOHNSTONE: It should be, because depreciation
13 would mean that it goes to zero. If you do not
14 buy any new assets, sooner or later those you
15 have will be worth nothing. It might take 100
16 years or 30 years, but it should be heading
17 towards nothing; otherwise, there is no such
18 thing as depreciation. These assets surely do
19 depreciate in any commonsense way; they do lose
20 value.
21
22 MR COX: What about the lower end of the range, the
23 depreciated actual cost, do you want to comment
24 on the appropriateness of that as a method of
25 asset valuation?
26
27 PROF JOHNSTONE: I am intrigued by the fact that
28 people give that a lot of significance because
29 economics tells us historical costs are always
30 irrelevant to every economic decision. So
31 anything you did in the past is unaffordable.
32 The proper decision model is to look forward and
33 make the best of where we are at.
34
35 The fact that DAC is seen as some sort of
36 natural lower bound is again, I think,
37 explainable by the fact that there has been no
38 theoretical framework to help people; it has just
39 been something we picked on and said, "Okay, that
40 is the lower bound". As we heard this morning,
41 it is not necessarily the lower bound.
42
43 MR COX: I guess I feel that I am a bit without a
44 compass with all of this.
45
46 PROF JOHNSTONE: Well, I was hoping to provide a
47 compass. To me, when I saw this reconciliation,
48 I felt that we could actually use, in a
49 meaningful way, these asset valuation terms.
50 "Meaningful" meaning that we could satisfy the
51 natural economic criterion of providing an NPV of
52 zero. If a regulator can have any economic
53 criterion to work by, that must be it, from all
54 the theory of economics and finance.
55
56 MR COX: I think I understand that and I understand
57 the point about revaluations. I am less clear
58 how we get from that to fixing an asset value

1 base, if indeed we have to do that, or I think we
2 are required to do that, I suppose.
3
4 PROF JOHNSTONE: One thing you might do is say, "Let
5 the market rule". If AGL or any other owner
6 wants a revaluation, they can have it, but it
7 must be regarded as income. That would be a
8 natural limit on this kind of thing, which would
9 mean that market conditions, in a sense, would
10 determine the size of the asset base for
11 themselves.
12
13 MR COX: I think that is a strong point. You also
14 mentioned this other point about the pool of
15 funds and having somehow to get that right and I
16 am not sure how you do that.
17
18 PROF JOHNSTONE: You just have to get the pool right
19 in the short term. I am saying that what is
20 really going on here is a proposal for a big
21 asset revaluation, and it has been on the books
22 since 1996 at least. That asset valuation
23 theoretically is okay as long as it is regarded
24 as income. Practically, it might not be okay
25 because it means that AGL can have a very large
26 sum notionally in this pool and earning this
27 WACC. The consumers have to pay the WACC, but on
28 a bigger pool therefore.
29
30 I see your point. You are asking what is
31 the appropriate pool size? I have not thought
32 about it, I'm just coming up with an answer for
33 that, but certainly calling revaluations income
34 would discourage rank abuse of the whole idea.
35
36 MR HEADBERRY: To pick up the point that is vexing
37 you, Jim, probably not quite uniquely, but
38 certainly quite unusually in the current market
39 we are in at the moment, with all of this
40 regulatory work we are doing, AGL does have a
41 book entry or a data entry or a history going
42 back 150 years or more. We can actually track
43 that through.
44
45 What happened in 1996 is effectively what
46 David was talking about. There was a revaluation
47 made at that time. Prior to 1996, when the New
48 South Wales Gas Council was setting tariffs, it
49 used the depreciated actual costs as its basis.
50 So you have a full history. Because AGL did
51 almost nothing until probably the 1970s or 1980s
52 other than supply gas in this market, it would
53 probably be quite easy to extract that
54 information. We say you do have the history to
55 be able to do the sums that you are grappling
56 with.
57
58 It was a lot more different in the Victorian

1 situation, when we went through that, because we
2 had exactly the same debate. The answer was:
3 "Well, we really do not know what we started
4 with. We do not know what we depreciated at
5 because the tariffs were always set on the basis
6 of: this is what the government thought was a
7 good number". So there was no way to be able to
8 balance the ins and outs and get a true
9 depreciation value or a revaluation that was
10 being done during the process. That is why the
11 regulator said, "We have no alternative,
12 effectively, but to use the DORC value at this
13 time".

14
15 But where we do have the full history and it
16 has been trackable, as it has been in the case of
17 AGL, we should actually follow Professor
18 Johnstone's process and use the history we have
19 and make those adjustments. Where there has been
20 a revaluation, we should actually write it out of
21 the tariff in the way he has suggested.

22
23 PROF JOHNSTONE: There is a big danger here in AGL's
24 case that did not exist in the Victorian
25 situation because there, if the income stream,
26 this tariff stream, defined artificially in terms
27 of asset values, book values, was too high, it
28 did not matter because the privateers were
29 bidding for that income stream. So there was
30 some compensation coming back into public
31 coffers.

32
33 In this case there is no bidding for an
34 income stream. We are just defining ones that
35 will exist thereafter. There is a distinct
36 possibility of a free lunch here in that, for the
37 sake of a book entry, the perpetual tariff stream
38 to AGL can be greatly enhanced - no money from
39 AGL.

40
41 MR COX: I been asked by an accountant to ask this
42 question. How should issues of residual value be
43 dealt with in NPV calculations of the sort that
44 you were talking about?

45
46 PROF JOHNSTONE: Does that mean scrap value? Is that
47 what you are saying?

48
49 MR COX: No, I think the point is normally if you are
50 doing NPV calculations in 20 or 30 years or
51 something --

52
53 PROF JOHNSTONE: I see what you mean.

54
55 MR COX: Normally the assets have some income
56 generating potential at the end of that period.

57
58 PROF JOHNSTONE: The standard procedure is to look

1 30 years into the future and ask: what is the PV
2 at time 30 of the remaining income stream?
3 Whatever that is goes in at 30 as if it were a
4 cashflow there. Of course, it is rank guess work
5 - it could only be that - and, therefore, it is
6 very hard to rely on. If a decision is hinging
7 on that guesswork, you would have to be worried.

8
9 MR COX: I think that's right.

10
11 THE CHAIRMAN: The only thing which I guess I am still
12 coming to grips with is if I understand the
13 "intellectual underpinnings" of the proponents
14 of the use of DORC or DAC for asset valuation
15 pricing purposes, they seem to be arguing that
16 that replicates the costs that would arise from
17 an efficient new entrant and therefore would give
18 an appropriate economic price signal. I hasten
19 to add that that is not a view I necessarily
20 share - I think it is well known it's a view I do
21 not share - but if that is a view and it is put,
22 how does that reconcile with --

23
24 PROF JOHNSTONE: This comes from work by Tobin,
25 Tobin's Q. In this case it is very hard. All I
26 have seen is two or three lines in various
27 proponent's documentation. There has been no
28 exposition of it in the case of a natural
29 monopoly. What is a new entrant? Will the new
30 entrant take half the market or take the whole
31 market? If we are talking competition, perhaps
32 we have to envisage a hypothetical of many
33 entrants.

34
35 Once we start to do this, I have thought
36 that far and given up in confusion. I am afraid
37 that is as far as I have gone with the Tobin's Q
38 thing. I think it has something to it, but I
39 also believe it is utterly overrated if it is
40 regarded as the reconciliation of pricing on
41 all --

42
43 THE CHAIRMAN: We might get you to help us to think
44 through some of those related issues.

45
46 PROF JOHNSTONE: Sure. The Tobin's Q is something I
47 was hoping you wouldn't raise, to tell you truth.

48
49 THE CHAIRMAN: I am surprised I did.

50
51 PROF JOHNSTONE: If it is sound economics, it has to
52 reconcile with what we did today.

53
54 THE CHAIRMAN: Yes, I understand that.

55
56 MR HEADBERRY: Just building up on the question a
57 little bit further, whenever in doubt, we should
58 go back to the real world. In the Victorian

1 asset sales, after setting the WACC and the DORC,
2 we are now going back and examining the
3 implications for the actual people who are
4 prepared to put their hands in their wallets and
5 take money out. It appears that we are actually
6 seeing the asset value has a lot greater value,
7 even more so than the DORC value, which is what
8 you would not expect to happen. If DORC is
9 correct, then you would expect people just to put
10 their hands in for the DORC value, and that is
11 something that we see as an important part of
12 benchmarking.
13
14 There is another matter that we have also
15 done some research on. Gutteridge Haskins &
16 Davey and others have done a revaluation of the
17 electricity assets for the New South Wales
18 Treasury. Sinclair Knight did the work in 1995.
19 GH&D and others did it in 1998. GH&D have come
20 up with a number across the whole of the group
21 that increased the asset value by about 33 per
22 cent; yet there has not been that sort of
23 investment. That is about \$2.5 billion of
24 increased assets.
25
26 When you look at the Victorian assets, GH&D
27 did the work for EPD for the Victorian assets and
28 Sinclair Knight did the check on behalf of the
29 Office of the Regulator General. In that case,
30 Sinclair Knight were 30 per cent higher than the
31 GH&D number. It seems to us that it all depends
32 on who you ask to do the work and what sort of
33 parameters you give them when they do the work
34 and they will come back with the answer you want
35 and say, "This is a true DORC number".
36
37 It certainly does not make you feel
38 comfortable that when you commission somebody to
39 do a detailed DORC analysis, they will get it
40 right because DORC really is totally subjective.
41 We have a great deal of concern about using DORC,
42 and this is why we asked David to go through the
43 issue. In fact his proposal washes out this
44 revaluation that comes out of getting DORC wrong.
45
46 PROF JOHNSTONE: Yes, that is true.
47
48 THE CHAIRMAN: Thank you very much, that was most
49 helpful.
50
51 MR HEADBERRY: We would like to thank Gas Advice for
52 giving up their slot.
53
54
55
56
57
58

1 GAS ADVICE
2
3 THE CHAIRMAN: We will now hear from Gas Advice with,
4 I believe, some representatives of some major
5 users. Would you please identify yourselves for
6 me for the record and we will proceed.
7
8 MR RANDALL: Thank you, Mr Chairman. I am Phil
9 Randall from Gas Advice. We have been working
10 with a group of major consumers and we put in a
11 joint submission last week. I have Allen Mawby
12 from ACI, on my left; Bob Grandridge from Capral
13 on my right; and seated in the front are Peter
14 Mahony from Austral Bricks; Grant Caldwell from
15 ACI; and Gratton Boote from Karl Aluminium.
16
17 THE CHAIRMAN: Thank you.
18
19 MR RANDALL: Nine companies were involved in this
20 submission. They represent over 10PJ of the New
21 South Wales market, therefore accounting for over
22 10 per cent of the gas consumed in the State.
23 They use gas at over 30 sites throughout the
24 State, but predominantly in the Sydney and Newcastle
25 region.
26
27 (Overhead: "Issues covered in Submission")
28
29 We focus almost entirely on the contract
30 market looking at the proposed methodology, the
31 areas that we consider require independent review
32 and the outcomes for particular users and sites.
33 We focus on the trunk section of the network. We
34 have not really looked at the country zones so we
35 cannot be quoted on that. We have provided a
36 number of specific examples of user sites and how
37 they are affected by this proposed access
38 arrangement. We have not provided any specific
39 comments on the tariff markets so our focus is
40 entirely on the contract area.
41
42 (Overhead: "Headline Conclusions")
43
44 With regard to our headline conclusions, the
45 proposed asset valuation and revenue base, we
46 believe is totally unsustainable. The
47 methodology being adopted is not sustainable. It
48 does not provide for a reasonable outcome for a
49 number of sites. What has been proposed and what
50 has been put on the table is vulnerable to
51 numerous bypass pipelines.
52
53 (Overhead: "Initial Capital Base/Asset Valuation")
54
55 I want to speak on the initial capital base
56 but only briefly in terms of the numbers that
57 have been put forward in the access arrangement.
58 I want to concentrate more on the issues that

1 should be taken into consideration in the asset
2 base.
3
4 I guess at first glance one feels somewhat
5 of a concern at what appears to be a massive
6 revaluation of assets from two or three years ago
7 both in terms of DORC, ORC and every other method
8 that is included in the access arrangement
9 information.

10
11 I think for comfort from the user's
12 perspective, it is nice to have AGL provide that
13 information, but it clearly needs to be
14 independently verified, so to the extent that
15 IPART or somebody else is doing that, that is
16 most important.

17
18 (Overhead: "Initial Capital Base")

19
20 In terms of the initial capital base, both
21 of the codes - the New South Wales and the
22 national code - refer to a range of issues for
23 which the regulators should have regard. The two
24 most important issues that I want to concentrate
25 on today are past user capital contributions and
26 the bypass pipeline potential.

27
28 They are specifically mentioned in the New
29 South Wales code. The national code refers to
30 bypass without specifically mentioning the user
31 capital contributions although there is a
32 complete section in the national code that talks
33 about going to an arbitrator to appeal and he
34 will take in the account past capital
35 contributions and some sort of return for any
36 past contributions in terms of how you calculate
37 the tariffs.

38
39 (Overhead: "Past Capital Contributions")

40
41 Past capital contributions were disregarded
42 in the previous IPART review. We had some
43 concern about comments that were made, which
44 included the comment to the effect that as any
45 recognition of the past capital contribution
46 would not be available to everybody, then it
47 cannot be classified as a reference tariff. We
48 think that is inconsistent with what is proposed
49 by the code because it specifically says that the
50 initial capital base will have regard to the
51 contribution.

52
53 It was not always clear that they were, in
54 fact, capital contributions. We believe there is
55 evidence to suggest there was and we would
56 recommend that IPART require AGL to provide
57 information on what capital contributions have
58 been made by different consumers.

1
2 (Overhead: "Past Capital Contributions")

3
4 In the AGL access arrangements, they make
5 the statement that the Tribunal did not require
6 capital contributions to be taken into account
7 last time and that they pointed out that the code
8 would not permit them to do so. We refute that
9 argument. We clearly believe that both codes,
10 regardless of which one you use, suggest that
11 they should be taken into account.

12
13 If we do not take into account capital
14 contributions made by others, essentially, AGL
15 Networks is asking to earn a return not only on
16 the assets paid for by users but also on inflated
17 valuation of those assets paid for by users. We
18 think that is a little bit - well, it is not an
19 equitable basis.

20
21 (Overhead: "User Example - Capral Aluminium")

22
23 Mr Chairman, you took a little bit of the
24 thunder when you asked a question of AGL in the
25 first session. The first user example I would
26 like to present today is in relation to Capral
27 Aluminium. Under the proposed access
28 arrangements on the postcode basis, Capral, at
29 their Kurri Kurri site, will be charged as
30 proposed 363/GJ MDQ. This represents the highest
31 local network charge for any major user in the
32 network. I talk about major user being above
33 400TJ or 500TJ. I would also point out that they
34 are currently paying \$535 a gigajoule.

35
36 Information has been put together by Capral
37 based on historical contract information. AGL
38 advised, at the time that the pipeline was going
39 through to Capral in 1984, that the cost of the
40 pipeline was \$3.6m. Capral made a 60 per cent
41 capital contribution, which equated to \$2.2m,
42 which was paid as a standing charge, initially
43 over 10 years, but it ended up being paid over 11
44 years. There was a slight readjustment for the
45 last few years. Essentially that past capital
46 contribution has gone all the way through to two
47 years ago. November 1996 was the last payment.

48
49 Under the \$363 per gigajoule local network
50 charge, that equates to approximately \$1m a year
51 that Capral are being asked to pay. Currently it
52 is getting close to \$1.5m. The obvious
53 conclusion from Capral's point of view is that
54 there seems to be a slight equity problem here,

55
56 AGL have argued in the last review and again
57 today that past capital contributions have been
58 straight to the bottom line. That is from an AGL

1 perspective. From a user perspective, they have
2 paid for a pipeline, so to argue that they are
3 going to pay \$1m a year for eternity for a
4 pipeline that only costs \$3.5m-odd in the first
5 place seems a bit over the top.

6
7 We have looked at supply to the Kurri Kurri
8 side from a bypass point of view. To build a
9 pipeline in today's terms would cost just over
10 \$3m. It would take a slightly more direct route
11 than going by Maitland, which is the current
12 supply route.

13
14 One of the outcomes of this valuation is
15 what methodology is being used. We are told it
16 is the ORC methodology. We are told you are
17 allocating assets depending on what part of the
18 system you use. I have not done the calculation,
19 but I would suggest it equates to more like a
20 \$15m valuation of the assets if you are looking
21 at an 8 per cent rate of return. The number
22 should be significantly below \$1m.

23
24 (Overhead: "Bypass Pipelines re Capital Base")

25
26 In terms of the capital base, if people are
27 building bypass pipelines, we believe it is not
28 just a failure of the service provider to
29 negotiate; it suggests incorrect asset valuation
30 and methodology and to some extent possibly even
31 regulatory failure, if, as determined under both
32 the codes, bypass valuations should be taken into
33 account.

34
35 AGL stated in their revised access
36 arrangement information that:

37
38 A DORC-based valuation should result in
39 a cost structure which is similar to,
40 though lower than, the cost structure
41 of potential bypass pipelines or
42 networks.

43
44 Based on the work that we have done, and we will
45 come to the detail in just a moment, clearly the
46 basis that has been adopted in no way serves to
47 achieve that outcome.

48
49 (Overhead: "Bypass Pipelines re Capital Base")

50
51 On this slide we are quoting from IPART
52 again. It is useful to use some of your prior
53 words. I think the last paragraph on that slide
54 is important. You said:

55
56 The number of commercial bypass options
57 put forward and negotiated will be an
58 important piece of information in

1 assessing the future sustainable
2 contract market revenues and asset
3 valuation.

4
5 (Overhead: Stand-Alone Methodology")

6
7 I will now move briefly on to the issue of
8 stand-alone methodology. As correctly pointed
9 out by IPART in its previous determination, users
10 prefer a fully distributed cost approach. It is
11 the best approach and a fairer approach than a
12 stand-alone contract methodology.

13
14 If I may just make an aside for one moment.
15 If the stand-alone methodology is based on ORC,
16 why is it not placed on DORC? There's a major
17 problem with that as well.

18
19 IPART, in its draft determination,
20 recognised that including the tariff market load
21 was a more optimal basis of allocating costs
22 between the tariff and the contract market, but
23 in the July determination, there seemed to be a
24 slight reversal of this position and a
25 questioning of whether that approach was fair or
26 not.

27
28 (Overhead: "Stand-Alone Methodology")

29
30 In terms of the stand-alone methodology, it
31 clearly disadvantages contract users in the areas
32 furthest away from the trunk or the primary main
33 and in areas of high tariff market concentration.
34 I guess the obvious example of that is
35 hospitals. We do not find too many hospitals in
36 high industrial zones.

37
38 I will quickly try to do a split of the
39 market forecast that was provided in the AGL
40 access arrangement, where, for the Sydney region
41 for 1998/99, the contract market is about 46PJ,
42 the tariff is 20PJ, and the total is 66PJ. That
43 is straight out of the access arrangement
44 information.

45
46 If one were to exclude the contract loads
47 that, in our view, are close to the primary main,
48 the trunk main or are serviced relatively close
49 to the trunk main but do not go into high tariff
50 areas, one could exclude at least 30PJ. We
51 think that somewhere between 10PJ and 15PJ could
52 be classified as being areas of high tariff
53 incidence. The pipes are being designed and
54 totally costed for those 10PJ to 15PJ of load
55 whereas in fact they are serving 35PJ of load.
56 Hospitals are a very good examples but there are
57 a number of other companies as well.

58

1 (Overhead: "Stand-Alone Asset Valuation")

2
3 I want to briefly draw comparisons between
4 the stand-alone replacement cost valuation that
5 was used in the 1997 access undertaking and what
6 is being proposed now. The asset valuation
7 overall for stand-alone has gone up by 39 per
8 cent.

9
10 It is interesting that, as was pointed out
11 by the Tribunal members earlier on in
12 questioning, the Sydney local network is going up
13 by 50 per cent from \$135m to \$202m. That clearly
14 needs some explaining. The other curious one,
15 and I have not even attempted to look at it, is
16 why Wollongong has gone from \$4m to \$14m.

17
18 (Overhead: "Contract Revenue Allocation")

19
20 In terms of the contract revenue allocation,
21 the trunk charges have come down substantially.
22 Overall, the revenue has come down by 16 per
23 cent. It has come down from the \$83m, which was
24 used as a base in calculations last time, to
25 \$70m. In that result, we would suggest that most
26 of the benefit seems to have gone to the
27 Newcastle users. We do not begrudge that, given
28 that they were paying such an exceedingly high
29 price last time, in any event. But in a lot of
30 cases in the Sydney region an advantage out of
31 trunk has been replaced by a disadvantage in
32 terms of the local network charge.

33
34 (Overhead: "Trunk Revenue Calculation")

35
36 We have a quick calculation. Looking at the
37 trunk revenue as proposed in the previous trunk
38 charges for the coastal and Wollongong area, they
39 were listed in the access arrangements as being
40 \$18.6m. If one multiplies the contract MDQs for
41 the particular areas - and those numbers came
42 from the previous access information - by the
43 trunk unit charge proposed, the revenue figures
44 look more like \$22m than \$18m. There may be an
45 anomaly there. I wanted to identify that.

46
47 (Overhead: "Proposed Tariff Charges for
48 Sites of Companies to this Submission")

49
50 In terms of the proposed tariff charges for
51 the Sydney region, of the 30 or so sites that are
52 represented by the nine companies in this
53 submission, 24 are in the Sydney region. I have
54 provided a weighted average cost here so that
55 they do not go to the individual companies in
56 this instance. The trunk unit charge had come
57 down 50 per cent, but the local network charge
58 had gone up 32 per cent. Given that the average

1 local network charge outweighs the trunk, there
2 are a number of sites which have higher costs.

3
4 The other point here is that compared with
5 the local network charge numbers for revenue that
6 AGL have presented - they said it was going to go
7 from \$36m in the '97 access undertaking up to
8 \$39m, which represented an increase of less than
9 \$3m and a 7 per cent increase - these 24 sites
10 alone, in a market of maybe 400 contract sites in
11 Sydney, have a 32 per cent increase, not a 7 per
12 cent increase, and they represent over \$1.5m of
13 what is supposedly a \$3m increase. Hopefully
14 someone is doing better than these companies.

15
16 (Overhead: "User Example - Barrett Burston")

17
18 In terms of a user examples, Barrett Burston
19 is a maltster. They have sites in most States.
20 They have sites in Victoria and they have one in
21 Thornleigh, which is north of the harbour. For
22 these particular sites versus the Thornleigh
23 sites, we can draw a very quick comparison of
24 pricing in Victoria as an outcome both in terms
25 of the current pricing and the proposed pricing
26 with post contestability coming into place in
27 Victoria next year. There is one number that
28 stands out and that is \$4.75, and that is based
29 on an 80 per cent load factor.

30
31 Okay, we can pay the \$4.01 and the \$4.02
32 throughput charge but, frankly, that figure of
33 \$4.75 stands out. It is exorbitant. These
34 numbers exclude the retail margin, so we are
35 doing a direct comparison. The cost of getting
36 gas essentially from Wilton - if you look at the
37 \$2.40, 88 cents and 12 cents, that gets you to
38 Wilton. That is \$3.40. You now add another
39 \$4.75 to get the last 60 kilometres.

40
41 (Overhead: "Bypass Pipeline Projection")

42
43 Over the last few months, Gas Advice has
44 undertaken a number of studies that look at
45 bypassing the existing AGL system. I point out
46 that part of the group that is represented in
47 this analysis were also party to submissions to
48 IPART in the previous review that related to
49 bypass of the Sydney system as well. That was
50 work completed by Gas and Fuel.

51
52 I have listed eight projects here. There
53 are others that are clearly sustainable, but
54 these are the major ones that I want to present
55 today. I am not going to go through all the
56 results of the individual sites to the individual
57 projects, they are included in our submission. I
58 do want to identify just a couple of the sites to

1 give an example.

2
3 (Overhead: "User Example - CSR Cecil Park")

4
5 CSR has a number of sites which fit
6 variously through those projects. Cecil Park
7 brick plant is currently paying a local network
8 charge of \$128 per gigajoule MDQ. Under the
9 proposed access arrangements it is going up to
10 \$250. This brick plant is about 600 metres from
11 the trunk main. It is supplied by a pipeline
12 which comes out of the Horsley Park PRS and comes
13 back down about six or eight kilometres. A
14 600-metre pipeline would suggest that you could
15 pay substantially less than \$250 per gigajoule of
16 MDQ - we put a figure of \$86 - and we would
17 suggest that is very much on the high side
18 because we have overcapitalised a system that
19 might be required to get gas out of the trunk
20 main if you want to do a hot tap of the existing
21 trunk main. We think that number should be
22 substantially lower and that is for supply out of
23 the trunk main for one site only.

24
25 As a broad rule of thumb, you could expect
26 to pay half a million dollars as a starting point
27 to get gas out of a trunk main. By the time you
28 do the hot tap, regulators, meters, heaters,
29 telemetry, et cetera, it is at least \$500,000 for
30 that alone. The extent to which you can add
31 additional sites to that sort of bypass load,
32 bringing together the number of loads helps to
33 actually improve the economics of bypass.

34
35 (Overhead: "Austral Bricks")

36
37 Austral Bricks has three brick plants all
38 located within probably three kilometres of the
39 Horsley Park TRS and PRS site. These plants all
40 use in the hundreds of terrajoules of gas. They
41 would all have separate MDQs. Under the current
42 rules each will have overruns, penalties
43 incurred, if any of the plants goes above their
44 stated MDQ.

45
46 These three plants are located very close to
47 each other. There is no system constraint issue
48 associated with those three plants. Two of them
49 are served off a pipeline - they are 400 metres
50 apart - while the other one is only a couple of
51 kilometres down the road. This is very good
52 example of where the ability to shift load and
53 capacity trade should be allowed, but under the
54 current arrangements, it can only be done if it
55 is negotiated.

56
57 Under the bypass work that has been done,
58 the current local network charge of 60 is now

1 being proposed as 84. Under the bypass
2 arrangements, we believe it should be 48.

3
4 (Overhead: "User example - ACI Glass Packaging")

5
6 The next example is ACI in Penrith. ACI are
7 one of the largest gas consumers in Sydney,
8 Penrith being about 23 kilometres from Horsley
9 Park. ACI are one of the companies who are
10 significantly disadvantaged under the proposed
11 access arrangements.

12
13 You may recall the pricing path approach
14 that was going to be taken in the last access
15 arrangements, where we started here and ended up
16 at the 84 and everyone paid transitional
17 pricing. I think most companies would have the
18 expectation that they would at least get down to
19 this lower level. In the case of ACI, that
20 hurdle has just been raised. ACI were involved
21 in the last hearings. Allen Mawby spoke last
22 time and basically said: "We are looking at
23 bypass, if we have to build it, we build it".
24 Allen is still saying the same thing.

25
26 All of a sudden the local network charge has
27 gone up to nearly \$300/GJ MDQ. A bypass price is
28 less than \$100. ACI have also advised that they
29 understand past capital contributions were made
30 to pay for the pipe out to the Penrith site in
31 the first place.

32
33 The other issue is that they have a
34 negotiated contract and a negotiated tariff,
35 which came as a result of the bypass work last
36 time. Under the current rules, that negotiated
37 tariff has to be renegotiated every time. There
38 is no certainty in terms of the long term for
39 pricing. If you have to go back to the table
40 every time you want to renew a contract, then you
41 have to put all the same arguments every time.

42
43 We think there is some need for the Tribunal
44 to set the rules now and make it quite clear if
45 bypass has been taken into consideration in
46 pricing, then it will last and there will be no
47 ability to reclaim the ground in, two, three or
48 five years time so that we have to start all this
49 again. If that will be the case, you may as well
50 build the pipes.

51
52 (Overhead: "User Example - Kaal Australia")

53
54 Another example is Kaal Australia. Kaal
55 Aluminium have an aluminium products plant at
56 Yennora. Again under the proposed access
57 arrangements, their local network charge has
58 increased this time by over 50 per cent. They

1 are supplied via a pipeline which comes from the
2 primary main. It goes from Horsley Park through
3 to Auburn - actually, the primary main goes along
4 the street on which Kaal Australia is located,
5 but it goes all the way to Auburn, which is
6 another five or six kilometres away, and then the
7 secondary system comes back and supplies Kaal.

8
9 Kaal are paying for a system they do not
10 really need. It does not take long to work out
11 that a 30-metre pipeline, direct supply out of a
12 primary main makes a lot more sense for Kaal,
13 particularly if the proposed tariff will increase
14 by another 50 or 60 per cent this time.

15
16 (Overhead: "Summary of Bypass Projects")
17

18 I want to summarise in aggregate the eight
19 bypass projects we have assessed. This is
20 detailed in the submission we made, but the
21 information provided in terms of capital costs
22 and the cost of the systems came from GCI. We
23 engaged GCI from Victoria. GCI Consulting is an
24 international arm of Gas and Fuel. GCI also do
25 all the transmission and distribution pricing and
26 costings for the Victorian system, so we believe
27 they are very reputable in terms of having a good
28 knowledge of what the prices should be.

29
30 For the aggregate of the eight projects, the
31 Capex costs are \$12.3m. We have annualised that
32 cost in terms of getting a rate of return. We
33 have used 8 per cent to provide an equivalent
34 rate of return to what AGL are proposing, but we
35 have done it over a 10-year period, which we
36 think is very conservative.

37
38 If you make it a 20-year period rather than
39 a 10-year period, you can take off probably
40 another 30 per cent of that annualised Capex
41 cost. You then add operating costs and some
42 other local charges where we want supply out of
43 existing AGL facilities, so it is partial bypass
44 rather than a full bypass, and the annual cost
45 for those sites is \$2.5m. Under the proposed
46 access arrangement, the local network charge for
47 those same 15 sites is \$6.3m, which is over 50
48 per cent of the Capex of projects to supply those
49 sites.

50
51 (Overhead: "Other Reference Charges Required")
52

53 In terms of what should be in the reference
54 charges, a number of items are missing from the
55 current access arrangement that we would prefer
56 to have in rather than out. We recognise that
57 there is always a potential to negotiate under a
58 negotiated service, but empirical evidence from a

1 number of users tends to suggest to me that that
2 can be a little bit difficult at times.

3
4 There is no reference anywhere in the access
5 arrangements to what will happen if and when the
6 eastern gas pipeline is constructed. If the
7 eastern gas pipeline comes into service at the
8 end of next year, which is what is currently
9 proposed, there is a potential that gas at
10 Horsley Park, which is part of the route that EGP
11 are taking, would want to get into the AGL
12 system.

13
14 There is no reference to injection charges.
15 There is talk about what is required for a
16 station. There is probably a legitimate case to
17 say if you want to inject and it means AGL will
18 have some operating costs or work on some
19 facilities, there may need to be some charges,
20 but there is no reference in there at the moment
21 to those charges.

22
23 There is no price given for partial use of
24 the trunk. One option we looked at is building a
25 bypass to Penrith coming out of Schofield, which
26 is further up the trunk from Horsley Park. If
27 AGL wanted to buy gas from the EGP, they would
28 still need to use part of the trunk.

29
30 At the moment there is a postage stamp
31 tariff, which will be \$35/GJ MDQ, whether you
32 were going from Wilton to Appin or Wilton to
33 Windsor. If you only want to use a couple of
34 kilometres of the pipe, is it fair that a postage
35 stamp tariff should be applied? I think the
36 answer would probably be no. We would want
37 included in the tariff numbers providing the
38 access arrangement a charge for partial use of the
39 trunk.

40
41 There is no reference to backhaul. I think
42 the Tribunal correctly suggested last time around
43 that there was no real case for backhaul. I
44 suggest that if EGP is going to happen, there is
45 a case for backhaul and that should be reviewed.

46
47 Next is the question of charges at the
48 outlet to the TRS and the PRS. This relates to
49 Horsley Park, Auburn, Flemington and all the
50 other PRS sites along the primary main, also
51 including the likes of Hexham. Those charges
52 were included in the previous access
53 arrangement. There is no reference to those
54 charges this time. If one were to look for a
55 charge, if you wanted to get gas out of the PRS
56 at Horsley Park, you would be paying the Horsley
57 Park tariff, which is \$80-odd. Previously it was
58 \$6.

1
2 There are no charges in the reference
3 tariffs for getting off the primary main. We had
4 the example of Kaal. There was a tariff last
5 time for coming out of Horsley Park or coming out
6 of Auburn, but what if you want to take gas
7 halfway through? Maybe there should be a pro
8 rata-ed number on the basis of kilometres used,
9 or something.

10
11 The throughput charge is a throughput charge
12 - a blanket number. We recognise that a lot of
13 companies will find that advantageous if they
14 have a dippy load factor; however, at \$4GJ, not
15 too many will use it. It is really only the last
16 1 per cent or 2 per cent, who are currently being
17 quoted the likes of \$1,375 of the local network
18 charge, who will consider it.

19
20 (Overhead: "Other Issues")
21

22 May I very briefly go through a couple of
23 the other issues. With regard to transitional
24 pricing, we are concerned that another three
25 years of transitional pricing is being proposed.
26 IPART has the ability to allow transitional
27 pricing. I may be putting words into AGL's
28 mouth, but the way that the network access
29 arrangement read, it almost said that they were
30 able to do it, or will do it - they may do it;
31 they will not necessarily do it.

32
33 Operating costs - the allocation for the
34 contract market has gone from \$21m in the last
35 access arrangement to \$28m. That seems a rather
36 large increase. Earlier on in your questioning
37 of AGL, you referenced the \$35m for marketing.
38 From a user perspective, it is probably more
39 appropriate that marketing is more likely to be
40 done by Retail rather than Network. We accept
41 that Network will want to do some marketing to
42 try to get greater use of their system, but there
43 is an issue for the Tribunal in terms of
44 allocation.

45
46 The term of reference service has been
47 stated as being for one year or two years; yet
48 the access arrangement covers five years. If
49 someone wanted to get the tariff for five years
50 and it is not a reference service, then it
51 becomes a negotiated service. We think that the
52 Tribunal needs to give some consideration to the
53 question of what is the tariff for terms other
54 than one or two years, and a reasonableness test
55 must apply.

56
57 If someone wants to get gas for six months
58 rather than for 12 months, do they pay the full

1 annual cost or does a reasonableness test
2 approach come into being where they might only
3 pay 50 per cent of the cost?

4
5 Metering contestability was something that
6 was listed last time as being something that
7 needed to be considered in terms of becoming
8 contestible. We would argue that that needs to
9 be the case.

10
11 (Overhead: "Other Issues")
12

13 The trading policy was included as a
14 reference service the last time with a 1.4
15 premium. This time it was included as a
16 negotiated service. We would prefer that it be
17 retained as a reference service, but again we
18 believe there should be no premium.

19
20 We have no problem with the contract
21 carriage model, but what would happen if AGL
22 Retail has booked all the capacity and, for
23 example, a user wants to change retailers? We
24 need to be sure that the answer is not, "I am
25 sorry, there is no capacity left. It has already
26 been booked." Unfortunately, this element of the
27 access arrangement has never been tested because,
28 in the last two years, no-one other than AGL has
29 been supplying gas into the market.

30
31 Demand forecasts - the Victorian example is
32 a good one because we are fairly close to it, but
33 a great deal of work was done on the verification
34 of the forecast being proposed by Energy Projects
35 Division and the individual companies. The
36 office of the Regulator General required a great
37 deal of analysis of those forecasts.

38
39 Somewhat cynically we put forward in the
40 submission one graph and a comment that simply
41 says that we are assuming zero net growth does
42 not really constitute a reasonable basis for
43 establishing the forecast. The answer may well
44 be there is no net growth, but we have to make
45 sure the basis is correct, because it does have
46 an impact on the tariff paid by customers.

47
48 The other issue is that the assumed contract
49 MDQ has been reduced in that period as well. It
50 was 314 in 1997 and in the access arrangement,
51 they suggested that, over the period of the five
52 years, it would go from 308 down to 297. I would
53 like to understand how that was established.

54
55 (Overhead: "Conclusion")
56

57 I know a number of people will talk in a
58 great more detail on the issues of the valuation

1 methodology and the numbers, but our conclusion
2 can be nothing other than what has been proposed
3 needs a major overhaul. The methodology is not
4 sustainable. The number of bypass projects
5 simply says that what is being proposed just does
6 not make sense. The revaluation needs
7 substantiation and we look forward to having
8 someone do an independent review of that. I am
9 presuming the Tribunal will be engaging someone
10 for that.
11
12 I guess the other issue is that this is
13 supposed to be implemented on 1 July, and you
14 spoke about the timing at the start of today.
15 From our perspective, take your time. This is
16 going to last for five years and it will set the
17 basis for future reviews. If it takes until the
18 end of this year, I would be more than happy with
19 that because, at the end of the day, the users
20 want an outcome that is reasonable. AGL has to
21 make a rate of return but it has to be fair for
22 the users as well. Thank you.
23
24 THE CHAIRMAN: Thank you very much for that
25 contribution. You have raised a number of
26 interesting issues. I want to focus on a couple.
27
28 MR RANDALL: If I may interrupt, the other gentleman
29 here are available to be questioned as well,
30 Mr Chairman.
31
32 THE CHAIRMAN: I appreciate that. On the capital
33 contributions point, so I can be clear on what
34 the proposal is, and there may be a differing
35 view, is your proposal that the overall initial
36 capital base, whatever that might ultimately be,
37 have regard to capital contributions in total but
38 that there not be a specific recognition in the
39 cascading down to individual contract customers
40 in their particular capital contributions? They
41 are quite different propositions.
42
43 MR RANDALL: I think, at the end of the day, you will
44 come up with a valuation of the system. In the
45 case of capital, if this part of the system is
46 being paid for by capital, then that part of the
47 system should not be valued at the full ORC or
48 DORC as the case may be.
49
50 THE CHAIRMAN: So you want them both?
51
52 MR RANDALL: The national code actually talks about
53 the ability for some sort of compensation for
54 having made those payments in the past as well.
55 I think, at the end of the day, the overall
56 valuation of the assets will be reduced by the
57 fact that you will not allow the service provider
58 to make a return on someone else's money.

1
2 THE CHAIRMAN: There is a difference. If you simply
3 knock it out of the overall capital base, then
4 you do your allocation, then you are cascading,
5 that would mean, for example in the case of the
6 aluminium business, that you will not get any
7 particular benefit; you will share the overall
8 benefit.
9
10 MR MAWBY: Firstly, I believe it has to be done on an
11 individual basis, on a company by company basis.
12
13 MR RANDALL: You are already allocating costs
14 according to what part of the system you use.
15
16 THE CHAIRMAN: I will come to that. Does anybody
17 else want to comment on that important difference
18 of approach? Again, it is something we will
19 explore. You have given some examples of bypass
20 and bypass opportunities which look to be \$6m-odd
21 and \$30m-odd. So it is a substantial part of the
22 contract part of the market. How much more
23 widespread, without necessarily going into
24 confidential information, are the opportunities
25 for bypass beyond both --
26
27 MR RANDALL: You can be sure we picked the main ones.
28
29 THE CHAIRMAN: I am sure you did.
30
31 MR RANDALL: But there are some others as well.
32
33 THE CHAIRMAN: It is interesting. To the extent,
34 certainly on the face of it, if we accept those
35 bypass figures and if we look at the use of
36 networks charges, the examples you gave are very
37 interesting compared with Victoria. That is a
38 consequence of the total dollars, the cost
39 allocations and the pricing methodology. Have
40 you been able to - and if not, are you able to -
41 show us sensitivities, perhaps not so much of the
42 total revenues, because that is fairly
43 straightforward, but quite interestingly in the
44 examples that you have given us, the
45 sensitivities to the different cost allocation
46 approaches and then the sensitivities to the
47 different pricing methodologies that follow the
48 molecule in the way that prices actually cascade
49 down. Is that something that you are actually
50 able to do or not because of the absence of
51 information?
52
53 MR RANDALL: I think the examples we give are specific
54 pipelines to specific sites. Those pipelines are
55 generally only serving one or a small number of
56 consumers. We did an allocation on the basis of
57 MDQ not dissimilar to what AGL would have done.
58

1 THE CHAIRMAN: Can you do it differently and show us?
2
3 MR RANDALL: You can do it any way you like. At the
4 end of the day, you have to do an allocation to
5 make sure that everyone is better off by it.
6
7 THE CHAIRMAN: I understand that. I am interested in
8 seeing where the sensitivities are in terms of
9 the different ways that the total pot of dollars
10 can be cascaded down - that is both the
11 allocation and the pricing structures.
12
13 MR RANDALL: The work that we have done relates
14 specifically to these particular bypasses not the
15 total system. I would not suggest for a moment
16 we are qualified to talk about the value of the
17 total system. I think there are people better
18 placed for that.
19
20 MR COX: Thank you very much for your submission and
21 presentation. Can I start off with a point of
22 clarification. On the table you showed which was
23 headed "Stand-alone asset valuation, optimised
24 contract stand-alone replacement cost", you had a
25 column headed "1997 access undertaking". I
26 understand that those estimates were done on a
27 DORC basis not on an ORC basis, so that might
28 explain some of the increase that appears on
29 that.
30
31 MR RANDALL: I am happy for the revised numbers for
32 this to be taken as DORC as well. I understand
33 from today that it is being used as ORC. For
34 example, the capital pipeline is now 15 years
35 old. I do not want it revalued at ORC; it should
36 be DORC.
37
38 MR COX: The question of what it should be is another
39 matter. Capital contributions - I understand
40 your arguments that we need to look at that again
41 and we will have a look at those arguments. I
42 understand you are saying that the information on
43 the amount of them is available for AGL, and I
44 guess we can follow it up. I am less clear as to
45 how you want it to be treated. Are you
46 suggesting that somehow the prices for individual
47 sites should take into account the past capital
48 contributions and, if so, how would that be done?
49 I just want to understand your position.
50
51 MR RANDALL: The quick answer is yes. I again go back
52 to the Capral example. If they are paying \$2m
53 towards a \$3.5m pipeline, essentially they are
54 being asked at the moment to pay, on the basis of
55 a replacement cost, \$1m a year. I cannot see any
56 other logic than to say they have already paid
57 for it. Why should they be paying through the
58 nose for it again? In this access arrangement,

1 they have paid \$1.5m for the last two years.
2 They have paid off the pipeline in two years.
3
4
5 The choices are fairly obvious for Capral:
6 get some recognition under this process, where
7 the previous pricing is reflected, or build it
8 again and pay for it again, or get someone to
9 build it for them. There are a number of
10 companies who are very interested in building
11 pipelines in this State. It would seem rather
12 strange to Capral that they would have to pay for
13 it a second time.
14
15 At the end of the day, the outcome from
16 building a new system would cost them less than
17 half of what is currently being proposed. If
18 Capral have a view that their site will be
19 operating for 20 years rather than 10 and want to
20 make it pay off over a 20-year period rather than
21 a 10-year period, then it will be a third of what
22 is currently being proposed.
23
24 MR COX: On the bypass, I want to understand how the
25 situation arises more than anything else. The
26 way you were talking about it, it seems to be the
27 case that these customers were close to the trunk
28 line. At the moment they are being served
29 through the local system and they pick up a
30 spread across the local system charge because
31 they do that. But they can build a pipe cheaply
32 to the trunk line at much less cost - that seems
33 to be the situation that you described. I would
34 like to check if that is generally the case and I
35 would be interested in knowing, if you can tell
36 me about it, the extent to which their situation
37 is already recognised in the price they are
38 getting from AGL at the moment.
39
40 MR MAWBY: I can answer on behalf of Penrith and the
41 plants at Penrith. We are about 22 or 23
42 kilometres from the trunk line. I guess we are
43 by far the major user at Penrith. Under the AGL
44 undertaking last time and this time, with capital
45 on a stand-alone basis, obviously that capital
46 value has to be too high, if we can deliver gas
47 off the trunk into Penrith at a much lower price
48 than AGL seem to be able to do.
49
50 There has to be something wrong with the
51 capital value under the last undertaking and this
52 undertaking, because it is extraordinary that
53 these bypass costs work out to be so much lower
54 than the prices that AGL want to charge us
55 through the undertaking.
56
57 The second answer to your question is we are
58 paying less than the tariff, but I am not allowed

1 to say how much less for commercial reasons.
2
3 MR COX: Sure.
4
5 MR MAWBY: But the bypasses we did last time had a
6 significant influence to play in applying a
7 negotiated price.
8
9 MR RANDALL: Without breaking the confidence of
10 Mr Mawby here, because we will not talk exact
11 numbers, the local Network charge for ACI is
12 between \$1m and \$2m. To build a system out to
13 his plant at Penrith would cost between \$4m and
14 \$5m.
15
16 MR COX: I think the secretariat would be interested
17 in following up the costings of the bypass
18 opportunities, if you are able to do that.
19
20 MR RANDALL: In preparing the submission, I had
21 previously spoken with Garry Drysdale and
22 Elsie Choy and suggested we would provide a
23 detailed report on the bypass studies on a
24 confidential basis. They requested the maximum
25 amount of information that we were prepared to
26 put in the public domain, so we prepared the
27 public submission first. We will follow up in
28 due course by providing detailed reports on the
29 bypass studies.
30
31 MR COX: Thank you very much for that. You raised the
32 issue about what should be in reference tariffs
33 and what is negotiated. You obviously thought
34 much more should be in a reference tariff than is
35 the case at the moment. Can you give any guides
36 to the Tribunal as to what should be reference
37 tariffs and what should be negotiated? How do we
38 decide that question?
39
40 MR RANDALL: I think the decision is on the basis of
41 what we realistically assume people will want to
42 use. Based on the information we have tried to
43 put here, we have listed probably half a dozen
44 things that we think will legitimately be used in
45 the next five years. Two years ago, I guess one
46 did not expect there would be too many changes,
47 but this is setting the framework for the next
48 five years. As we sit here today, things will be
49 a lot different in five years time. A lot of
50 things will happen.
51
52 There will be more than one retailer in the
53 market in New South Wales. There will finally be
54 the opportunity for people to move gas in,
55 whether it be via the interconnect, out of the
56 Cooper Basin, or out of the EGP. So a lot of
57 different companies will want a lot of different
58 things out of this system.

1
2 At the moment the system is pretty well
3 tailored for the existing arrangements, if you
4 like, in terms of AGL Networks and AGL Retail,
5 but more opportunities for different people will
6 come in. There is no point building bypass
7 pipelines if you do not have any gas. If people
8 have some gas and want to move some gas in the
9 system, then there is potential and these bypass
10 pipelines will be built.
11
12 In theory there should be gas flowing into
13 New South Wales now. We might have a slight
14 supply problem coming out of Victoria at the
15 moment, but we do have a potential now of other
16 suppliers moving gas out of the Cooper Basin.
17
18 THE CHAIRMAN: These bypass risks are in some sense
19 accommodated both through the provisions of the
20 code and the arrangement and the commercial
21 reality. I might say, playing devil's advocate,
22 at the end of the day, there will not be the
23 bypass because you'll negotiate a price; it will
24 be a negotiated tariff with network. That may or
25 may not flow through to others, depending on how
26 that is accommodated in the next review period in
27 terms of prudent discounts and so on. Why should
28 we be so excited?
29
30 MR MAWBY: I will make two comments on that. You
31 talk about negotiating with AGL. That has been
32 raised on a number of occasions today. It is a
33 bit like banging your head against a brick wall.
34 After a time, you get fed up with banging your
35 head against a brick wall.
36
37 Secondly, you require some certainty going
38 forward that you will be able to use the
39 alternative energy sources or gas sources or gas
40 supplies that enter New South Wales; whether it
41 be from the Cooper Basin or Victoria or anywhere
42 else, we need to have access to the gas pipeline,
43 et cetera. If we are to achieve that certainty
44 going forward, knowing we will get supply at a
45 reasonable price to our plants, then we will
46 build a bypass. We can borrow money at under
47 6 per cent at the moment. Why the hell should we
48 pay 8 per cent real return to AGL? It is crazy.
49
50 THE CHAIRMAN: Thank you very much indeed, I think
51 that has been most helpful.
52
53 MR MAWBY: May I make another point, please. The
54 fact that the forecast is for no growth in the
55 contract market is a sad indictment upon AGL and
56 their marketing - obviously they are very
57 effective in growing the market.
58

1 We produce glass bottles in all mainland
2 States in Australia. We have some choice as to
3 where we produce those glass bottles. At the
4 moment, we are investing \$65m on a new furnace in
5 Adelaide. It was not the only factor but the
6 price of gas is a lot lower in Adelaide than it
7 is Penrith. If the price of gas in New South
8 Wales were more competitive, there would be more
9 opportunities for industries which use a lot of
10 gas to move into New South Wales.
11
12 THE CHAIRMAN: Though, presumably, the gas that you
13 use in Penrith comes from South Australia, so
14 there is a transport cost.
15
16 MR MAWBY: It certainly does - same gas.
17
18 THE CHAIRMAN: Thank you very much. We will break now
19 until 2.15pm.
20
21 (Luncheon adjournment)
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1 PIAC/NCOSS
2
3
4 THE CHAIRMAN: We will resume the public hearing.
5 Would you introduce yourselves, please, for the
6 record.
7
8 MR S RIX: My name is Stephen Rix. I am the principal
9 policy officer for the Public Interest Advocacy
10 Centre.
11
12 MS T BENSON: My name is Trish Benson. I am the
13 senior policy officer at the Public Interest
14 Advocacy Centre.
15
16 MS K LEE: My name is Kate Lee, from the NSW Council
17 of Social Service.
18
19 MR RIX: There are a number of matters that we want
20 to present to the Tribunal today. The first of
21 those is to provide a brief outline of PIAC,
22 which I understand will be more advantageous to
23 the audience than to yourselves. Some topics in
24 respect of the actual inquiry that we want to
25 deal with are the information provision by AGL,
26 cross-subsidisation, retail competition,
27 operations, marketing and administrative costs
28 and Kate Lee will deal with low income and
29 affordability issues.
30
31 The Public Interest Advocacy Centre is a
32 community legal centre, and the utility consumers
33 advocacy program is a project of the Public
34 Interest Advocacy Centre. It is funded by the
35 NSW government to provide an independent
36 consumers voice in the utilities market.
37
38 Activities that we undertake include
39 resourcing of community representatives, consumer
40 representatives, involvement in information and
41 capacity development, particularly among
42 community and consumer reps, and as part of that
43 we run conferences, seminars, and also distribute
44 a newsletter.
45
46 We have representative reference group made
47 up of a number of organisations from the consumer
48 and community centres. We are also directly
49 involved in advocacy on behalf of community and
50 consumer interests. For example, we have a
51 member on the AGL customer council.
52
53 Having provided that brief introduction to
54 PIAC, I will pass over to Ms Benson to discuss
55 information provision by AGL.
56
57 MS BENSON: I was pleased, Professor Parry, that you
58 raised the issue of information provision by AGL

1 this morning. From PIAC's point of view, the
2 information that AGL has provided lacks detailed
3 information on how to make judgments on the
4 proposal which will actually affect residential
5 consumers. I think that statement forms the
6 basis of our submission. As it was extremely
7 difficult to elicit from the documents even
8 accurate figures for example of the value of the
9 DORC.

10
11 The document also does not, in PIAC's view,
12 contain coherent arguments for many of the
13 propositions that AGL makes. There are a number
14 of examples that we have provided in our
15 submission which outline the above claims. I
16 suppose at the very least AGL needs to provide
17 detailed information to enable consumer and
18 community organisations to ascertain how their
19 proposals will affect residential consumers.

20
21 Briefly I would like to talk about the
22 cross-subsidy that AGL maintains still exists
23 between the contract and the residential market.
24 As a quick overview, the information fails to
25 provide evidence, we believe, for the continuance
26 of a cross-subsidy between the contract and
27 tariff markets.

28
29 We want to highlight four points that were
30 not taken into account by the AGL information,
31 which are also highlighted in our submission.
32 The first is the increase to growth in the tariff
33 market and how this impacts on the price increases
34 over five years.

35
36 The number of tariff customers requires a
37 guarantee of the revenue needed to eliminate the
38 cross-subsidy. AGL has worked out, as an
39 average, the increase to bills. However, the
40 revenue part could mean that there is significant
41 price increases in some years for residential
42 consumers. That is, they could be subjected to
43 substantial price shocks.

44
45 There is also no forecasting in the
46 information for loss of tariff customers after
47 the introduction of contestability in July 2000.
48 I would also like to make a general comment that
49 there is very little information provided by AGL
50 about the impact of retail contestability on
51 their business. We also don't believe that such
52 forecasting is difficult, given the experience in
53 both the UK and the US. I would like to hand it
54 back to Steve Rix who talk about retail
55 contestability.

56
57 MR RIX: In respect of full retail contestability,
58 which is due to be introduced in a little over 12

1 months, the fact of the matter is that the price
2 regime which IPART administers will establish the
3 base from which future pricing decisions will be
4 made, either by regulators such as yourselves or
5 by market participants. It will establish the
6 base level. This is an important, even if or
7 when full retail contestability is introduced. I
8 have deliberately used the word if.

9
10 At present consumers are largely unaware of
11 these developments. That is our experience as
12 PIAC and it is our experience through the utility
13 consumers advocacy program, and also through the
14 links that we have with other organisations in our
15 reference group.

16
17 This lack of awareness was brought most
18 glaringly to our attention at a seminar which we
19 organised for customer council members of
20 electricity, water and gas - all three - in
21 February this year. It became obvious to us that
22 the lack of information which consumers have
23 about market developments permits politicians and
24 others to claim credit for things which are
25 already in place, or to have part of their
26 policies based on incorrect information and, in
27 particular, and while it refers specifically to
28 the electricity industry, I'm sure it would occur
29 in other industries as well. There was one party
30 which argued that they will ensure price
31 reductions through the introduction of full
32 competition, which had already been decided some
33 years ago, and their characterisation of the
34 energy industry ombudsman in NSW, which AGL has
35 not yet joined, was also incorrect.

36
37 This led us to make two recommendations. In
38 brief, they were that IPART recommend that a
39 community education campaign be introduced prior
40 to the introduction of full retail
41 contestability, and we have made no
42 recommendation about who should pay. We simply
43 know that it shouldn't be us. Whether the
44 industry pays for it, the government pays for it
45 or the regulator pays for it, it is essential
46 that that occurs. Second, for customers who
47 remain linked to a monopoly supplier in one way
48 or another, even after the introduction of full
49 retail competition, price regulation should be
50 maintained.

51
52 In conclusion, we have noted in our
53 submission a number of areas where PIAC needs to
54 do further investigation and obtain further
55 information, and indeed talk to a lot more
56 people. We will be providing that over the next
57 few weeks or months.

58

1 MS BENSON: Could I add something to what Steve Rix
2 said about the public information campaign. It
3 would seem to me - and it is documented in our
4 submission - that we need to look at people who
5 have different information needs: older people,
6 people with a disability, and people from a
7 non-English speaking background. I thought I
8 should add that because it is important.

9
10 I want to speak about two issues before I
11 hand over to Kate. I was pleased again,
12 Dr Parry, that you raised the issue about the
13 administration of general costs and marketing
14 costs with AGL this morning. It is our belief
15 that administration and general costs are
16 unreasonably high. I would like to reiterate
17 that AGL's cost per customer for administration
18 in general exceeds the Victorian average by over
19 \$20 per customer, and their costs for marketing
20 exceeds the Victorian average by over \$40 per
21 customer.

22
23 I would like to add an extra point made this
24 morning about marketing. AGL in 1988 spent
25 \$35.7m on marketing. I am not convinced of the
26 argument that is AGL put in its submission this
27 morning about advertising in markets that have
28 warmer climates basically. It is our
29 understanding - and I could be corrected - that
30 those figures actually only apply to their
31 network business. I am at a bit of a loss about
32 such a high figure. Unless things are ring
33 fenced reasonably well, it is our understanding
34 that the marketing costs should just apply to the
35 network business.

36
37 The one thing that we haven't covered in our
38 submission is the issue of trigger mechanisms or
39 the length of the determination by IPART. This
40 is just an initial response to a question that
41 was raised with me. There is an issue of
42 actually having a shorter determination, or
43 having a trigger mechanism which basically shares
44 the benefits if there is any increase in the
45 volume of gas carried.

46
47 At this stage PIAC, I think, favours having
48 a shorter determination. I think we have three
49 reasons for that. This, I would like to say, is
50 still preliminary. On the provision of AGL
51 information - and it is what I can only describe
52 as having significant deficiencies - no-one yet
53 has mentioned, as far as I know, the eastern
54 pipeline and how this will affect AGL's
55 business. The third one is the introduction of
56 retail contestability and how that will affect
57 AGL's business. Kate will talk about
58 affordability issues.

1
2 MS LEE: NCOSS is the peak body for social and
3 community services in NSW representing the
4 interests of low income people and communities.
5 We have already submitted to the inquiry, and you
6 have our written statement, that in the main we
7 support the argument put by PIAC today in their
8 submission. I will briefly emphasise some of the
9 affordability issues that we see for lower income
10 people in NSW, and increasing evidence of the
11 rising need for assistance and rising increase in
12 affordability of living costs in this state.

13
14 While that may seem a bit removed from a gas
15 inquiry, it is an opportunity to cover the crisis
16 many people are facing in meeting basic living
17 costs of which utility costs are one. There are
18 over one million income low income earners in NSW
19 and many live in or near poverty. The evidence
20 that we have of increasing need amongst low
21 income and disadvantaged people is - and I will
22 highlight a few key areas - that in November 1998
23 the Australian Council of Social Services
24 released its "Living on the Edge" survey which
25 demonstrated that there was an increased demand
26 for community welfare services amongst
27 65 per cent of the agencies that were surveyed.

28
29 The main reasons cited for the increase
30 demand was an increased level of need, and more
31 complex problems affecting clients of services.
32 You will be aware that many people seek cash
33 assistance from welfare services for payment of
34 utilities bills. Although in NSW assistance for
35 gas bills is not yet available, 4 per cent of
36 services are turning away increased numbers of
37 low income people without being able to offer any
38 assistance at all.

39
40 In 1998, an evaluation in NSW of a program
41 called the SAP program, which funds refugees and
42 medium term accommodation for homeless people,
43 indicated that 27,000 excluding children, were
44 turned away from those services in 1996-97 in
45 NSW.

46
47 This is largely to do with the crisis in
48 availability of affordable housing in this state,
49 particularly in Sydney but also in the rest of
50 NSW. Housing inaffordability has doubled for low
51 income households in the last 10 years.

52
53 We now see waiting lists for public housing
54 at 96,000 in NSW, and in the private rental
55 market we see increased inaffordability in that
56 market as well, particularly in relation to an
57 increased demand for rent assistance, which is
58 the direct payment by the Commonwealth government

1 to individuals to help pay private rental, and
2 also those people in receipt of that assistance
3 are now paying 45 per cent of their income in
4 rent, and 30 per cent is considered the benchmark
5 at which housing stress occurs. This is
6 increasing considerably amongst low income people
7 in the state.

8
9 Specific to utilities, the Smith Family last
10 year surveyed its client base in late 1998 and
11 they found that 75 per cent of their clients
12 indicated that they don't have enough money to
13 pay for electricity gas and water bills. This
14 was the highest ranking issue in both
15 metropolitan and country areas of NSW. So I have
16 just highlighted two indicators of the increasing
17 inability of low income people to meet the
18 increased costs.

19
20 Generally, our organisation would take the
21 view that IPART would need to take some of those
22 broader issues into consideration when looking at
23 whether, as AGL indicated in their revised access
24 arrangement, the "household sector" can sustain
25 price increases. We don't believe this holds
26 true for low income people. In the absence of
27 any mechanism at present to separate low income
28 households and buffer them from price increases,
29 we maintain that additional price increases in
30 gas will increase the burden of the cost of
31 living for low income people in NSW.

32
33 It is becoming increasingly evident to us
34 that the industry does not know enough about its
35 customer base in order to make these distinctions
36 in the tariff market. We would encourage IPART
37 to do some work here and also fund the community
38 sector to undertake some joint projects,
39 possibly, with industry as well.

40
41 THE CHAIRMAN: Thank you very much for that and thank
42 you for your submissions. I think we also would
43 like to thank the community groups for being
44 involved in this process, which does help us see
45 some other perspectives. That is useful.

46
47 One of the difficult issues we keep coming
48 back to is, once we have formed a view about an
49 appropriate pot of dollars, which in itself has
50 some twists and turns, is the cost allocations
51 and the cascading of the recovery of those
52 dollars between the different parts of the
53 market. That clearly is of potential importance
54 and interest to those groups that you represent.

55
56 In your submission you expressed some views
57 with respect to the issue of fully distributed
58 costs allocation, as opposed to the stand-alone

1 costs allocation, and other angels-on-pinheads,
2 debate, but it is important. I wonder if you
3 want to on this occasion perhaps elaborate a
4 little on your thinking about costs allocation
5 methodologies with respect to impacts on the
6 tariff or the household. It also includes the
7 small VIC.

8
9 MR RIX: What we talked about was the move to fully
10 distributed costs, but we also added a rider on
11 that, which was upstream and downstream. In
12 other words, those people who use the
13 transmission network as a means of transporting a
14 product, which they sell on to an end user,
15 should also be required to pay some of the costs
16 of that transmission network.

17
18 I think we used pretty much the same sort of
19 argument about the electricity industry and the
20 distribution of costs to generators. This is an
21 argument that is very similar. We then went on
22 to say that after a certain point, which we have
23 suggested IPART determine, the communal or
24 postage stamp pricing would be applied for equity
25 and environmental reasons.

26
27 It is possible for us to go back and provide
28 you with more information on the recommendation
29 that we have made which we would be quite happy
30 to do if you should require that, but I just want
31 to point out that we did talk about distributing
32 costs upstream as well as downstream, and that we
33 do talk about the application of a communal or
34 postage stamp pricing after a certain point.

35
36 MS BENSON: I think we are working on a benefits
37 principle, that everybody in the network benefits
38 from use.

39
40 THE CHAIRMAN: But how you allocate or determine
41 those benefits is the tricky part.

42
43 MS BENSON: Yes.

44
45 THE CHAIRMAN: We will take you and others up on that
46 important issue. You have preempted my second
47 question, which was postalised pricing. You
48 probably have already answered it by saying that
49 you would like IPART to determine at what point
50 you cut into that. The proposal before us is a
51 move to an even greater postalisation. Is that
52 something that you have a view on, to treat all
53 of NSW as one?

54
55 MS BENSON: I think we need to take that on board and
56 provide you with more information.

57
58 THE CHAIRMAN: Another issue that you have raised -

1 and it is one that is not confined to gas, it
2 goes to electricity - is the question of
3 contestability and competition. There certainly
4 are - and I must confess I don't recall what is
5 yet public and what is not yet public, costs
6 associated with contestability - capital costs
7 and other costs. There will be some costs
8 subject to regulatory scrutiny associated with
9 the ability to choose a gas supply. Do you have
10 a view about the appropriateness of incurring and
11 passing those costs through to customers,
12 including customers in the tariff part of the
13 market, so that they may have the delights of
14 being able to choose their retail supplier.

15
16 MR RIX: I am glad it is you who have described it as
17 the delights of being able to choose the
18 supplier. The question of contestability and who
19 bears the cost of introducing contestability, as
20 you have pointed out, is an issue not just for
21 gas but is also an issue for electricity, and may
22 in fact be more of an issue for electricity in
23 some respects than it is for gas, because of the
24 metering situation, although the issue also does
25 arise a little for gas I think in terms of the
26 quality of the gas that is provided at any given
27 point in time. I would have to check that a bit
28 more closely.

29
30 The issue is who are the beneficiaries of
31 contestability, and who therefore should bear the
32 cost of the introduction of a contestability
33 market. Contestability is one of those things
34 which is claimed to be of significant advantage
35 to end use customers, particularly residential
36 customers. My understanding of the international
37 situation is that in most jurisdictions there has
38 been a very low take-up rate by residential
39 consumers of energy products, except in the case
40 of gas in the UK. I think that there are some
41 specific circumstances which go to explain that
42 situation.

43
44 So the question is, then, if consumers
45 internationally are showing a marked reluctance
46 to take part in the market, who is the getting
47 the benefits of creating a contestable market?
48 The answer would have to be two other groups. If
49 it is not residential consumers, in fact it is
50 three other groups. If it is not residential
51 consumers, who is it? It is the contract market,
52 it is the network provider who has the advantage
53 of shifting gas more than one supplier, and it is
54 also the suppliers of gas at the well head, if
55 you like. That's a term I use.

56
57 In that situation, the bulk of the costs of
58 the introduction of a contestable market should

1 be borne by those who get the most advantage. If
2 you want to drive the benefits down to the
3 residential consumers, then the issue of cost
4 allocation is an interesting one, and you have
5 raised it. But the question is, how do you make
6 it desirable for residential consumers to take
7 part in a competitive market? That should be the
8 primary concern of all those who are actually
9 advocating a contestable market. How do you make
10 it desirable? If it needs to be made desirable
11 for residential consumers to actually join in a
12 competitive market, then those who are arguing
13 for its desirability surely should be those who
14 bear the cost.

15
16 THE CHAIRMAN: But, if I understand you correctly,
17 you are extending beneficiaries' concepts of cost
18 allocation right through, including the cost of
19 contestability.

20
21 MR RIX: Yes, but we are saying, who are the primary
22 beneficiaries in the case of contestability, and,
23 as I have said, the fact that residential
24 consumers internationally appear, from our
25 knowledge, to show a marked reluctance to enter
26 the market, it is not residential consumers who
27 in the first instance get the benefit; it is
28 others in the market.

29
30 THE CHAIRMAN: Finally from me, you have raised an
31 interesting issue, that is one of triggers which
32 the code - to the extent I understand the code -
33 does allow. I don't think there have been a lot
34 of submissions on triggers, but it is clearly an
35 issue that we have potential interest in. You
36 see triggers as perhaps a substitute to the
37 length of a determination. I think you mention
38 volume benefits as one potential trigger. Again,
39 it may be something that you want to take on
40 notice, and perhaps others may want to take on
41 notice. Do you have other thoughts about what
42 triggers may be appropriate, I guess always
43 bearing in mind the reluctance to have too many
44 things in there which perhaps make a
45 determination, or a period in which an access
46 undertaking is in force, potentially meaningless
47 if you have lots of figures. Do you have any
48 other thoughts on that?

49
50 MS BENSON: Not at this stage. When I was saying the
51 three reasons why we were preferring a shortened
52 determination, it would seem to me that it is not
53 only increases but it could also be decreases in
54 volume, especially around the eastern pipeline,
55 so that could well be an issue. We can get back
56 to you on that.

57
58 THE CHAIRMAN: I think we would like to have that on

1 the table as well.

2

3 MR COX: Thank you very much for your submission and
4 presentation. I guess I am rather uneasily aware
5 that you are one of the very few groups appearing
6 before us that will speak on behalf of
7 residential customers. It is not entirely clear,
8 but it looks as though our proposal is for
9 increases in tariff market prices in general,
10 network prices, which would naturally flow
11 through to increased prices for residential
12 customers, one would imagine. It is not entirely
13 clear. I guess that is something we have to
14 grapple with. I guess what I would like to hear
15 you speak on a little more is, to what extent a
16 price increase is acceptable to residential
17 customers, both customers in general and also, in
18 particular, those with low incomes.

19

20 MS LEE: From our point of view, as I have indicated,
21 in terms of speaking specifically about low
22 income people, price rises will impact enormously
23 given the huge range of affordability issues in
24 housing, in a whole range of Commonwealth
25 government cut backs, in employment assistance,
26 for instance. The difficulty is in separating
27 those people out from the main group in terms of
28 being able to buffer them effectively. It may be
29 arguable that other parts of the residential
30 market can sustain increases but, from our point
31 of view, low income people cannot. There are
32 very few mechanisms in place to support their
33 capacity to pay increased prices. They are not
34 there. The basic concessional voucher
35 arrangement that exists for electricity only goes
36 a fraction towards their costs. So it is not
37 there for low income people.

38

39 MS BENSON: I would like to go back to AGL's
40 rationale for having proposed price increases in
41 the tariff market. They are saying there is a
42 cross-subsidy.

43

44 MR COX: That may or may not be so.

45

46 MS BENSON: If you say that there is no
47 cross-subsidy, you then have to say there should
48 be no tariff increases. That's our point. I
49 think we have said in our submission, but it was
50 brought home to me this morning, that AGL keeps
51 saying that the tariff market is profitable. I
52 am an armchair economist and I fail to understand
53 that, if you have a profitable tariff market,
54 they are not paying their way. They may not be
55 paying their way as much as some people would
56 like, but that implies to me that there is no
57 cross-subsidy. I just wanted to make that point.

58

1 MR COX: Suppose on further investigation you find
2 that there is a cross-subsidy, in those
3 circumstances are you prepared to accept some
4 price increase to residential customers to remove
5 that cross-subsidy?

6

7 MS BENSON: Possibly. We have not done any detailed
8 research about how much price increases people
9 will wear. I'm sure IPART is probably better
10 placed in some respects to say what price
11 increases will shock residential consumers. We
12 will take that on notice.

13

14 MR RIX: You will recall that some years ago IPART, I
15 think then as the Government Pricing Tribunal,
16 did a survey of residential consumers in the
17 electricity, gas and water markets which produced
18 some very interesting results. I think that each
19 of us sitting at this table would actually find
20 it amazingly useful if IPART did it again,
21 because that was a document which became a
22 resource which was useful and usable over quite a
23 considerable period of time. I think it is
24 beyond its use-by date.

25

26 THE CHAIRMAN: We will certainly look again at that.

27

28 MR COX: We will. Perhaps we should take that on
29 notice, and if you could take that issue on
30 notice as we are anxious to hear from you. You
31 say, I think, that there should be some price
32 regulation following contestability. Could you
33 explain what you have in mind a bit more please?
34 What should it be? How should we do it?

35

36 MR RIX: There should be price setting by the
37 regulator for those elements of the market which,
38 for various reasons, do not join the contestable
39 market, or cannot join the contestability
40 market. We made the same recommendation in
41 respect of electricity. There will be consumers
42 who may not even be invited to join the
43 contestable market - let us call it a dance, the
44 contestable market dance. If they are not
45 invited to join the contestable market, they are
46 going to be, essentially, consumers. It is
47 important that that class of consumer be
48 protected be from unjustified tariff increases in
49 what would otherwise be a competitive market.

50

51 MR COX: Are you suggesting consumer price control or
52 something for small customers?

53

54 MR RIX: Yes, for a class of consumer.

55

56 MS BENSON: There is a similar situation in
57 telecommunications where Telstra still have CPI
58 minus X on a number of services, despite

1 competition.
2
3 MR COX: So you form a judgment about which customers
4 could expect to benefit from competition or who
5 could reasonably expect to?
6
7 MR RIX: I think you would have to take into account
8 what Kate has said about the lack of information
9 which is provided, or which is able to be
10 provided, by the companies about the nature of
11 their customer base. It can't be done without
12 that information.
13
14 THE CHAIRMAN: I guess you wouldn't want to have a
15 regulatory system designed that prevented
16 competition opening up as information improves?
17
18 MR RIX: No.
19
20 MR COX: I have one more question, and it relates to
21 the public education campaign. Again, this is
22 perhaps a question you might like to take on
23 notice. Could you develop your ideas about what
24 exactly is required?
25
26 MS BENSON: Sure. It probably needs to be applied to
27 the electricity retail contestability as well. I
28 think it is very important.
29
30 THE CHAIRMAN: There have been some increases in the
31 fixed charge by AGL as part of the old Gas
32 Council formula. Has there been any experience
33 of problems, either generally for residential
34 customers or in particular for the low income
35 groups, with these changes of fixed charges in
36 gas?
37
38 MS BENSON: Not necessarily complaints about fixed
39 charges. There are some consumer groups who
40 strongly dislike these charges. I think fixed
41 charges would be more acceptable if people
42 actually understood what they were. I know that
43 some of the pensioner groups are strongly opposed
44 to fixed charges in general.
45
46 THE CHAIRMAN: I have been reliably informed that
47 recently the gas companies in Victoria have
48 announced that they will participate in the
49 Victorian energy ombudsman scheme. We will ask
50 AGL in their final session tomorrow to comment on
51 that. Thank you very much indeed.
52
53
54
55
56
57
58

1 FORCENERGY
2
3 THE CHAIRMAN: Finally for today, we have Forcenergy.
4 We ask you to identify yourself for the record
5 and we will see how we go.
6
7 MR GILL: Glen Gill, vice-president marketing for
8 Forcenergy Australia. We are a new entrant to the
9 E&P companies of America, out of Miami, Florida.
10 Our busiest area for drilling happens to be New
11 South Wales, so we have a bit of a different
12 perspective. I will explain a bit of the
13 background.
14
15 I would like to go through about a 10,000
16 foot view rather than go into detail. We talked
17 in a lot of detail this morning and there is a
18 lot of detail in my submission, but I would
19 rather just set the stage and challenge a few
20 paradigms.
21
22 We are basically a Miami-based independent
23 oil and gas company. We are not vertically
24 integrated. All we want to do is find gas and
25 oil and produce it. We are quite a quick growing
26 company, as are many new entrants when the market
27 is actually opened. We work predominantly
28 offshore in Alaska and in the Gulf of Mexico. We
29 are predominantly an offshore player but in
30 Australia we are onshore.
31
32 (Overhead: "Current Production Profile")
33
34 Just to briefly show our production, we
35 predominantly drill for gas. This is often the
36 scenario with new players in America who actually
37 drill for gas rather than oil. You might find
38 this is totally backwards to Australia where gas
39 is sort of "Oops". It is better than water, but
40 in Australia, it is not a targeted production
41 yet.
42
43 (Overhead: "Forcenergy/First Source Energy
44 Alliance")
45
46 I will talk a little bit about New South
47 Wales gas activity. We basically have an
48 alliance with another US company out of
49 Michigan. We have a multiple basin position
50 across the country in 10 basins - all onshore.
51 We are targeting gas, which is a contrary type of
52 strategy, but we think it matches the opening of
53 the market, and we have no excess baggage. We
54 have not done an alliance with an incumbent
55 player for a very good reason and we are happy to
56 challenge the status quo. We think a lot of
57 challenging has to be done.
58

1 (Overhead: "PEL 238 Prospect")

2
3 Our prospect in New South Wales is really up
4 in the Narrabri area, and it is called PEL 238.
5 We have drilled about a dozen wells to date. We
6 think there lots of markets in New South Wales
7 and the east coast, but yet to be demonstrated,
8 actually in our view, is emphasis on effective
9 open access on the AGL system.

10
11 (Overhead: "What attracts us to New
12 South Wales?")

13
14 What attracts us to New South Wales is the
15 fiscal regime. The State here really wants to
16 develop a gas industry. We are attracted by the
17 liberalisation of the gas market in the State and
18 across eastern Australia. It is relatively
19 unexplored with, we believe, lots of potential.
20 We have close proximity such as real estate
21 locations, and contrary to AGL, we think there is
22 a lot of latent demand, and I will come to that.
23 To say otherwise we believe is nothing but
24 rhetoric.

25
26 The hope of low cost transportation tolls on
27 the AGL system however is a fundamental tool in
28 being successful, not unlike the eastern gas
29 project. Incidentally I was at BHP and started
30 that project so I know a fair bit about that.

31
32 (Overhead: "Historical Drilling Activity")

33
34 Historical drilling activity in Australia is
35 pretty low by North American or international
36 standards, but it is still significant. New
37 South Wales, however, has had no activity until
38 recently. You can see recently there is a lot of
39 hope and the State is really promoting its
40 resources. We are a big part of that. I think
41 we are the dominant landholder in New South Wales
42 and the dominant driller for gas.

43
44 (Overhead: "The Resource is out there!")

45
46 The resource is out there. These are
47 pictures actually of gas found up in Narrabri,
48 just to show you there is hope. This is out of
49 coal seam methane. We have both coal seam
50 methane and conventional gas.

51
52 (Overhead: "Historical NSW Gas Demand")

53
54 We think the status quo situation in New
55 South Wales is very dismal if not embarrassing.
56 The contract market has been killed. We say
57 there has been 13 years of stifled demand. To
58 say that that is the future of New South Wales is

1 not good. There is activity in the residential
2 commercial market, but we do not believe the
3 forecasts of demand by AGL are very accurate at
4 all. We think a five-year period is very
5 dangerous for that and other reasons.

6
7 It has been proven around the world that the
8 industrial market is actually very gas sensitive,
9 highly elastic to price and grows tremendously
10 once deregulated with open access on
11 transmission. Even in mature markets like
12 America, it grew 25 per cent. So to say in a
13 market that is typical to New South Wales that it
14 has no potential is problematic. We think,
15 actually, what is behind a lot of this is the
16 development a bit of a war chest to keep new
17 entrants out of the marketplace.

18
19 (Overheads: "Gas Penetration" and "State
20 Comparison")

21
22 This is another statistic that is nothing
23 for New South Wales to be proud of. The gas
24 penetration in New South Wales and Queensland is
25 very poor vis-a-vis the rest of the country and
26 very poor by international worldwide standards.
27 We think it reflects a market failure. Maybe it
28 is the circumstance that both of those States are
29 dominated by cartels. We believe that Santos and
30 AGL are charging fairly high rents.

31
32 (Overhead: "Market Reform Resistance")

33
34 Market reform resistance probably comes as
35 no surprise when you are vertically integrated
36 with these positions. AGL owns the pipeline to
37 the existing supply basin and to Victoria. They
38 own 100 per cent of the distribution essentially
39 in the state. The two trunk lines we think are
40 really pipelines not networks at all. Of course,
41 they serve gas to all but two of the 750,000
42 customers. The only two are Sithe, where they
43 flip the gas to BHP, and Incitec. Incitec are
44 the brave ones who actually tested the system.
45 That is a very entrenched monopolistic system.
46 It is very dangerous. Most places would not have
47 it.

48
49 (Overhead: "Little has changed in 158 years!")

50
51 Little has changed in 158 years. AGL's
52 first customers were convicts and 750,000 still
53 feel like prisoners. I apologise for the
54 truncation of the slides on the screen.

55
56 Somehow I am missing a slide on California
57 which you might find interesting. The situation
58 in northern California was analogous to AGL's

1 entrenched position in this State. Pacific Gas &
2 Electric used to own the market. They basically
3 served all the customers. They owned the
4 pipelines to Canada, where they bought all the
5 gas. They had gas under contract for 15 years
6 with producers in Canada with take or pay, very
7 similar to the Santos contract.

8
9 The regulator in California, the Public
10 Utility Commission, opened up the access to the
11 market in California, at least on paper. After
12 two years, the regulator looked at it and not too
13 many people had left the utility. They said it
14 was not working and they prohibited PG&E from
15 actually selling gas to the contract market.

16
17 This is where intervention sometimes has to
18 happen. They actually made PG&E sell their
19 pipeline to Canada and disband all their gas
20 supply agreements with hundreds of producers and
21 to sell the marketing company. They had six to
22 nine months to do that. It was quite a quick
23 process. I was there at the time and that is
24 what the regulator did to PG&E, which is a very
25 large company.

26
27 (Overhead: "Pricing Methodologies")
28

29 This slide shows some pricing
30 methodologies. It is supposed to say "Cartel"
31 over at the bottom right-hand side and above it,
32 it should say "Market Bearable". Really that is
33 what AGL is proposing to do with the contract
34 market. I think they misquoted my submission a
35 bit. Under competition, occasionally you have an
36 adequate return on your long run marginal costs.
37 You cycle down to short run marginal costs and
38 back to long run. Time is the only thing that
39 keeps you. It depends on which part of the
40 circle you are in. We see that in electricity
41 today with the pool pricing.

42
43 I believe AGL is proposing to charge the
44 tariff market based on short run marginal costs
45 or something but a small contribution to fixed,
46 and the contract market is up here and I cannot
47 see how that is acceptable.

48
49 (Overhead; "Change force field for NSW")
50

51 I am sorry these slides are all truncated.
52 A lot of forces are trying to drive changes in
53 New South Wales. Of course, IPART is one of
54 them. We are hoping that they will actually
55 accelerate change. There are a lot of forces, as
56 in any time of change, trying to stop it. They
57 include the high distribution margins that AGL
58 charges. I am sure if AGL were prohibited from

1 selling to the retail market, their tolls would
2 change drastically to the contract market because
3 they would be looking for volume and other people
4 are doing that for them. The recapitalisation of
5 EAPL did not help. The slide also refers to free
6 and fair trade, in the top right-hand corner.

7
8 We have a vision for New South Wales. We do
9 not think that the past is representative of the
10 future at all. It is really up to this group
11 here to make sure that change happens. The 13
12 years of stifled demand should not be
13 extrapolated for another five. We think that is
14 important in this State, otherwise it will be at
15 a disadvantage, and we heard that about that this
16 morning.

17
18 (Overhead: "Why settle for anything less?")
19

20 ABARE and others forecast a lot of growth.
21 We hope that New South Wales will not miss out on
22 all this. West Australia has charged ahead in a
23 big way. Why settle for anything less? Multiple
24 city gates are really what it is all about. We
25 talked about Wollongong with the eastern gas
26 pipeline. We would like to build a pipeline down
27 to Newcastle, or have someone build one, coming
28 from the north with New South Wales gas.

29
30 We believe that interbasin competition is
31 very good, and we are a producer. Cooper versus
32 Gippsland versus indigenous New South Wales,
33 Gunnedah basin, whatever, is very healthy. We
34 believe that gas penetration going to 25 per cent
35 is not unrealistic and should be a target for
36 this State. For a developed country and a
37 developed economy, that is a worldwide average.

38
39 We believe city gate prices could decline by
40 10 to 20 per cent in real terms in the next five
41 years. These are discontinuities that you really
42 have to watch in a five-year forecast of demand.
43 It is not steady state conditions. Delivered
44 prices to industrial customers we believe could
45 decline by at least 50 per cent over the next
46 five years with the right open access
47 environment.

48
49 (Overhead: "Eastern Seaboard Latent Demand")
50

51 ACIL see a lot of elasticity not so much in
52 Victoria but particularly north of Victoria. I
53 have an expanded version here of Sydney. We
54 think they are perhaps a little conservative
55 based on work we have done, but you can see a \$3
56 delivery price and a lot of growth in the
57 market. Of course, at \$6.50 or \$5.50 there is
58 not growth, but we hope that is not extrapolated.

1
2 Einstein used to say, "No problem can be
3 solved with the same consciousness which created
4 it". We are at a time of change here, not a time
5 of status quo or base line looking back 13 or 15
6 years. Let us keep that in mind.

7
8 (Overhead: "Translating Vision & Strategy")

9
10 In terms of vision, we believe gas reform
11 has four components to it. New South Wales has
12 contestability schedules and is very aggressive
13 on the retail competition. Efficient regulation
14 has really started here. I used to make trips up
15 to the Gas Council way back in 1994. We talked a
16 lot about stranded costs and so on and had a
17 debate for a number of years. Pipeline
18 connections are happening with the Wodonga-Wagga
19 connection, the eastern gas pipeline and
20 hopefully others.

21
22 Really what is missing is the wholesale
23 market or the bulk market. We think that is a
24 key. With a wholesale market all this happens;
25 without it nothing really happens. That is why
26 we are not seeing any contestability. The
27 wholesale market is really driven by the
28 industrial, the contract market. We believe that
29 is really a wholesale market. Those are
30 wholesale participant, and we say residential
31 commercial is retail.

32
33 (Overhead: "The 1990s")

34
35 In the 1990s, what is in? Unbundling, gas
36 to gas competition, accountability, economic
37 regulation of monopolies, free and fair trade on
38 the commodity side of it, menus of service
39 offerings are all in. You hear this everywhere.
40 What is out? Utilities selling gas really
41 doesn't make the market work. Cross-subsidies
42 are leaving everywhere. Secrecy, government
43 protections, monopoly rents, utility mentality,
44 which we really have to watch here, and
45 anti-competitive behaviour are things which,
46 hopefully, are leaving. When will we join this
47 program? I think it is high time. The
48 transition should be over, in our mind.

49
50 (Overhead: "Definition of 'Effective Access'")

51
52 There is access and then there is effective
53 access, and there is a big difference between the
54 two. As we saw in California, it was not
55 effective so the government intervened. You need
56 full disclosure. We believe that we do not have
57 full disclosure at this time. We agree with
58 those who commented that there needs to be a

1 whole rework of the information.

2
3 It must be non-discriminatory for all
4 players. AGL Retail cannot make special deals or
5 have a war chest of funds set aside to keep
6 retail players out of the game. In our view,
7 either we have that or we have a prohibition on
8 them selling gas to the contract market -
9 whatever they want.

10
11 Flexibility must be extended to shippers,
12 i.e., no onerous penalty for being out of
13 bounds. If it is not a problem to the system,
14 there should be no onerous penalties at all. We
15 need transparent services and rates - meaningful
16 ones not the ones you discount off. We should
17 follow user pays principles and have less
18 minimised cross-subsidies.

19
20 We need standardised contracts. Fair asset
21 valuation, we heard about that. There can be no
22 artificial barriers. There should be no
23 differences in gas quality between New South
24 Wales and Victoria. Gas should be fungible and
25 then the wholesale market works. We need a
26 reasonable certainty of long term tolling
27 methodology. That is where we are looking to the
28 regulator to give us a lot of certainty.

29
30 Talking about either bypass or negotiate is
31 really a regulatory failure, in my view. People
32 need certainty as to what the methodology is and
33 they need to know that they we can trust IPART to
34 discipline the monopoly.

35
36 Queuing procedures have been a very big
37 problems, as well as interconnections. It was a
38 big problem in Queensland when I was up at
39 Allgas.

40
41 (Overhead: "You will know that effective
42 open access exists when you see the
43 following is observed:")

44
45 It is a bit like pornography - it is hard to
46 explain open access but when you see it, you know
47 it sort of by the fruits of it. You really
48 should have multiple shippers everywhere on the
49 transmission and distribution links. If you do
50 not have all these things, you do not have open
51 access. You have intermediaries standing between
52 customers and suppliers and between end users
53 repackaging. You have an exhaustive menu of
54 services, not just two or three. As Henry Ford
55 used to say, you can have any colour you want as
56 long as it is black, and that is what utilities
57 tend to offer people. You have only a small
58 fraction of customers really purchasing system

1 gas from distributors, and that is not bad.
2
3 In America we saw a lot of growth in
4 volume. Distributors always think this is
5 terrible because they are not in control. What
6 really happens, if you talk to them, is they make
7 a lot more money in volume and the merchant
8 function, they let it go, gladly. Vertical
9 integration will no longer be a concern. So all
10 those concerns about AGL owning everything do not
11 have to be a problem; it is a problem only if we
12 do not have effective access, and then you get a
13 very healthy vibrant industry.

14
15 (Overhead: "Effective open access on AGLGN")
16

17 With effective open access, you maximise use
18 of industrial power generation sectors. We saw
19 you huge growth in America. There should be many
20 more times that growth here. With effective open
21 access, you encourage the development of dormant
22 gas supplies, i.e., New South Wales gas
23 production, even unconventional gas.

24
25 It is interesting that in the Fortune 500
26 recent listing, Burlington Resources was selected
27 as the most favourable mining oil and gas company
28 in America. They are built on coal seam methane,
29 so do not discount coal seam methane.

30
31 Effective open access will maximise the use
32 of infrastructure and result in many retail
33 wholesale and participants. That is where it
34 will lead to, in our view.

35
36 (Overhead: "Distribution costs in Australia
37 are off the planet")
38

39 I have just a few closing observations. I
40 had a picture I wanted to show you, but this is
41 more important. The other slide showed a
42 policeman setting a radar screen out in the
43 outback somewhere, policing the speed limit. Let
44 us police industry appropriately by going for the
45 80/20 rule.

46
47 This slide shows distribution margins. The
48 first five are in Canada. The first two show 23
49 cents Canadian per gigajoule. That is very close
50 to the Australian per gigajoule. These are
51 averages, so there will be people better than
52 this. This is for the whole industrial segment
53 of the market. You can see that from the point
54 of view of manufacturing industries, industrial
55 market participants in New South Wales competing
56 on a global basis do not have much hope with
57 today's tariffs. This is what creates the jobs
58 and gets the economy going.

1
2 You can see the US is a little bit higher.
3 This is some benchmarking that the Ontario Energy
4 Board did to see if they could keep industry in
5 Canada. I think New South Wales should be trying
6 to keep industry in New South Wales and
7 attracting industry from the other States. You
8 will not do it under the proposed access
9 arrangements.

10
11 (Overhead: "The secret to success in America")
12

13 Again this slide is cut off, but you can see
14 over time what happens when you have
15 competition. This is in America, which is a much
16 more mature market. You can see everything has
17 decreased, and I have forgotten the numbers.
18 What is more important is that industrial
19 customers are down 25 per cent, I believe, with
20 power generation \$2.74 going down to \$2.02. This
21 can happen in this State. There is no reason
22 that it can't happen. That stimulates demand in
23 a big, big way, so it is all about price.

24
25 (Overhead: "How does the entire value chain
26 look?")
27

28 Here is little more benchmarking data.
29 Unfortunately it is cut off, but it shows
30 different units, US dollars. Do not worry about
31 the units. If you look at per cent terms of
32 delivered prices, that is what you have to focus
33 on. You really have distribution and storage
34 margins of 53 cents on average in the US. If you
35 do a per cent of delivered price, it is very
36 low. I forget what it was in Australia. In New
37 South Wales it is very high and that just kills
38 the market. It was 3.36 out of 6.88, so almost
39 50 per cent. That does not cut it.

40
41 (Overhead: "The brave new world of global
42 competition")
43

44 Everyone is going through tough times so I
45 feel for AGL a bit - perhaps. This is the mining
46 sector in Australia. You can read all about
47 commodity markets, the WACC. We do not agree
48 with the WACC level at all. It does not reflect
49 the risk profile or the opportunity profile that
50 AGL has. Every oil and gas company has suffered
51 with the oil prices. I think we all have to
52 suffer together to get the economy going. There
53 are no free lunches. I suggest it is not so much
54 like a banquet but a six-course dinner.

55
56 (Overhead: "AGLGN's growing credibility gap")
57

58 There is a bit of a credibility gap and that

1 really is a problem. AGL's position is on the
2 left of this slide and the mainstream position is
3 on the right. We have heard a lot about that
4 today and I think you will hear more tomorrow.
5 There is not much in AGL's position that is a
6 mainstream position; therefore, their credibility
7 is gone. We think it has to be significantly
8 reworked.

9
10 (Overhead: "Stomp out AGL's rhetoric")
11

12 We have to get rid of market bearable
13 pricing, cross-subsidies, inflated asset bases.
14 I hate this "No worries, mate", I think we have a
15 lot of that here. Every time I hear that, I
16 worry. But to hear "Trust me, I know what's
17 best" from a monopoly is not a good sign.
18 Market control is really favouring the retail
19 part of their basis, and we have to get rid of
20 anti-competitive barriers. I think there is a
21 lot of that in AGL's submission. That is all I
22 have to say.

23
24 THE CHAIRMAN: That gives us a perspective of a
25 potential gas producer. If I distill from your
26 submission and from your presentation today, for
27 which we thank you, you are saying a number of
28 things. One of the things you are saying is that
29 the cost of the use of the distribution network
30 is too high for a variety of reasons. You
31 indicated that there are some other problems in
32 the way that the current arrangements work. I
33 wonder if I can take you to some of the other
34 non-price issues and ask you to tell us what you
35 see as some of the major impediments in the
36 proposed access arrangement and, in particular,
37 how you see the arrangements working or likely to
38 work in the case of Victoria, or indeed in
39 Western Australia, again in terms of the
40 non-price arrangements for access so that we have
41 some sense of what the really big issues are in
42 terms of open access from your perspective.

43
44 MR GILL: I think Victoria has a model that they
45 copied off electricity, which is creating
46 liquidity and an easy entry and exit to the
47 game. I like a contract carriage model, but as
48 was discussed here, the model has to be right;
49 otherwise, you go to the pool model - the market
50 model. I think Victoria's model, if we cannot
51 get it right, should spread across the seaboard
52 because it actually does get the market going.
53 Other than that, I think the services are very,
54 very restrictive. Assuming everybody wants firm
55 service is very, very naive.

56
57 Either we are going to get to a free and
58 fair market or we are not. If we are, those are

1 but two basic services and there is a menu of
2 other services that people enjoy and actually
3 prefer. I've put some of those in my submission.
4 Interruptible service and partial haul were
5 talked about and multiple city gates are vitally
6 important services.

7
8 THE CHAIRMAN: You are really saying that a lot more
9 should be spelt out rather than left to
10 negotiation?

11
12 MR GILL: A lot more should be spelt out. You cannot
13 negotiate with a monopoly. It is so inefficient
14 you do not do it.

15
16 THE CHAIRMAN: I think Jim Cox asked AGL earlier in
17 their session to try to anticipate what a
18 competitive market might want. You have
19 mentioned some what are they?

20
21 MR GILL: I think the code says we have to put in
22 anticipated services. Because of these
23 discontinuities, and that's why it took so much
24 time to explain the discontinuities, a lot of
25 services will be required that we probably won't
26 even guess, but we should hit most of them, the
27 ones we can think of. Not to do that is an
28 abdication of our responsibilities. Because you
29 cannot negotiate, you get frustrated, and it
30 leads to economic inefficiency because you tend
31 to not negotiate and bypass and do silly things
32 because you are frustrated.

33
34 THE CHAIRMAN: In one interpretation - and I do not
35 disagree with you, I note with interest what you
36 say - the way in which gas regulation has been
37 developed has been as a compromise in one sense
38 against the backdrop of the Hilmer committee
39 report. It really has a model of primarily
40 negotiating and then arbitration. The model that
41 has emerged is, if you like, a "bastardised"
42 version of that. If I hear what you are saying
43 correctly, you are saying, "Look, this is not
44 going to work. You may as well spell it all out
45 and forget the negotiations".

46
47 MR GILL: I've negotiated or tried to negotiate with
48 AGL since 1993 on the eastern gas pipe, and they
49 fought that. When I was general manager at
50 Allgas we tried to do things. We couldn't get
51 pipelines interconnected without a huge fight.
52 If you have that position, you are coming from
53 such a position of strength that when you have
54 all the cards, it is easy to win the game. I
55 just do not think it is an efficient process.

56
57 If you set up an arbitration, that may
58 work. I have heard of some in Victoria working

1 quite effectively. I mentioned I think baseball
2 arbitration is used in the United States, where
3 if you are extreme, you lose. But with
4 arbitration or negotiation, even arbitration
5 without well-defined references is so
6 inefficient. You are just paying lawyers and you
7 are frustrated.

8
9 THE CHAIRMAN: Thank you.

10
11 MR COX: Thank you for your interesting submission and
12 your presentation. We discussed briefly the
13 latent demand issue with AGL this morning. They
14 said, "Well, you know, the power market is very
15 difficult. Prices are so low there will be no
16 co-gen for the next 20 years", or whatever.
17 Where is the latent demand coming from? What
18 sorts of loads?

19
20 MR GILL: I think I have listed them in my
21 submission, but there is no reason that you
22 should not have more feedstock industry here,
23 Incitec is one company, but that is very price
24 sensitive. Power generation is another. The
25 State tells us they want to move from reliance of
26 94 per cent on coal-fired generation down to
27 80 per cent and gas is what they want to use.

28
29 We hear all kinds of messages from the
30 government about policy, yet it will not work
31 uphill. The city gate price of gas can be zero
32 and with these tolls, it will not work.

33
34 AGL did not do the Smithfield deal.
35 Actually I helped consummate that deal. It was
36 done because BHP did some things differently.
37 All the growth in New South Wales that I think is
38 material was done by BHP over the past five
39 years.

40
41 I should mention this marketing cost of X
42 millions of dollars. All they should be doing is
43 selling capacity. If they are marketing to
44 markets that do not want gas or trying to sell
45 ice creams to Eskimos, then that is their
46 business; it has nothing to do with their network
47 business. To market capacity, I think I could do
48 it for less than \$1m a year, quite easily.

49
50 MR COX: You mentioned in your submission and in your
51 remarks this afternoon that the price to use the
52 networks should come down by about 50 per cent.
53 Have I understood that correctly?

54
55 MR GILL: I said delivery of prices to the contract
56 market could come down by 50 per cent quite
57 easily.
58

1 MR COX: Can you explain the basis for that.

2
3 MR GILL: Well, if costs were allocated properly and
4 depreciation, I think it is easy. We are
5 comparing basically new pipes with old pipes and
6 the new pipes are winning. If you put in
7 depreciation, there is no reason - this State has
8 no different pipeline grid from any other country
9 or State that I have ever seen and if Canada can
10 get it down to 25 cents a gigajoule just through
11 depreciation, I do not understand why New South
12 Wales can't.

13
14 MR COX: Essentially you are benchmarking New South
15 Wales against other jurisdictions.

16
17 MR GILL: If you just take the cost, DORC or whatever
18 - depreciated actual, I mean - and from when the
19 pipe was built, actually through in the capital
20 contributions as taken off the capital base, I am
21 sure you would get around 25 cents or so. We
22 are strangling the market here. It is just a
23 huge cross-subsidy. It is a self-fulfilling
24 prophecy. If you actually charge that way, of
25 course, the market won't grow.

26
27 MR COX: Just to be clear, you are talking about the
28 delivered price to the contract market?

29
30 MR GILL: Yes, I think it is twice what it should be.

31
32 MR COX: You showed an interesting graph, I think, on
33 one of your transparencies where you looked at
34 the price and what the demand would be in each of
35 those prices. Do you recall that? It is this
36 one here.

37
38 MR GILL: That is ACIL's work actually. That is
39 showing elasticity of demand in the
40 price-sensitive market, which is really your
41 contract market. It is feed stock, processing
42 and power generation, and that type of thing.

43
44 MR COX: Just to make sure I understand what we have
45 here is the delivered price of gas?

46
47 MR GILL: Yes, and how the market would grow.

48
49 MR COX: And the demand is the demand, if you like, in
50 the contract market.

51
52 MR GILL: I think it is all New South Wales, but that
53 is where it is coming, that is where the growth
54 is, yes.

55
56 MR COX: The wholesale market - you said that the key
57 was the growth of the wholesale market. Perhaps
58 you could just explain to me what you meant by

1 that and then perhaps also explain what you think
2 the impediments are to the development of the
3 wholesale market as you would like it.
4
5 MR GILL: It depends how you define market. I said
6 it is important to have a wholesale market where
7 people buy and sell gas. That could be traders
8 marketing companies, producers selling to each
9 other. Gas is bought and sold about 10 times -
10 the wholesale market in America is 10 times
11 consumption. That shows you in a very efficient
12 market you buy and sell many times. That is
13 efficiency because you arbitrage out
14 inefficiencies. That is the only way you can
15 arbitrage. So wholesale market is important.
16
17 The other way I define wholesale is large
18 end users who are sophisticated buyers, like
19 Mr McLeod. To say that you need a licence to
20 protect them from a retailer abusing them is a
21 little silly. I also include them in my
22 wholesale definition of participants. You need a
23 wholesale market, people buying and selling gas
24 that have options in terms of fuel switchability,
25 or whatever. What you are doing is arbitrating
26 out inefficiencies.
27
28 MR COX: What are the impediments of that developing
29 in New South Wales, apart from price?
30
31 MR GILL: Well, access. You need access, not on a
32 disinsensitive basis; you need the most flexible
33 you can get. By definition for arbitrage, you
34 need to have a lot of flexibility and a lot of
35 ways to exit and enter the market.
36
37 MR COX: Obviously one problem is the absence of
38 alternative sources.
39
40 MR GILL: Oh, exactly, but before four or five years
41 is up, we should have a lot more flexibility in
42 terms of alternative sources.
43
44 MR COX: I am trying to understand whether there are
45 impediments within the structure of the access
46 arrangement being imposed that would make it more
47 difficult than it needs to be and what needs to
48 be done to address that problem.
49
50 MR GILL: There are significant impediments. You
51 need to develop a hub, if you will. If you
52 research the successful hubs in America, they are
53 very successful where you have multiple buyers
54 and sellers trading gas. Sydney could be a great
55 hub with these pipelines that are being
56 proposed. To do that, you need to have a
57 backbone system of pipelines. That is why I
58 think the trunk lines are really pipelines and

1 the sooner they are treated that way, the
2 better. The tolls have come down, but they are
3 still way too high, given the historical costs
4 and the volumes that flow through those. Then
5 you start to have a wholesale market transacting
6 on the three pipelines coming into New South
7 Wales plus on the trunk line. That would happen
8 very quickly. Victoria has created a wholesale
9 market through the pool. That is what a pool
10 does.
11
12 MR COX: But that was a sort of fundamental design
13 option that we may not have in New South Wales.
14
15 MR GILL: Well, it is a different model.
16
17 MR COX: I am wondering what there is within the
18 context of the access arrangement that is now in
19 front of us.
20
21 MR GILL: You need interruptible rates, you need
22 backhaul rates, you need disinsensitive rates,
23 you need to be able to sign up for one-month
24 deals, or whatever - you need lots of
25 flexibility.
26
27 MR COX: Thank you.
28
29 THE CHAIRMAN: Thank you very much for that. That was
30 most helpful. That brings today's hearing to an
31 end. We will resume tomorrow at 10am.
32
33 (At 3.30pm, the Tribunal was adjourned to
34 Thursday, 1 April 1999 at 10am)
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