

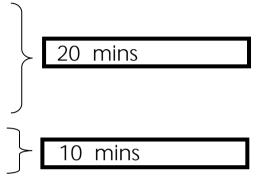
Proposed pricing structure – Network Regulatory period 2004 - 09

Adrian Ray GM - Sustainability



Agenda

- 1. Introduction
- 2. Recent Experience
- 3. Business Model
- 4. Pricing issues
- 5. Discussion & Questions





- 1. Introduction
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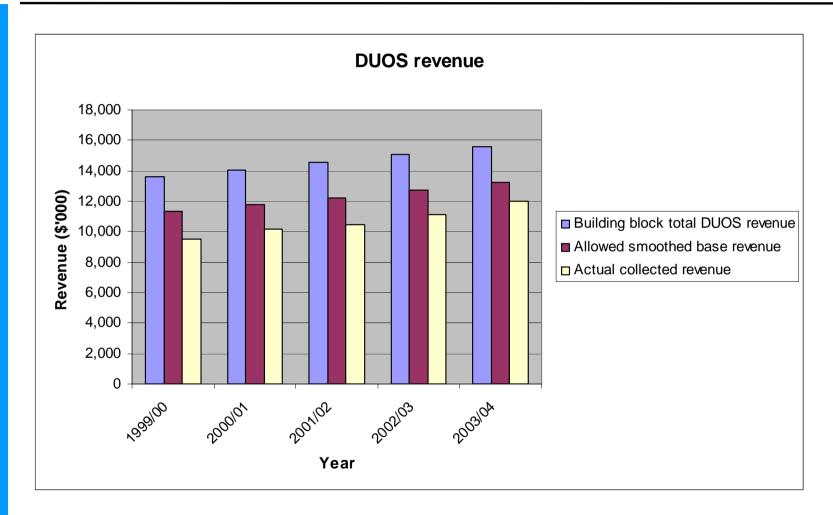
Existing determination

- Revenue under-recovery
 - Estimated 15% AARR under at June 04
- Costs
 - Increasing Opex
 - Capex higher than forecast
 - ▶ Significant TUOS increase 2002/03
- Growth
 - Average 1.5% per year over last 10 years
 - Annual sales volatility
 - ▶ One large mine in Broken Hill consumes 33% energy
 - Impact of mining flat outlook assumed



Existing revenue collection

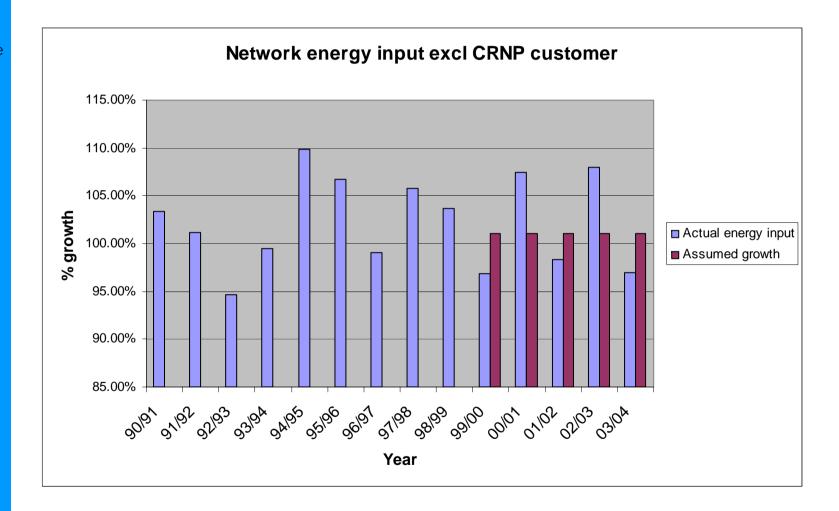
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Sales volatility

- 1. Introduction
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Current Pricing

- Pricing cross subsidies
 - Under-recovery of tariffs
 - ▶ Urban subsidise remote
 - Business subsidise domestic

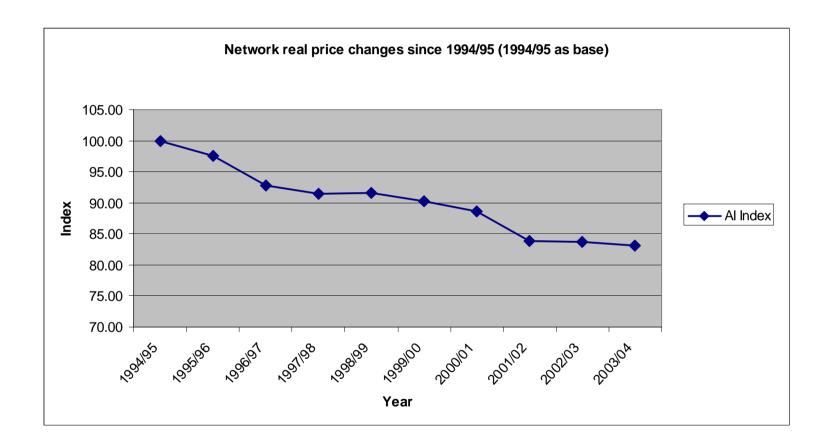
	Total Monthly
	Bill
Business	\$82
Residential	\$53
*450 kWh/mth	

- Increases since 1995
 - Transmission increases passed through
 - ▶ Al chosen no real network distribution increases.



Network price changes

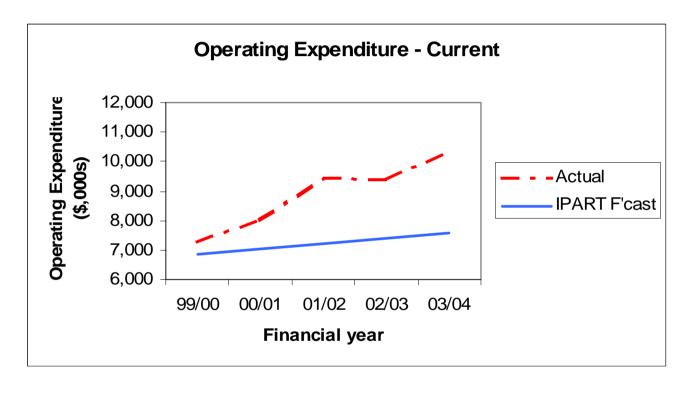
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Operating Expenditure

- 1. Introduction
- 2. Recent Experience
- 3. Business Model
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- 5. Discussion & Questions

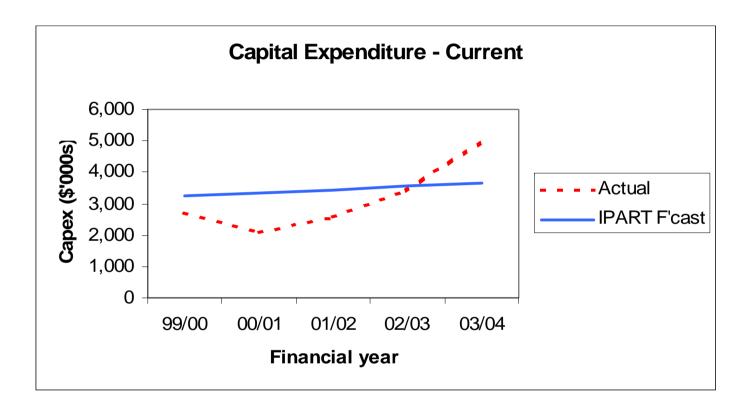


- Increased focus on maintenance
- Increased asset management and regulatory costs



Capital Expenditure

- 1. Introduction
- 2. Recent Experience
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- ☐ Historical CAPEX volatile
- Targeted reliability improvements reduce customer outage minutes by increased monitoring, protection and switching systems



Commercial Needs

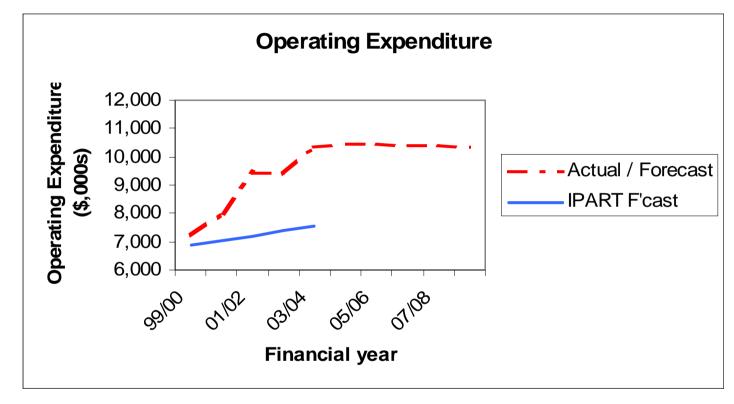
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- Goal: Pursuit of an efficient and sustainable business
 - ▶ Compliant
 - ▶ Reliable
 - Competitively priced
 - Maintaining & Investing for future
- Drivers of Proposed Price Changes
 - ▶ Network asset valuation \$57.8 million
 - ▶ Weighted average cost of capital 7.8%
 - Annual operating costs
 - Annual capital expenditure
 - Annual sales growth



Operating Costs - Forecast

- 1. Introduction
- 2. Recent Experience
- 3. Business Model
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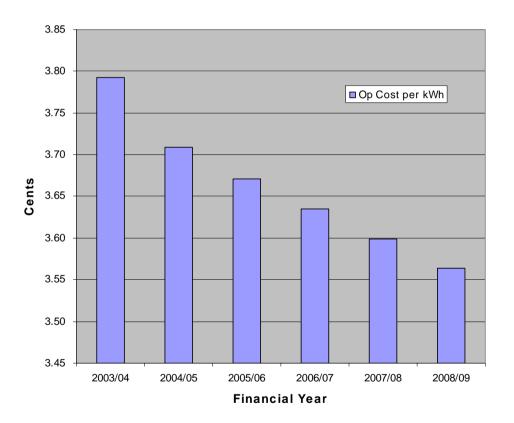
- ☐ Historical: Non typical base year; Priority with Customer funded works resulted in low opex
- Current: Increasing cost of compliance & Improved reliability
- ☐ Targeted 1.5% pa productivity improvement



Operating costs - forecast

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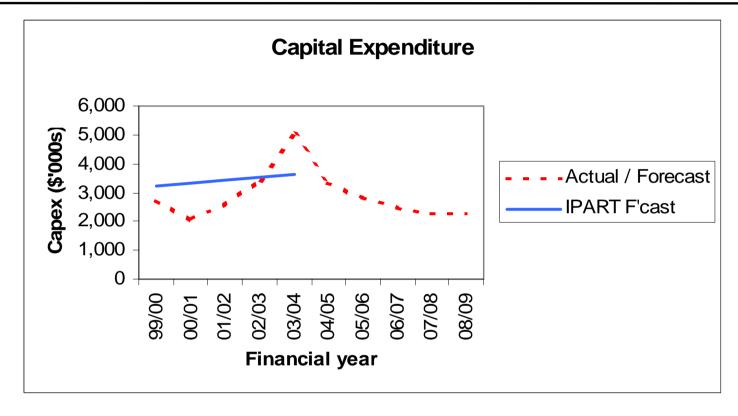
Real Operating Cost per kWh





Capital Expenditure - Forecast

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- 2. Recent Experience
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- 5. Discussion & Questions

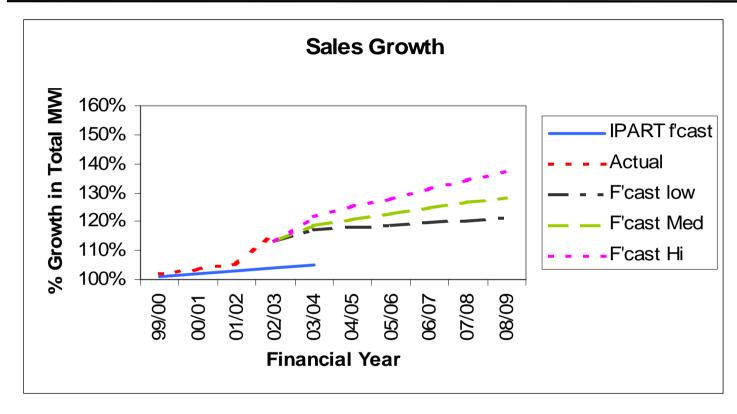


- ☐ Targeted reliability improvement SCADA, Maintenance Management
- Targeted 25% Improvement in Customer Minutes Off Supply



Sales Consumption - Forecast

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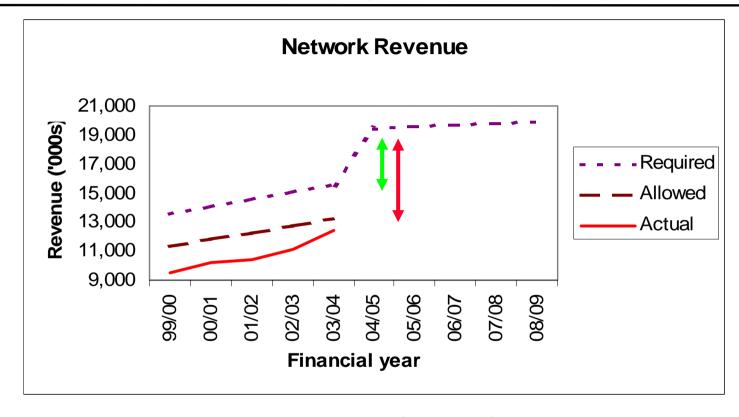


- Post Drought: -3% drop forecast
- 1.5% pa growth long term trend
- Influence of Mine = 33% energy



Revenue - Increasing Shortfall

- 1. Introduction
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- Required revenue increases from \$12m to \$19.3m in 04/05
- Total shortfall (Required Actual): \$7.3m



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Summary - Drivers for Price Changes

- Board ensures weights on Management to avoid gold plating:
 - 1.5% pa operating productivity
 - Capital investment short term investment in monitoring, protection and switching then 50% reduction
 - 15 year Asset Management Plan define performance, maintenance and investment
- Historical under recovery on asset value
- Under recovery increases with
 - Improved reliability requiring targeted maintenance and capital investment.



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Concerns

Price Impacts

- On top of Drought & marginal economic outlook
- Intense Board discussion Community ability to absorb price increases
- Transmission Charges
 - \$3m increase last year significant price shock for Customers
- Service Levels
 - Emerging from under recovery & under investment
 - Reliability MUST improve
 - Customers MUST see benefits



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Service Levels

Forecast Improvements

- SCADA to improve monitoring and response times
- Voltage control & switching upgrades

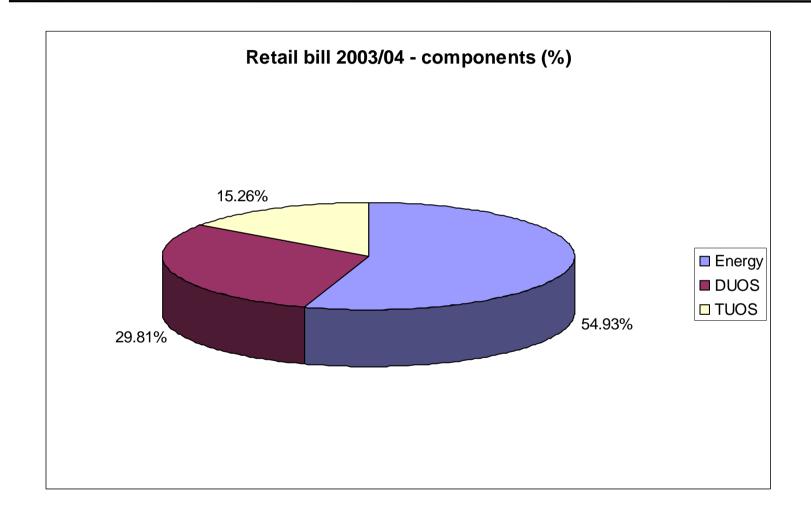
25% improvement in reliability for Customer

- SCADA is estimated to provide a 13% reduction in customer outage minutes for rural customers
- Target to reduce outage minutes by 10% because of improvements in protection systems



Retail bill components

- 1. Introduction
- 2. Recent Experience
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- 5. Discussion & Ouestions

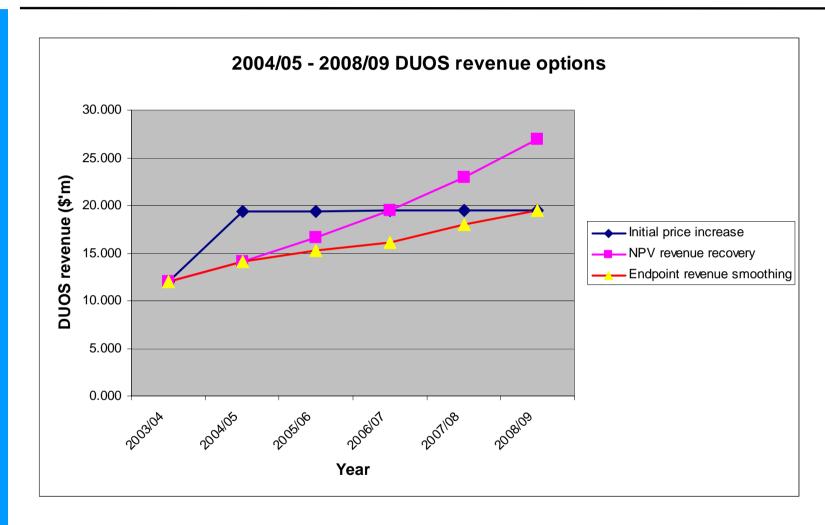
Options to Bridge the Revenue Gap

- Price Increase 60% (Some Forgone Revenue)
 - Price shock for customers some total bills up >30%
 - Board concerns on community impact; unknown impact of additional difficulties eg drought
- Recoup Full Increase in 'Future Value' Terms Over 5 Years
 - 5 years of high price increases for customers
 - Community incapacity to pay during difficult years ahead
- Graduate Increases; Forgo Some Revenue
 - Difficult decision Australian Inland will not recover all revenue
 - Minimise price shocks to customers
 - Acknowledge the revenue shortfall
 - Clearly a discussion for Shareholders



Revenue options to 2008/09

- 1. Introduction
- 2. Recent Experience
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Price Impacts - Monthly Total Bill (2002/03 NUOS)

- 1. Introduction
- 2. Recent Experience
- 3. Business Model
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- 5. Discussion & Questions

	Current Total Monthly Bill	Network Charges	Increase Network Charges by %	Apply % Increase to Network Charges	Change in Bill					
			15.60%							
Typical Residential - North Region										
Low (400/mth)	\$49.34	21.93	25.35	\$52.76	6.9%	\$3.42				
Medium (600/mth)	\$71.12	31.13	35.99	\$75.98	6.8%	\$4.86				
High (800/mth)	\$92.90	40.33	46.62	\$99.19	6.8%	\$6.29				
Typical Residential - South Region										
Low (400/mth)	\$47.44	21.93	25.35	\$50.86 7.2%		\$3.42				
Medium (600/mth)	\$69.34	31.13	35.99	\$74.20	7.0%	\$4.86				
High (800/mth)	\$91.24	40.33	46.62	\$97.53	6.9%	\$6.29				
	Турі	cal Business	- North Region	n						
Low (50/mth)	\$16.13	10.285	11.89	\$17.73	9.9%	\$1.60				
Medium (450/mth)	\$73.10	37.605	43.47	\$78.96	8.0%	\$5.87				
High (5000/mth)	\$662.32	348.37	402.72	\$716.67	8.2%	\$54.35				
	Турі	cal Business	- South Regio	n						
Low (50/mth)	\$25.11	10.285	11.89	\$26.71	6.4%	\$1.60				
Medium (450/mth)	\$82.08	37.605	43.47	\$87.94	7.1%	\$5.87				
High (5000/mth)	\$748.44	348.37	402.72	\$802.79	7.3%	\$54.35				
Rural Business										
Low (50/mth)	\$17.21	12.25	14.16	\$19.12	11.1%	\$1.91				
Medium (450/mth)	\$88.20	36.97	42.74	\$93.96	6.5%	\$5.77				
High (5000/mth)	\$823.02	318.16	367.79	\$872.65	6.0%	\$49.63				



Price Impacts - Monthly Total Bill (2002/03 NUOS)

- 1. Introduction
- 2. Recent Experience
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- 5. Discussion & Questions

	Current Total Monthly Bill	Network Charges	Increase Network Charges by %	Apply % Increase to Network Charges	Change in Bill					
			6.60%							
Typical Residential - North Region										
Low (400/mth)	\$49.34	21.93	23.38	\$50.79	2.9%	\$1.45				
Medium (600/mth)	\$71.12	31.13	33.18	\$73.17	2.9%	\$2.05				
High (800/mth)	\$92.90	40.33	42.99	\$95.56	2.9%	\$2.66				
Typical Residential - South Region										
Low (400/mth)	\$47.44	21.93	23.38	\$48.89 3.1%		\$1.45				
Medium (600/mth)	\$69.34	31.13	33.18	\$71.39	3.0%	\$2.05				
High (800/mth)	\$91.24	40.33	42.99	\$93.90	2.9%	\$2.66				
	Турі	cal Business	- North Regio	n						
Low (50/mth)	\$16.13	10.285	10.96	\$16.81	4.2%	\$0.68				
Medium (450/mth)	\$73.10	37.605	40.09	\$75.58	3.4%	\$2.48				
High (5000/mth)	\$662.32	348.37	371.36	\$685.31	3.5%	\$22.99				
	Турі	cal Business	- South Regio	n						
Low (50/mth)	\$25.11	10.285	10.96	\$25.79	2.7%	\$0.68				
Medium (450/mth)	\$82.08	37.605	40.09	\$84.56	3.0%	\$2.48				
High (5000/mth)	\$748.44	348.37	371.36	\$771.43	3.1%	\$22.99				
Rural Business										
Low (50/mth)	\$17.21	12.25	13.06	\$18.02	4.7%	\$0.81				
Medium (450/mth)	\$88.20	36.97	39.41	\$90.64	2.8%	\$2.44				
High (5000/mth)	\$823.02	318.16	339.16	\$844.02	2.6%	\$21.00				



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Price Impacts - Monthly Total Bill

- □ Propose 26% graduated increase over 5 years
 - ▶ Year 1 increase by 10.5%
 - ▶ Years 2-5 increase by 3.6% per year
 - Excludes annual CPI inflation adjustment

	Total <i>Residential</i> Monthly Bill Impact							
kWh / mth	Current	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Increase	
Low 400	49.34	54.60	56.58	58.55	60.53	62.50	\$ 13.16	
Med 600	71.12	78.59	81.39	84.20	87.00	89.80	\$ 18.68	
High 800	92.90	102.58	106.21	109.84	113.47	117.10	\$ 24.20	
	Total <i>Business</i> Monthly Bill Impact							
Consumption	Current	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Increase	
Low 50	25.11	27.58	28.50	29.43	30.35	31.28	\$ 6.17	
Med 450	82.08	91.10	94.49	97.87	101.26	104.64	\$ 22.56	
High 5,000	748.44	832.05	863.40	894.75	926.11	957.46	\$ 209.02	

■ Revenue forgone by delaying increase from 1 to 5 years is \$11 m borne by Shareholder in reduced EBIT.



DUOS price determination

- 1. Introduction
- 2. Recent Experience
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2003/04

DUOS = NUOS - TUOS

■ 2004/05 ONWARDS

NUOS = DUOS + TUOS



Indicative 2003/04 DUOS charges

- 1. Introduction
- 2. Recent Experience
- 3. Business Model
- 4. Pricing issues
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	1	In directive 2000/04 DUOC objects						
		Indicative 2003/04 DUOS charges						
Network tariff		Monthly	Total	Peak	Shoulder		Demand	
Classification		Standing	Units	Units	Units	Units	Rate 1	
	Code	Charge	Rate	Rate	Rate	Rate	(\$/kVA/	
	ë	(\$)	(c/kWh)	(c/kWh)	(c/kWh)	(c/kWh)	month)	
Domestic	D	3.71	2.95					
General Supply	GS	7.22	5.20					
General Supply - Irrigation	GSI	7.22	3.60					
Off Peak - Tariff 1 (Residential)	OPR	0.61	0.22					
Off Peak - Extended (Residential)	OPRE	0.61	0.72					
Off Peak - Tariff 1	OP	0.61	0.22					
Off Peak - Extended	OP1	0.61	0.72					
Institution	IS	4.80	3.36					
Rural (residential)	RU	9.62	4.62					
Rural (Business)	RUB	9.62	4.61					
Time of Day - LV Demand	TLD	168.27		3.43	2.75	0.90	8.16	
Time of Day - HV Demand	THD	1,201.95		1.39	0.04	0.21	5.82	
Time of Use - General LV	TLV	120.20		8.52	4.26	2.07		
Time of Use - General HV	THV	1,201.95		6.76	4.43	2.70		
Time of Day - BH Irrigation	TBI	120.20		8.52	4.26	2.07		
2-rate TOU - WW Irrigation	TI2W	120.20		8.52	8.32	2.07		
Water Pumping - WW	WP	120.20		10.82	0.00	6.76		
Sewage Pumping	S	120.20		10.82	0.00	6.76		
Street lighting	SL	16.82	3.75					
Floodlighting	FL	16.82	5.28					
Process Heat	PH	16.82	3.46					



Indicative 2003/04 TUOS charges

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		1 II - 1 - 0000/04 TUGO 1						
		Indicative 2003/04 TUOS charges						
Network tariff		Monthly	Total	Peak	Shoulder	Off Peak	Demand	
Classification		Standing		Units	Units	Units	Rate 1	
	Code	Charge	Rate	Rate	Rate	Rate	(\$/kVA/	
	de	(\$)	(c/kWh)	(c/kWh)	(c/kWh)	(c/kWh)	month)	
Domestic	D		1.8794					
General Supply	GS		1.9675					
General Supply - Irrigation	GSI		1.6719					
Off Peak - Tariff 1 (Residential)	OPR		1.3002					
Off Peak - Extended (Residential)	OPRE		1.7098					
Off Peak - Tariff 1	OP		1.3002					
Off Peak - Extended	OP1		1.7098					
Institution	IS		1.9194					
Rural (residential)	RU		1.8704					
Rural (Business)	RUB		1.8794					
Time of Day - LV Demand	TLD			1.9837	1.9837	0.7946	1.4563	
Time of Day - HV Demand	THD			1.9837	1.9837	0.7946	1.3931	
Time of Use - General LV	TLV			2.2977	2.4993	1.3002		
Time of Use - General HV	THV			2.2977	2.4993	1.3002		
Time of Day - BH Irrigation	TBI			2.2977	2.4993	1.3002		
2-rate TOU - WW Irrigation	TI2W			2.2977	2.4993	1.3002		
Water Pumping - WW	WP							
Sewage Pumping	S							
Street lighting	SL		1.5235					
Floodlighting	FL		1.5235					
Process Heat	PH		1.8165					



INLAND

- 2. Recent Experience
- 3. Business Model
- 4. Pricing issues

1. Introduction

5. Discussion & Questions

Pricing issues

- Off-peak 1 negative DUOS tariff
- TUOS allocation to off-peak tariffs > DUOS allocation
- TUOS fixed charges allocated to energy (fixed charges allocated to fixed results in more negative DUOS charges)
- Domestic TOU tariff requirement
- TOU tariffs require overhaul
- Cross-subsidies to be addressed
- DUOS revenue/kWh from CRNP customer << other customers</p>



Discussion & Questions

- 1. Introduction
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