NERA Economic Consulting

Substitutes and Complements for 'Traditional' Regulation



Greg Houston

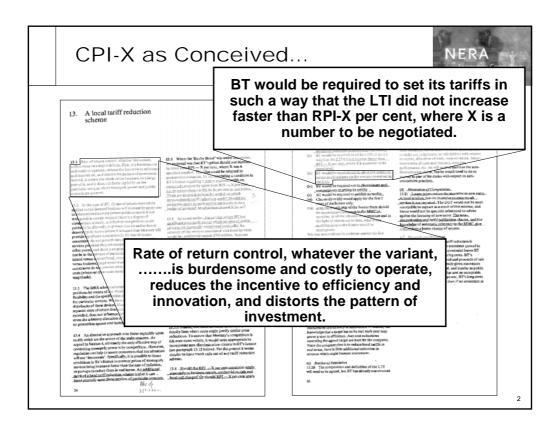
Director NERA—Sydney

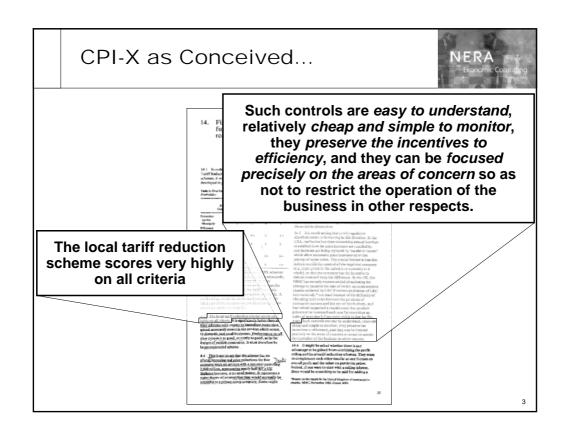
Tenth ACCC Regulatory Conference Holiday Inn, Surfers Paradise

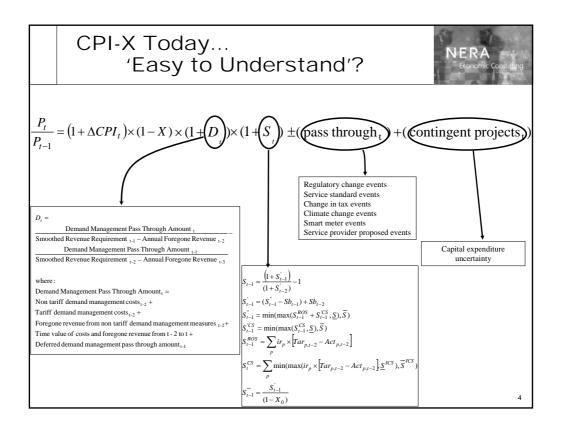
30 July 2009

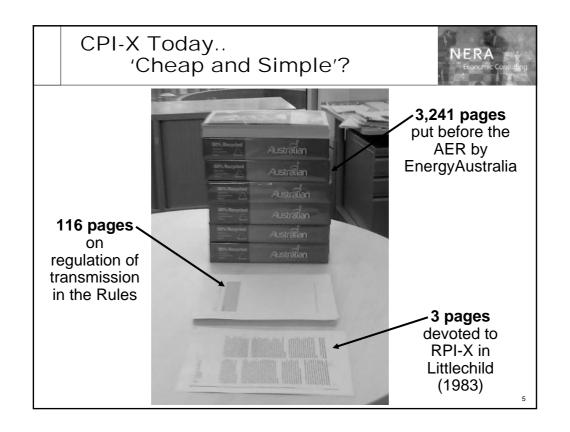
How Markets Work

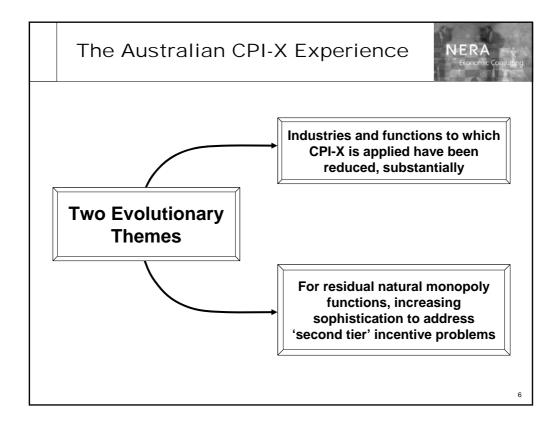
Regulation of British Telecommunications' Profitability Stylen C. Leftechia Discounts of Benninghum Report to The Secretary of State February 1983 Secretary 1984 Secretary 1983 Secretary 1984 Secretary 1984 Secretary 1985 Secretary











Scope of CPI-X has Reduced



Industries now subject to light-handed forms of regulation each satisfy one or more critical conditions:

Competition has emerged, e.g., telecommunications, energy retailing

OR

- Customers have a degree of countervailing power, e.g., through
 - Being relatively small in number and well resourced
 - Being highly motivated, because the service represents a significant input cost
 - Having some form of 'outside option'

AND

 The 'counterfactual' for unsuccessful negotiations is well understood by all

Prof Littlechild Anticipated This



In any event, an automatic reference to the MMC after, say, five years seems appropriate. By that time the extent and strength of competition should have become more apparent, and it may be appropriate to extend or restrict the scope of the 'monopoly basket'; to change the value of X or to rebase the calculation; to abolish the tariff reduction scheme altogether or to impose additional constraints.

(the sense), there are the 6 delays that 21 or 10 or 1

8

But the Original Problem Remains



- For a core set of circumstances, traditional forms of regulation remain necessary, i.e., where:
 - There is an entrenched natural monopoly, i.e., electricity wires, water pipes, and some gas pipelines;

AND

- Customers are numerous, generally small, and poorly motivated
- Failure of the NZ "thresholds" experiment was predictable given:
 - Customers had no countervailing power; and
 - Upon breach of a threshold, the counterfactual was highly uncertain
- Traditional forms of regulation are inescapable, because traditional monopolies remain in place

CPI-X... Has Reality Defeated the Concept?



- Does today's best practice still meet its originally claimed attributes:
 - Easy to understand?
 - Relatively cheap and simple to monitor?
 - Preserves the incentive to efficiency?
- Over the past 7-10 years much complexity has evolved in response to perceived shortcomings
- TFP has been suggested as a 'simpler' variation and, while it has advantages: "Be careful what you wish for...."
- In the words of Professor Littlechild
 - "[N]o scheme is ideal... Despite its defects, the local tariff reduction scheme is significantly preferable to the available alternatives"
- Looking ahead, when substitutes are scarce
 - Complexity is here to stay, but things need to be kept in perspective
 - Ad-hoc, incremental change risks compromising the underlying objective
 - Robust, flexible institutions and regulatory frameworks are the critical safeguard

10

Institutions Remain Critical



- Institutional and regulatory arrangements for electricity networks and gas pipelines are now highly developed
 - Separation of rule making (AEMC) and rule enforcement (AER)
 - Establishment of a single, cohesive legal objective
 - Emphasis on transparency, predictability, due process and public consultation
- Arrangements for water lack cohesion, with still much scope to facilitate competition and wind back the reach of traditional CPI-X regulation
- In energy, the quest for due process and predictability of outcomes also carries some risks
 - Is the CAPM really the best and only way to determine the regulatory WACC?
 - Does a review of WACC parameters that is constrained as to how it takes into account the GFC make sense?
 - Is 'serial incrementalism' always the best approach to amending the Rules?

Key Messages



- 'Modern' CPI-X regulation has evolved to become more sophisticated, and better targeted
- 'Lighter-handed' substitutes now have a prominent place in the landscape, and their scope will continue to expand
- 'Traditional' CPI-X regulation has no effective substitutes for addressing 'traditional' entrenched monopolies
- Institutions are the critical complement for guiding constructive evolution