



Load Management Workshop Introduction

Auckland

November 2005

Load Management

Development

- Submissions by interested parties on status of load management
- Investigation and report to EC Board
- Load Management and Metering Conference
- Load Management Programme
- Auckland workshop for SMEs
- Working Group meetings and reports

Load Management Workstreams

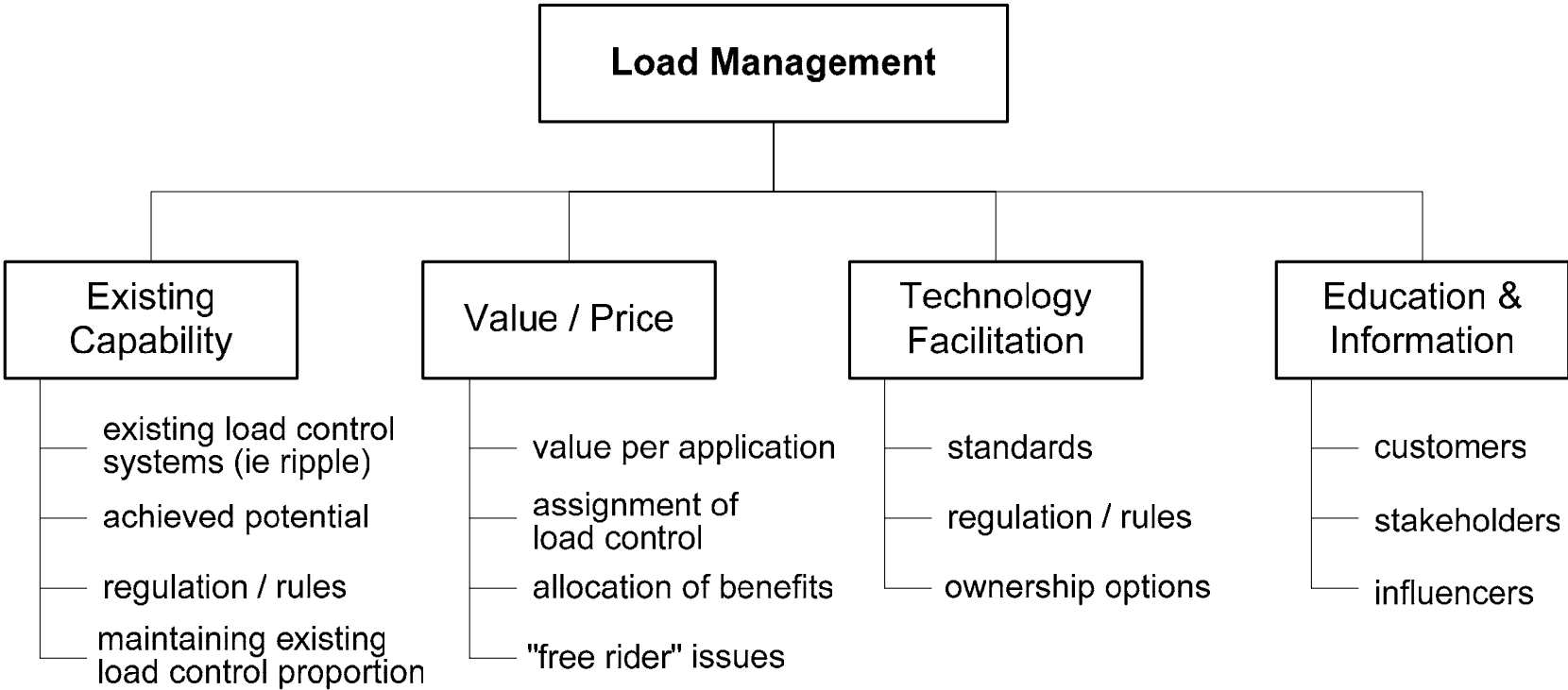


Figure 1. Proposed Workstream Programme

Existing Capability

Objective: maintain the existing load management capability in NZ. This is the top priority

Existing Load Control Systems:

- Estimate the amount of controllable load via existing systems;
- Estimate possible future load control achievable via existing system

Value and Pricing

Assignment of Load Control:

Objective: establish a methodology for assignment of the right to control the customer's load between the participating parties.

- Controllable load is a “*property right*” owned by the customer which may be traded.
- The customer is unlikely to allow their load to be controlled unless they receive appropriate compensation.
- Customers can choose from a range of “bidders”.

Assumption: that a suitable environment can be defined and established to create a dynamic market to discover and allocate the value of this controllable load over time.

Value and Pricing

Allocation of Benefits:

- The following entities with an interest in controlling end users loads must see an adequate return for the effort and investment involved:
 - The customer whose load is being controlled;
 - The owners of the load control infrastructure;
 - The operator of the load control infrastructure;
 - The entity offering the load control service.
- This workstream aims to develop both methodologies and options for how the costs and the benefits of end user load control should be allocated.

Technology Facilitation

Standards:

- The establishment of suitable standards for both load control and smart metering systems is presently the topic of study worldwide.
- Communications standards will enable equipment from different suppliers to interact to the benefit of the whole industry and consumers.
- Investigate scope to use existing systems for new applications, such as signalling to smarter thermostats, air conditioners, and the like.

Education and Information

Objective: is to ensure:

- Key interested parties are kept informed of progress;
- All end users (industrial through to residential) are made aware of what is possible, how they could benefit, and how they might become more closely involved.