

BUSINESS CASE PROPOSAL

TITLE: Good Practice Guide for Developing Pressure Sewer Systems

SUMMARY: Development of a freely available industry guideline to assist local authorities' decision making on pressure sewer systems.

BACKGROUND: Pressure sewer systems have been in use in New Zealand for a relatively short time, however recent uptake has increased. They are now used in a range of applications where sensitive receiving environments, challenging terrain, or available capital constrains the development of traditional sewer systems. Other territorial authorities are considering the cost and benefits of system in the area.

Much work has been done. Around New Zealand early adopters of pressure sewer systems have been trialing equipment, developing their own technical standards and implementing a range of policies and ownership models. Elsewhere in the world pressure sewer schemes have been in use for more than 40 years and technical specifications for their use are well established.

PURPOSE: Currently there is no guidance or standard specification for pressure sewer systems in New Zealand. The purpose of the guide is to address this gap in order to;

- reduce up front cost in the development of policies and standards
- reduce the inconsistency in equipment specifications to reduce cost and complexity for suppliers
- facilitate the sharing of existing knowledge to improve the effectiveness of pressure sewer systems

DELIVERABLES: The project would be developed as a guideline made freely available through the Water New Zealand website. The guide will draw on existing New Zealand trails, technical specifications, policies and case studies, as well as technical specifications from international jurisdictions. Contents would cover;

- Decision tree guiding authorities through **costs and benefits** to consider when selecting pressure sewer systems
- Case studies of **ownership models**
- Examples of pressure sewer system **policies** adopted around New Zealand
- **Legislation** related to pressure sewer systems
- References to **technical specifications, design** standards and **modelling approaches** and their suitability for differing applications

SCOPE OF WORK: Project scope and deliverables will be overseen by a project advisory group, consisting of member of Water Services Managers Group representatives and subject matter experts. The advisory group will be responsible for the engagement of an appropriate consultant to deliver the work. Water New Zealand will provide administrative and project management support.

TIMETABLE: Delivered in 2017.

BUDGET: A maximum budget allowance of \$50,000 (excluding GST) will be provided to cover project management and consultancy fees. The project will be funded through the Water Services Managers Group project levy.

AUTHORITY: John Pfahlert, Water New Zealand CEO.

PROPOSER: The Water Services Managers Group.