

Cold Region Integrated Infrastructure Planning (CRIIP)

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CRIIP - A “planning” based process to integrated infrastructure development and sustainability in cold region communities.

The development and sustaining of infrastructure of infrastructure in cold region communities has always been influenced by a variety of financial, administrative, operational and regulatory factors. Over the past 10 years the complexity of these factors has increased substantially with changes to infrastructure in the form of available financial resources, the administrative structures, the operational responsibilities, and the regulatory environments.

Many of these changes have increased the overall complexity of infrastructure development and sustainability in cold region communities particularly at the community level. Many communities are finding the demands of complexities to be well beyond their financial and administrative resources, and as a consequence are placing themselves in very undesirable situations with regard to community funding and regulatory compliance.

A new broad based approach to infrastructure is needed to allow communities to incrementally address the demands.

Key elements of CRIIP

Spatial

What are the desired, required, and practical spatial relationships with cold region infrastructure?

Regulatory

What are the required regulatory relationships with cold region infrastructure?

Administrative

What are the desired, required and practical administrative relationships with cold region infrastructure?

Operational

What are the desired, required and practical operational relationships with cold region infrastructure?

Chronological

What are the desired, required and practical chronological relationships with cold region infrastructure?

Cultural

What are the desired, required and practical cultural relationships with cold region infrastructure?

Financial

What are the desired, required and practical financial relationships with cold region infrastructure?

Community

What are the desired, required and practical community relationships with cold region infrastructure?

Key Strategies of CRIIP

Combining knowledge

Combining resources

Combining perspectives

WHY AT THE “PLANNERS” LEVEL

Land use planners have a perspective that encompasses portions of most of the Key Elements, with the exception of operation and maintenance. This broad perspective is necessary to integrate what may be seen as very diverse elements.