State of Alaska
Governor's Climate Change Sub-Cabinet

Adaptation Advisory Group
Meeting #5

Public Infrastructure Technical Work Group

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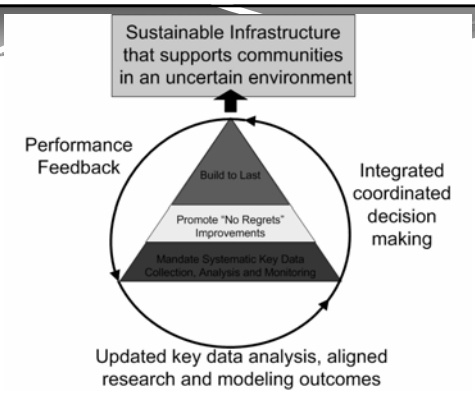
Public infrastructure are the *essential* facilities and utilities under public, cooperative or private ownership that deliver goods and services to communities.

Effects of higher temperature that pose primary risk to public infrastructure are:

- increased flooding and erosion
- decreased duration and extent of sea ice
- increased wind and precipitation
- thawing permafrost
- increased fire risk

PI TWG is recommending a systems approach.

- Vision Statement
- 3 required program components
- Continually updated communication loop
- Options come into play when deciding at what scale, at what time, and which area(s) to implement the system.



VISION

Sustainable infrastructure that supports communities in an uncertain environment.

Mandate Systematic Key Data Collection, Analysis & Monitoring

1. Baseline inventory and current conditions
2. Conduct hazard and vulnerability assessments
3. Analyze to identify future conditions and vulnerabilities
4. Identify adaptation measures and tools to assess and adopt options
5. Prioritize and coordinate research /computer modeling

Promote "No Regrets" Improvements

1. Provides benefits regardless of future climate changes
2. Enhances sustainability
3. Protects investments/increases return on investment

Build to Last

1. Meet or exceed design service life
2. Best in class life cycle costs/asset management practices
3. Able to withstand disasters and changing environment
4. Based on the best science and appropriate building codes & engineering standards

A Continuous Loop keeps the system working

- Integrated coordinated decision making,
- Performance feedback, and
- Updated key data analysis, aligned research and modeling outcomes.

Thank you!