

Framed conversation around: heat, power, water, sewage and health

Need

1. Inventory of every community in the state with characteristics related to this topic. This likely exists but what more is needed to enhance it for our purposes? Develop and implement a plan to gather that information.
2. Inventory of innovative strategies to address challenges of heat, power, water, sewage and water. Look to Arctic, Antarctic, tropics, space applications and other applications.
3. Identify unknown unknowns... impacts of desertification, emerging threatening microbiology, immigration, etc.
4. Perspectives of those in the disciplines traditionally associated with the big four plus other important groups... gardening, nutrition folks, social scientists

Analyze the above to provide a pathway to the future.

Develop educational component for all grades and levels related to water, sanitation, sewage, etc. and deliver.

Issues of importance:

1. Education piece above
2. Need funding for research and development funding to support using and evaluating innovative approaches, demonstration projects. Suggestion for a source of funding 1% for R & D on construction projects plus fees collected for construction violations.
3. Examination of use of insulation for homes and water and waste transport and processing systems. Concerns re: fire hazards and need to protect against freezing with power loss.
4. Need inventory of groups already working on these issues or on similar issues, collaborate with them, e.g. circumpolar health group, cold weather engineers, etc., Arctic Council.

Graduate students, provided with scholarships might be a good means of developing suggested inventories.

There is a need for ongoing meetings of this group. Not sure what it will look like but should be product oriented and move the effort forward. This gathering is unique and very valuable because it is not a group that usually gathers to discuss this important topic.