

ASTAR Project's Benefits Criteria & Community Perspectives

75th Anniversary of the Naval Arctic Research Laboratory
August 2022







Notable Quote

“I’ve always done that. Whether I went to some elders. My father was a great confidant. He always wanted to hear about large-scale development and advice. He would refer me to other elders where there was a project that would potentially impact...I brought that attention of you know to my father. He said, “Well I want you to take the time to visit Polly. Paul Kignik Sr. He has considerably more knowledge than me on that part in this area because I’ve known him to be intimately related to land features and to the landscape in those areas and he knows it like the back of his hand”. Those are some of the other ways we were able to use land management/science. Where you actually took the time and talk with and get advice from people who may know the land and then some elders would recommend something else. So I was exposed to that stuff. It provided you with a little bit more confidence. A little bit less stress when you came up with a consensus approach to meet a means”. – Bob (Winter 2015)



Kenneth Toovak



Harry Brower Sr.



Max Brewer



Chester Lampe



Pete Sovalik



John Schindler

Sources:

1. UAF Project Jukebox
2. Frank Pitelka's Alaska Images
3. Wasilla, Alaska, by 300



Learn about ASTAR's cumulative benefits & benefits criteria



Learn about community perspectives w/ applying ASTAR surveys



Learn how ASTAR tools & community perspectives can enhance Arctic science & engineering

Partnership

Between the State of Alaska Department of Natural Resources and the North Slope Borough (NSB)

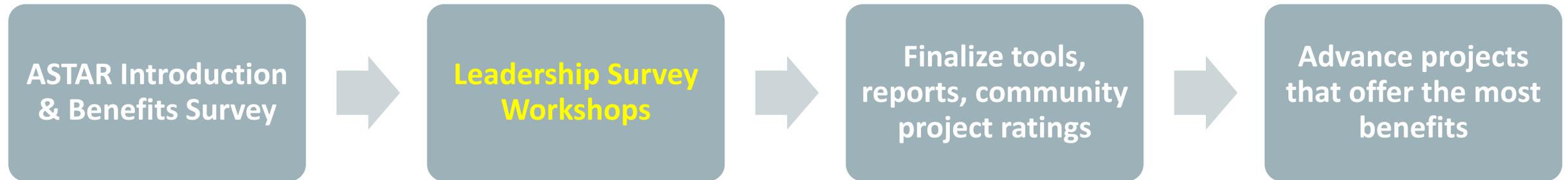
Purpose

To identify, evaluate, and advance opportunities to enhance the quality of life and economic opportunities in NSB communities through infrastructure development

Goal

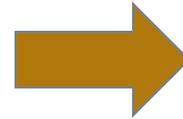
To prioritize community needs and identify infrastructure opportunities that offer the most cumulative benefit and best enhance the quality of life for the region





Cumulative Benefits

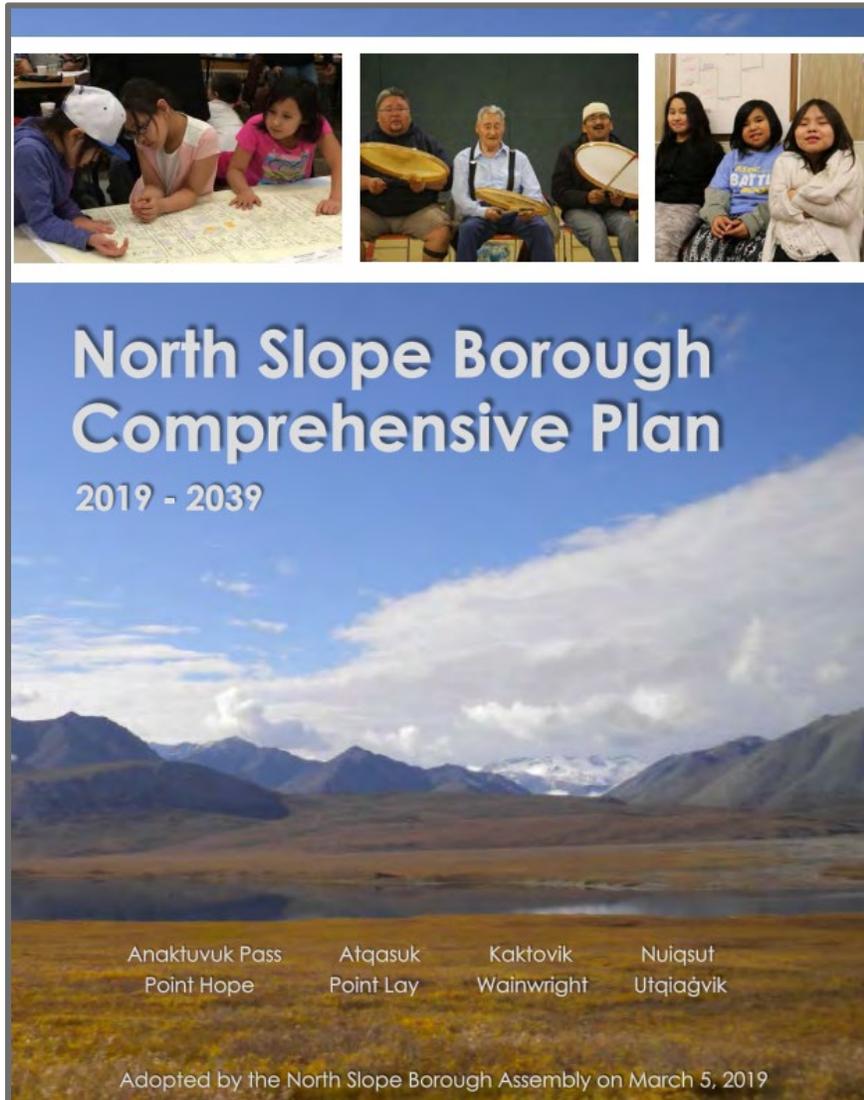
- Advance projects that provide greatest benefits to NSB communities/region
- Guided and assisted by the NSB & DNR



Benefits Criteria

- Criteria was inspired by the NSB Comprehensive Plans
- Identify a list of benefits from various comprehensive plans
- Vision > Identifying benefits





ASTAR Benefits Criteria

1. Supports Cultural Connectivity
2. Lowers Costs of Goods and Services
3. Preserves or Enhances Subsistence Traditions
4. Improves Health and Safety Conditions
5. Improves Access to Education Opportunities
6. Enhances Workforce Development





Survey 1: Projects Library Rating

- The libraries were created for the community leaders to identify, evaluate, and advance infrastructure projects that offer the most cumulative benefits to their community/region
- ASTAR team and community leadership reviewing the guide together



Project Fact Sheet *Draft*



Point Lay - Community Center Upgrades

Project Description:
This project would provide (unspecified) upgrades to the Point Lay Community Center building.

Communities:
Point Lay

Project Benefits:
Workforce Development, Cultural Connectivity, Education

Proponent
Point Lay Comprehensive Plan 2017-2037

References:
Point Lay Comprehensive Plan 2017-2037:
Adopted by the North Slope Borough on October 10., 2017. NSB Assembly Ordinance #75-06-70, NSB Planning Commission Resolution #2017-10, Native Village of Point Lay #2017-07



ARCTIC STRATEGIC TRANSPORTATION AND RESOURCES
Mission: Identify, evaluate, and advance opportunities to enhance the quality of life and economic opportunities in North Slope communities through responsible infrastructure development.
Goal: Prioritize community needs and identify infrastructure opportunities that offer the most cumulative benefit and best enhancement of the quality of life for the region.



Survey 2: Pairwise Comparison Survey

- Community compared the benefits criteria in pairs and make decisions as to which of the two is more important and by how much
- The PWCS added a weighted score to the projects library rating survey

	Benefits Criteria 1	Extremely More Important	Very Strongly More Important	Strongly More Important	Moderately More Important	Equally Important	Moderately More Important	Strongly More Important	Very Strongly More Important	Extremely More Important	Benefits Criteria 2
1	Improves Health & Safety Conditions	9	7	5	3	1	3	5	7	9	Enhances Workforce Development
2	Improves Health & Safety Conditions	9	7	5	3	1	3	5	7	9	Supports Cultural Connectivity

Iñupiaq Culture & Science

- Mindful consensus/resolution-building approach
- Compared to “aye or nay” voting on rating
- Time and patience needed on workshop ratings

Community Perspectives & Creativity

- Projects library rating
 - Combining & rating projects to increase benefits
 - Local leadership getting creative and listening viewpoints on how to strengthen projects that provide higher cumulative benefits
- Pairwise comparison survey
 - Elders/youth working on surveys together and how much
 - Listening to each
- ASTAR team listening, learning, and facilitating

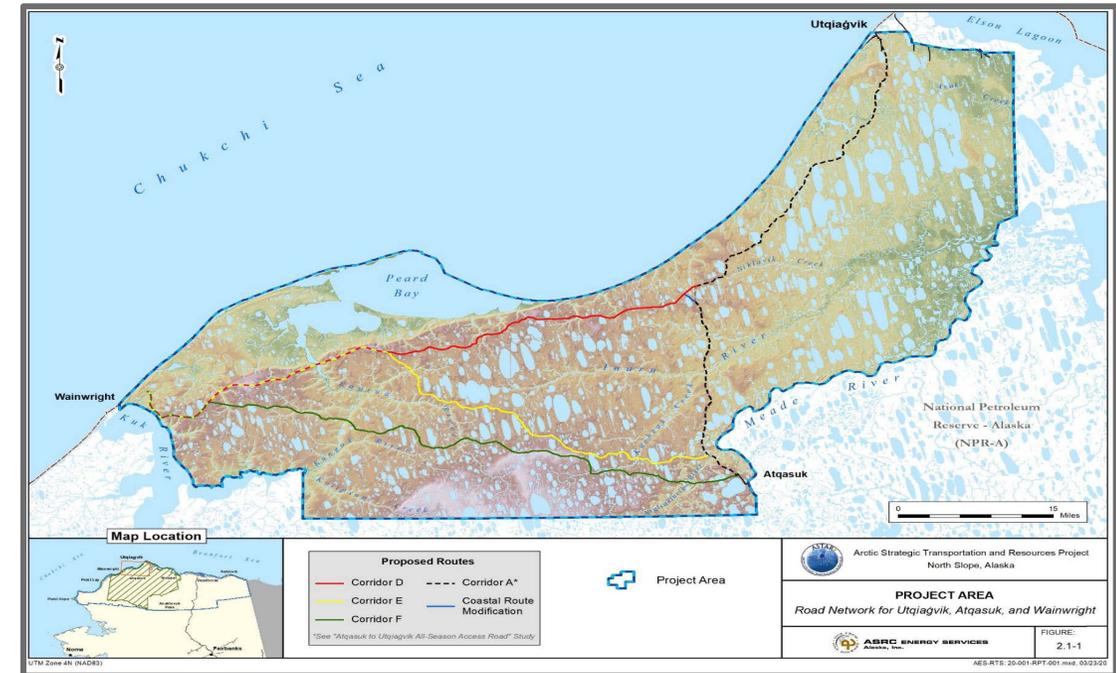


Tools Training Sessions

- Project Evaluation Tool
- Infrastructure Site Selection Tool
- Laptop per community with data

Route Analysis & Reports

- Triangle Road Project
- Utqiagvik to Colville River
- Colville River Crossing Route
- Workforce Development Plan
- Transportation Plan
- Community Projects Library



ASTAR Studies: <http://www.north-slope.org/departments/planning-community-services/arctic-strategic-transportation-and-resources-astar>

GIS Info: <https://catalog.northslopescience.org/dataset/2320>

ASTAR Project

- Learned how community perspectives can strengthen and improve science & create synergy



We hope you feel like ASTAR tools

- Improve brainstorming future Arctic science
- Identify economic development for the NSB
- Assist in meeting NARL research needs



Lastly

- Enhancing Arctic science & engineering by applying community perspectives brings everyone together
- Shows that it benefits the NSB and its community members





Quyanaqqak Thank You

