Bringing Affordable, High-quality Broadband to ALL Alaskans & the Arctic!

November 2020 | Pacific Dataport, Inc. | Anchorage, Alaska
Goal #1 – Connect ALL Alaskans to the Internet Like Never Before!

Better health care, distance education, commerce opportunities and emergency response
Greatly reduces Alaska’s digital divide
The Aurora Project will allow Pacific Dataport to drop a terminal in ANY community starting right now
Then next summer, we turn up signal and we have instant backhaul
Any Tribal entity, telecom, school, health clinic or entrepreneur that wants to offer cellular or broadband can benefit from our satellite networks!
Building On Our Experience ...
The Aurora Project

Phase I – Aurora 4A Satellite
- GEO HTS
- ~7.5 Gbps
- West 163°

Phase 2 – Aurora IV Satellite
- GEO VHTS
- ~70 Gbps
- West 154°
New Technology

“...HTS differs from traditional wide-beam ("legacy") satellite technology in that it is capable of providing orders of magnitude more capacity (i.e., 10s or 100s of gigabits) in highly concentrated areas, using the same amount of allocated orbital spectrum. In addition, the application of micro-miniaturization, digital processing, and beam forming—combined with substantial reductions in the cost of launching satellites to orbit—enable this new generation of satellites to provide highly reliable, high-capacity broadband at prices that are competitive with terrestrial alternatives.”*

* 2019 Alaska Broadband Plan

Aurora Project Satellite Capacity Comparison

| (1) Aurora 4A | = | (5.2) Ku Satellites | = | (11.5) C Band Satellites |
| (1) Aurora IV | = | (55.25) Ku Satellites | = | (123) C Band Satellites |

Comparison is based on the following technical capacity parameters:
- Aurora 4A = 7.5 Gbps (7500 Mbps)
- Aurora IV = 80 Gbps (80,000 Mbps)
- Ku Satellite = 1.448 Gbps (1,448 Mbps)
- C Band Satellite = .650 Gbps (650 Mbps)
AURORA SYSTEM ARCTIC COVERAGE
AURORA SYSTEM ALASKA COVERAGE
Internet access everywhere, for everyone!
- LEO Constellation: 74 launched of 650+ satellites
- Low latency solution
- Geographically covering 100% of Alaska & the Arctic
- Pacific Dataport is OneWeb’s exclusive distribution partner for Alaska and Hawaii
LEO/GEO HTS
Hybrid System

LEO – High-Capacity Broadband
GEO HTS – Everyday Broadband

“Our LEO/GEO HTS Hybrid creates a system that will fit your needs most economically regarding both time and budget.”
SATELLITE COMMITMENTS TO ALASKA

<table>
<thead>
<tr>
<th>Satellite Provider</th>
<th>Committed to Serving Alaska</th>
<th>Date In Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>PACIFIC DATAPORT</td>
<td>YES – 100% Coverage</td>
<td>Summer 2021</td>
</tr>
<tr>
<td>ONEWEB</td>
<td>YES – 100% Coverage</td>
<td>Summer 2021</td>
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<tr>
<td>KUIPER (AMAZON)</td>
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<td>-</td>
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<tr>
<td>Telesat LEO</td>
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<tr>
<td>STARLINK (SPACEX)</td>
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<td>-</td>
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<tr>
<td>O3B</td>
<td>No</td>
<td>-</td>
</tr>
</tbody>
</table>
STARLINK SYSTEM ARCTIC COVERAGE

North Bend, WA
Conrad, MT
Merrillan, WI
Greenville, PA
Redmond, WA
Hawthorne, CA
Brewster, WA
ONEWEB SYSTEM ARCTIC COVERAGE
Talkeetna Gateway

- 90 Acre Site
- Able to host multiple gateway clients
- First client is OneWeb
- Statewide reach
- Over $10m invested
Sign the CHANGE.ORG petition to bring affordable broadband to ALL of Alaska
Sign up to get broadband when it comes to your community
Read about current news and new developments in broadband technology
Join the Association as a community member or business in the industry

www.alaskabroadbandassociation.com!
Frequently Asked Questions...

Who can I call for the new GEO and LEO systems coming online?
Pacific Dataport is a wholesaler and Microcom is a retailer.

How can I help?
Tell your State Legislators you want more affordable broadband.

How do you address latency?
Our hybrid service offers the best option that best fits your needs.
Stronger Together!
Coming Summer 2021!

www.alaskabroadbandassociation.com
www.pacificdataport.com
www.microcom.tv