Alaska Telephone Association

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Christine O'Connor
Executive Director

May 20, 2016

Ms. Marlene Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Room TW-A325
Washington, DC 20554

RE: Ex parte filing in WC Docket No. 10-90

Dear Ms. Dortch:

Alaska Telephone Association member companies submit additional information in the attached performance obligations detailing improvements in mobile broadband service which will be enabled through adoption of the Alaska Infrastructure Fund.

Pursuant to Section 1.1206 of the Commission's rules, this ex parte letter is being filed via ECFS in WC Docket 10-90.

Respectfully submitted,

Via ECFS 5/20/2016

Christine O'Connor
Executive Director

cc: Jim Schlichting
Peter Trachtenberg
Claire Wack
Matthew Warner

Copper Valley Wireless, LLC

Middle Mile	Population 2010 Census (Note 1)	Spectrum Codes (477 Code)	Population Served 12/31/14 (Note 2)	% Base Population Served 12/31/14	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds	5 Year Base Population Served	5 Year % Total Population Served	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds	10 Year Total Base Population Served (Note 4)	10 Year % Population Served	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds
Satellite														
Microwave	2,426	90												
			2,377	98%	83	10MB/3MB	2,377	98%	83	10MB/3MB	2,377	98%	83	10MB/3MB
Fiber	6,708	90												
			202	3%	85	1MB/.8MB								
			6,171	92%	83	10MB/3MB	6,373	95%	83	10MB/3MB	6,373	95%	83	10MB/3MB

Note 1: Population per 2010 Census in service area. Excludes population served by AT&T and/or Verizon at 4G LTE using their infrastructure.
Note 2: Percentage of population served at benchmark speeds as of 12/31/14.
Note 3: Year 1 is 2017
Note 4: By Year 10, there will be 2% of the population in the region served by fiber middle mile and 5% of those in regions served by microwave middle mile that will remain unserved by wireless broadband. This is because this population lives in remote cabins, off the grid, or in other difficult to reach locations.

Cordova Wireless

	Notes 1 & 4		Note 2											
Middle Mile	Population 2010 Census	Spectrum Codes (477 Code)	Population Served 12/31/14	% Base Population Served 12/31/14	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds	5 Year Base Population Served	5 Year % Total Population Served	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds	10 Year Base Population Served	10 Year % Population Served	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds
Satellite														
Microwave														
Fiber	2,400	91	2,400	100%	86	Voice Only	2,400	100%	83	10Mb/1Mb	2,400	100%	83	10Mb/1Mb

Note 1: Population per 2010 Census in service area. Excludes population served by AT&T and/or Verizon at 4G LTE using their infrastructure.
Note 2: Percentage of population served at benchmark speeds as of 12/31/14.
Note 3: Year 1 is 2017
Note 4: Population revised from May 9, 2016 filing to exclude seasonal fluctuations.

OTZ Wireless

Middle Mile	Base Population 2010 Census (Note 1)	Spectrum Codes (477 Code)	Base Population Served 12/31/14 (Note 2)	% Base Population Served 12/31/14	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds	5 Year Base Population Served (Note 5)	5 Year % Total Population Served	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds	10 Year Total Base Population Served	10 Year % Population Served	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds
Satellite	7,523	91	4,712	62.6%	86	No Data available	0 (Note 4)							
		91					4,317	57.4%	83	2Mb/0.5Mb	4,317	57.4%	83	2Mb/0.5Mb
Microwave														
Fiber														
		91					3,206	100%	83	4Mb/1Mb	3,206	100%	83	4Mb/1Mb

Note 1: Population per 2010 Census in service area. Excludes population served by AT&T and/or Verizon at 4G LTE using their infrastructure.
Note 2: Population served at benchmark speeds as of 12/31/14. The difference between Base Population 2010 Census and Base Population Served as of 12/31/2014 is the unserved population as of that date.
Note 3: Year 1 is 2017.
Note 4: OTZ plans on sunsetting GSM voice-only service.
Note 5: Kotzebue will be the only location served with fiber backhaul, all other locations will be served with satellite backhaul.

TelAlaska Cellular, Inc.

Middle Mile	Population 2010 Census (Note 1)	Spectrum Codes (477 Code)	Population Served 12/31/14	% Base Population Served 12/31/14 (Note 2)	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds	5 Year Base Population Served	5 Year % Total Population Served	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds	10 Year Base Population Served	10 Year % Population Served	Technology Of Transmission (477 Code)	Minimum Expected Download/ Upload Speeds
Satellite	15,198	91	14,590	96%	86	256 Kbps/ 256 Kbps	6,079	40%	86	256 Kbps/ 256 Kbps	3,040	20%	86	256 Kbps/ 256 Kbps
		91	2,888	19%	80	1.0 Mbps/ 128 Kbps	4,863	32%	80	1.0 Mbps/ 128 Kbps	6,231	41%	80	1.0 Mbps/ 128 Kbps
		91					3,800	25%	83	1.0 Mbps/ 128 Kbps	5,623	37%	83	1.0 Mbps/ 128 Kbps
Microwave														
Fiber														

Note 1: Population per 2010 Census in service area. Excludes population served by AT&T and/or Verizon at 4G LTE using their infrastructure.
Note 2: Percentage of population served at benchmark speeds as of 12/31/14.
Note 3: Year 1 is 2017
Note 4: Population Served Changes - The 2010 census population served at 12/31/14 is 96% covered by 2G technology. In addition, there is also 3G coverage, an overlap in technologies covering 19% of total population. In year 5, the technology used is transitioning off of 2G, a decrease of approximately 56%. At the same time, 3G technology is growing and 4G technology is being implemented. The decrease in population served by the transition away from 2G is greater than the population served by 3G and 4G. Overall, population served has increased from 96% to 97%. Similarly, in year 10, an additional 20% are transitioned off of 2G. 3G and 4G service continues to grow. Total population served increases to 98%.

TelAlaska Cellular, Inc. (TCI) service area is 100% served by satellite middle mile. The physical limitations of satellite middle mile do not allow for latency below 100 milliseconds. In addition, cost factors do not allow for data allowance at or above 150,000 MB. Upload and download speeds are also limited due to the high cost of satellite bandwidth.