

Wireless Telecommunications Committee Annual Report for Calendar Year 2018

*Yellowstone National Park
January 1, 2018 to December 31, 2018*

The purpose of the Telecommunications Committee is to:

1. Receive and address requests for wireless service
2. Ensure proposals adhere to the wireless communications plan
3. Make recommendations to the Superintendent regarding any action to be taken.

2018 Proposals Rcvd.	Date Received	Recommendation	Superintendent
1 Sprint Cell Collocation on Verizon site at Elk Plaza (Mammoth)	01/31/2018	Approve pending compliance	Approve pending compliance
2 Delaware North Satellite ISP 1 Location	02/14/2018	Approve	Approved
3 AccessParks Radio Links	3/12/2018	Reject	Rejected
4 Teton Communications ROIP Land Mobile Radio	07/18/2018	Pending ROW application	
5 Delaware North Satellite ISP 3 Locations	11/01/2018	Approve	Approved

Recommended:

Bret De Young
 Bret De Young _____ 7/5/2019
 Wireless Committee Representative Signature Date

Approved:

Cam Sholly
 Cam Sholly _____ 7/8/19
 Superintendent Signature Date

Public comments were collected and considered throughout the scoping and planning process for the Wireless Communications Services Plan Environmental Assessment (EA). In lieu of public meetings, the NPS provides this annual report, available to the public, which includes; a list of proposals received/reviewed by the Wireless Telecommunications Committee (WTC), recommendations from the WTC to the Superintendent, action taken by the Superintendent, and a summary of each proposal. The Committee consists of four representatives from Park Planning, Resource Management, and Telecommunications and is led by the Supervisory Telecommunications Specialist.

Summary of Proposals Received:

1 Sprint Cell Collocation on Verizon site at Elk Plaza (Mammoth)

Sprint proposes to collocate onto the existing Verizon Wireless self-support tower located at Mammoth (Elk Plaza). On this existing communications tower Sprint will install (3) 51.1" x 10.6" x 5.2" antennas, and (1) RRH unit directly behind the antennas. On the ground Sprint will install a 24" x 24" x 84" cabinet inside the existing shared (Verizon) shelter. On the north-west side within the existing compound Sprint will also install a 6' satellite dish. Sprint would operate 24/7 for up to 10 years. All equipment would be installed within the existing compound.

The final decision is pending completion of a land valuation appraisal to establish use and occupancy fees.

2 Delaware North Satellite ISP 1 Location

To install HughesNet Gen5 satellite dish at Grant Village General Stores for business internet service to supplement the existing T1 for the site.

<https://internet.hughesnet.com/gen5.html>

<https://internet.hughesnet.com/faqs/installation/>

The additional bandwidth is required to support point-of-sale (POS) and guest-facing technology and will be securely managed through Delaware North's firewall.

The Committee recommended approval of this request as it is consistent with Yellowstone's Wireless Communications Services Plan.

3 AccessParks Radio Link

Application for gigabit microwave point-to-point wireless radio system to provision uncapped Broadband Internet services (min 25Mbps) to Yellowstone employee housing at Canyon, Lake, Grant, Mammoth and Old Faithful. Five, 6-foot diameter microwave antennas with three located inside the Verizon microwave vault, and two mounted on the new Verizon antenna structure.

The Committee recommended that application be rejected as the applicant did not describe the complete facilities and equipment that would be required to meet the objective of transporting Broadband Wireless to employee housing in Yellowstone's interior. Also, the five proposed microwave dishes were shown mounted on a structure that was not approved at the time of the application.

The Committee may reconsider its recommendation if the application is resubmitted and complete.

4 Teton Communications Mobile Radio over Internet for Xanterra Parks and Resorts Operations

Teton Communications submitted a proposal to install a new UHF digital radio system in Concessioner facilities. The proposed Nexedge system is interconnected via a Xanterra's ethernet local area network.

This system is similar to cell phones in that the radios roam between towers, and audio is sent to all sites having registered radio users. This Land Mobile Radio system would improve Concessions Business Communications for Xanterra Parks and Resorts tour guide operations, maintenance staff, and towing and repair operations for Yellowstone Park Service Stations.

New radio equipment would be located at Mammoth Hotel, Madison Campground, Gardiner Transportation Building, Lake Hotel, Grant Village Reservations, and the Old Faithful Bus Barn.

This proposal is for vendor owned equipment and Yellowstone may need an application for a Telecommunications Right-of-Way at Mammoth, Madison, Gardiner, Lake, Grant, and Old Faithful.

5 Delaware North Satellite ISP 3 Locations

To install HughesNet Gen5 satellite dish at Old Faithful Upper, Fishing Bridge, and Canyon General Stores (same was what was installed in 2018 for Grant General Store) for business internet service to supplement the existing T1 for the site.

<https://internet.hughesnet.com/gen5.html>

<https://internet.hughesnet.com/faqs/installation/>

The additional bandwidth is required to support POS and guest-facing technology and will be securely managed through Delaware North's firewall.

The Committee recommended approval of this request as it is consistent with Yellowstone's Wireless Plan.