

Wireless Telecommunications Committee

Annual Report for Calendar Year 2016

Yellowstone National Park
January 1, 2016 to December 31, 2016

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.

	Proposals Received	Date Received	Recommendation	Superintendent
1	Verizon Wireless tower construction at Canyon	11/16/2015	Approve	Approve
2	Xanterra installation of wireless internet at Roosevelt staff facilities	02/16/2016	Approve	Approve
3	Xanterra installation of Wi-Fi at Mammoth Hotel Conference Room	03/01/2016	Approve	Approve
4	YELL Tech Services construction of Radio Tower at Tower Ranger Station	09/15/2016	Approve	Approve
5	USGS relocation of YVO Webcam from Biscuit Basin to Lake Yellowstone	10/03/2016	Approve	Approve
6	Verizon Wireless equipment enhancement at Elk Plaza	10/10/2016	Approve	Approve
7	AT&T equipment enhancement on Mount Washburn	11/30/2016	Rejected	Rejected

Recommended:

Bret De Young

Wireless Committee Representative

Signature

Date

Approved:

Daniel N. Wenk

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 – Verizon tower construction at Canyon

Verizon Wireless requests to build a mono pole cell tower with cellular antennas and a microwave dish at the existing CenturyLink microwave tower site in the Canyon NPS Maintenance area in order to provide cellular service and data to the Canyon developed area. An 11'-6" x 25'-5" equipment building with a diesel generator housed inside will contain radio equipment and facilitate future collection for other wireless providers.

2 – Xanterra installation of wireless internet at Roosevelt living quarters

Xanterra Parks and Resorts requests approval from the NPS to install and provide wireless internet access for Xanterra employees at their Roosevelt living quarters. Xanterra proposes careful placement of antennas in order to prevent signals from reaching the historic Roosevelt lodge to preserve the expected visitor experience. The access point technology used will prohibit guest access to the Wi-Fi service.

3 – Xanterra installation of Wi-Fi internet at Mammoth Hotel

Xanterra Parks and Resorts requests installation of administrative Wi-Fi internet in an all-purpose conference room in the Mammoth Hotel. Installation is expected to start sometime during the Spring of 2017.

4 – YELL Tech Services construction of tower at Tower Ranger Station

NPS Tech Services/Radio Shop requests relocation of base station and antenna from Tower Backcountry Office to the Tower Ranger Station. Project involves constructing a new 40-foot lattice tower near the west end of the ranger station. Project start date is Spring 2017. The ranger station and tower construction site is located outside of the Tower Historic District.

5 – USGS relocation of YVO Webcam to Lake

USGS project (a continuation request) to use and relocate the YVO webcam from east of Biscuit Basin overlook to a height of 75 feet on the existing Verizon tower at Lake. This portable webcam system will allow YCO staff to remotely monitor a geologic feature subject to recent and unpredictable thermal activity, as well as provide a positive educational outreach component of the YVO program.

6 – Verizon equipment enhancement at Elk Plaza

Verizon Wireless proposes to remove two (2) existing omni antennas and add four (4) panel antennas, six (6) RRHs, two (2) OVPs, and two (2) hybridflex cables. Future equipment is captured in this design and includes two (2) RRHs, one (1) OVP, and one (1) hybridflex cable. The purpose of the equipment replacement is to improve the quality of the existing service and promote signals to developed areas, while controlling spillover to unintended areas in accordance with the Yellowstone Wireless Plan.

7 – AT&T equipment enhancement on Mount Washburn

AT&T proposes the addition of one (1) panel antenna and one (1) remote radio head on each sector adjacent to their existing antennas/radios on the Mount Washburn Fire Lookout hand railing. This would include a total of three (3) sector panels and three (3) radios. A Structural analysis would be ordered for the handrail to determine if it is capable of supporting the additional equipment.

National Park Service
U.S. Department of the Interior



Yellowstone National Park
Idaho, Montana, Wyoming

PROPOSAL for NEW WIRELESS SERVICE

Section 1 - To be completed by the Applicant

Applicant name:	Patricia Zittleman	Organization:	Technology Associates EC, INC d/b/a Verizon Wireless
Date:	November 16, 2015	Park Location:	CAN
Telephone:	206.883.7031	Email:	patricia.zittleman@taec.net
Description of the Proposal: <i>Describe your proposal and include the location, duration of the installation, and type of equipment. If you have photo simulations, drawings, and cut-sheets, they should be submitted with this form. Contact Bret De Young at (307) 344-2070 if you have questions about this submittal.</i>	<p>Verizon requests to build a 90 foot mono pine cell tower with cellular antennas and a microwave dish at the existing CenturyLink microwave tower site in the Canyon NPS Maintenance area in order to provide cellular and data to the Canyon developed area. An 11'-6"x 25'-5" equipment building with a diesel generator housed inside will contain radio equipment and facilitate future collocation for other wireless providers.</p> <p>The building will be placed on a concrete foundation and a surrounded with gravel. Nine (9) existing trees will be removed. Verizon will also extend buried power line approximately 105' from the existing utility pole west of the proposed building location to a new H-Frame. The power conduit will be underground in a 36" below-grade trench. The mono pine will extend approximately 20' above the dense canopy of trees and will be located a distance of ¼ to 1 mile from the grand loop road historic district. Photo sims indicate that it would be invisible from the road and areas open to the public.</p> <p>See attached drawings and photo simulations.</p>		

Section 2 - To be completed by the Wireless Committee

Does this proposal adhere to the Wireless Communications Plan?

☒ Yes ☐ No

<u>Reviewed By:</u>	<u>Name (print):</u>	<u>Signature:</u>	<u>Date:</u>
Compliance Rep	Doug Madsen		12/21/16
Cultural Resources	Tobin Roop		12/20/16
Resource/Edu/Media	Tami Blackford		12/20/2016
Radio/Telecomm	John Darr		12/20/2016
Chair (Telecom)	Bret De Young		12/20/2016

Recommended action by the Committee:

- ☒ Approve the proposal for service (no additional compliance or permitting is required)
- ☒ Approve pending additional compliance and/or permitting (right-of-way, NEPA, Section 106)
- ☐ Reject the proposal

Remarks from the Committee:

Under Preferred Alternative C adopted by the 2009 FONSI, cell phone coverage is allowed to continue at areas where it currently exists (Mammoth, Canyon, Tower-Roosevelt, Old Faithful and Grant developed areas). This installation would improve existing services to the Canyon developed area while limiting spillover to roadways, and Recommended Wilderness. The proposed tower would be unobtrusive through the use of the best available stealth technologies and screening with vegetation and existing topography and does not diminish the physical or visual integrity of cultural resources.

Section 3 - To be completed by the Superintendent

Superintendent Action:

- ☐ Approve the proposal for service (no additional compliance or permitting is required)
- ☒ Proceed with the permitting process
- ☐ Reject the proposal

Superintendent Signature:

David W. Weir

Date:

1/4/2017

Comments:

Telecommunications Committee

This FONSI modifies Alternative C by clarifying the role of the Telecommunications Committee. To clarify, this committee will 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.

The committee will ensure that any new proposals follow the intent of the preferred alternative (i.e. proposals will need to fall within the actions and areas discussed in the alternative and adhere to the limitations imposed under the preferred alternative). Any new proposals to install additional wireless communications services, repeater sites, or equipment will be reviewed by the park Telecommunications Committee, which is led by the telecommunications specialist and comprised of members from compliance and resource programs. This committee will review each proposal for purpose and need, resource impacts, and adherence to the guidance established by this plan, NPS DO-53, frequency coordination, and permitting by the FCC. The committee will also determine whether each proposal meets the objectives of the plan. The committee will make recommendations to the superintendent regarding the allowance of new or altered Wireless Communications Facilities (WCFs). The committee will also update the criteria established in this plan based on technology changes, make recommendations based on new technology, and document all decisions regarding wireless communications projects. Also as a point of clarification, as a part of the committee process, site specific consultation for National Register listed or eligible property (such as Mt. Washburn, Old Faithful) will take place between the NPS and the Wyoming State Historic Preservation Officer (SHPO) to comply with Section 106 of the National Historic Preservation Act. The NPS will write a short annual report that will be available to the public, and include a list of proposals received, proposals reviewed, what decisions were made, and what actions were taken. If proposals are received that entail actions outside of the scope of the Wireless Communications Plan EA, a separate scoping and public review process will take place under a new NEPA document.

From Page 2 of the WIRELESS COMMUNICATIONS SERVICES PLAN – FINDING OF NO SIGNIFICANT IMPACT, April 7, 2009

National Park Service
U.S. Department of the Interior



Yellowstone National Park
Idaho, Montana, Wyoming

PROPOSAL for NEW WIRELESS SERVICE

Section 1 - To be completed by the Applicant

Applicant name:	Jim McCaleb	Organization:	Xanterra Parks and Resorts
Date:	2/16/2016	Park Location:	Roosevelt Employee Housing
Telephone:	307-344-5209	Email:	jmccaleb@xanterra.com
Description of the Proposal:	<p>Xanterra Parks and Resorts requests approval from the NPS to install and provide wireless Internet access for Xanterra employees at their Roosevelt living quarters.</p> <p>Xanterra proposes careful placement of antennas in order to prevent signals from reaching the historic Roosevelt lodge to preserve the expected visitor experience. The access point technology used will prohibit guest access to the wi-fi service..</p> <p>Xanterra's Wi-Fi requires employee id numbers to access the employee internet service provider.</p>		
<p><i>Describe your proposal and include the location, duration of the installation, and type of equipment. If you have photo simulations, drawings, and cut-sheets, they should be submitted with this form. Contact Bret De Young at (307) 344-2070 if you have questions about this submittal.</i></p>			

Section 2 - To be completed by the Wireless Committee

Does this proposal adhere to the Wireless Communications Plan?

☒ Yes ☐ No

<u>Reviewed By:</u>	<u>Name (print):</u>	<u>Signature:</u>	<u>Date:</u>
Compliance Rep	Doug Madsen		2-23-16
Cultural Resources	Tobin Roop		2/23/16
Resource/Edu/Media	Tami Blackford		2/23/16
Radio/Telecomm	John Darr		3/1/16
Chair (Telecom)	Bret De Young		3/1/2016

Recommended action by the Committee:

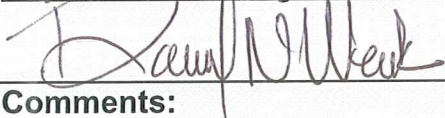
- ☒ Approve the proposal for service (no additional compliance or permitting is required)
- ☐ Approve pending additional compliance and/or permitting (right-of-way, NEPA, Section 106)
- ☐ Reject the proposal

Remarks from the Committee:

In the seven years since the FONSI was signed into effect in April 2009, park visitors have gained better mobile access to the Internet through cellular enabled devices. Internet access through cellular providers has become indistinguishable from internet access through Wi-Fi services. We see no rationale to prohibit wi-fi services in areas where the Wireless Communications Plan FONSI allows for cellular services, in this case where it currently exists at Tower-Roosevelt, as approved in the Wireless Telecommunications Plan.

Section 3 - To be completed by the Superintendent**Superintendent Action:**

- ☒ Approve the proposal for service (no additional compliance or permitting is required)
- ☐ Proceed with the permitting process
- ☐ Reject the proposal

Superintendent Signature:**Date:**

3/1/2014

Comments:**Telecommunications Committee**

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National Park Service
U.S. Department of the Interior



Yellowstone National Park
Idaho, Montana, Wyoming

PROPOSAL for NEW WIRELESS SERVICE

Section 1 - To be completed by the Applicant

Applicant name:	Mia Bell	Organization:	Xanterra Parks & Resorts, Inc.
Date:	3/1/16	Park Location:	Mammoth
Telephone:	307-344-5253	Email:	mbell@xanterra.com
Description of the Proposal: <i>Describe your proposal and include the location, duration of the installation, and type of equipment. If you have photo simulations, drawings, and cut-sheets, they should be submitted with this form. Contact Bret De Young at (307) 344-2070 if you have questions about this submittal.</i>	In spring 2017, after the remodel of the Mammoth Hotel, our reservations offices will be converted into an all-purpose room for the purpose of presentations, etc. We request that Xanterra be allowed to provide administrative wi-fi Internet (access only by password).		

Section 2 - To be completed by the Wireless Committee

Does this proposal adhere to the Wireless Communications Plan ☒ Yes ☐ No ☐ Administrative Use

<u>Reviewed By:</u>	<u>Name (print):</u>	<u>Signature:</u>	<u>Date:</u>
Compliance Rep	Doug Madsen		4-14-16
Cultural Resources	Tobin Roop		4/14/16
Resource/Edu/Media	Tami Blackford		4/14/16
Radio/Telecomm	John Darr		4/14/16
Chair (Telecom)	Bret De Young		4/14/2016

Recommended action by the Committee:

- ☒ Approve the proposal for service (no additional compliance or permitting is required)
☐ Approve pending additional compliance and/or permitting (right-of-way, NEPA, Section 106)
☐ Reject the proposal

Remarks from the Committee:

NONE

Section 3 - To be completed by the Superintendent**Superintendent Action:**

- ☒ Approve the proposal for service (no additional compliance or permitting is required)
☐ Proceed with the permitting process
☐ Reject the proposal

Superintendent Signature:**Date:**

Kimberly Young, Acting

4-15-16

Comments:**Telecommunications Committee**

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National Park Service
U.S. Department of the Interior



Yellowstone National Park
Idaho, Montana, Wyoming

PROPOSAL for NEW WIRELESS SERVICE

Section 1 - To be completed by the Applicant

Applicant name:	John Darr	Organization:	Technology Services/Radio Shop
Date:	9/15/2016	Park Location:	Tower Junction
Telephone:	307-344-2431	Email:	John_darr@nps.gov
Description of the Proposal:	<p>Relocate Tower base station and antenna from Tower Backcountry Office (BCO) to Tower Ranger Station. Project involves constructing new 40 foot lattice tower near west end of ranger station. Project start date is Spring 2017. Current antenna is mounted on aging wooden light pole near BCO. The new tower is 2 foot wide at base with a 4' x 4' concrete foundation. A small ice bridge will span ten feet between building and tower. Relocate 30"L x 26"W x 50"H radio and power supply/battery cabinet from BCO to ranger station.</p> <p>Justification: The Tower Junction BCO is too small to adequately house the radio cabinet. It currently resides in the backcountry movie viewing room, where it is sometimes not accessible for maintenance. The wooden light pole is aging and in need of replacement. Our 20 foot antenna atop the 24 foot wood pole is highly visible from the highway. Moving the base station cabinet and constructing a solid 40 foot antenna will improve visual impact from highway and visitors, improve radio technician access to equipment for maintenance and improve radio antenna propagation by moving to higher elevation and adding 15 feet of secure structure. In addition, the network link to 700 will be more secure because the network feed also resides in the ranger station. The ranger station and tower construction site lies outside the Tower Historic District.</p>		
<p><i>Describe your proposal and include the location, duration of the installation, and type of equipment. If you have photo simulations, drawings, and cut-sheets, they should be submitted with this form. Contact Bret De Young at (307) 344-2070 if you have questions about this submittal.</i></p>			

Section 2 - To be completed by the Wireless Committee

Does this proposal adhere to the Wireless Communications Plan? ☒ Yes ☐ No

<u>Reviewed By:</u>	<u>Name (print):</u>	<u>Signature:</u>	<u>Date:</u>
Compliance Rep	Doug Madsen		9/19/16
Cultural Resources	Tobin Roop		9/19/16
Resource/Edu/Media	Tami Blackford		9/19/16
Radio/Telecomm	John Darr		9/15/16
Chair (Telecom)	Bret De Young		9/15/16

Recommended action by the Committee:

- ☐ Approve the proposal for service (no additional compliance or permitting is required)
- ☒ Approve pending additional compliance and/or permitting (right-of-way, NEPA, Section 106)
- ☐ Reject the proposal

Remarks from the Committee:

This proposals for additional radio equipment was reviewed by the park Telecommunications Committee and was determined to be consistent with the Wireless Communications Services FONSI which states under "NPS Radio" that the park will upgrade and install new equipment and functions to the NPS radio system as needed to meet changing technology, federal mandates, and park needs.

Pending WY SHPO consultation. The Tower Ranger Station is outside of the boundaries of the Historic District.

Section 3 - To be completed by the Superintendent

Superintendent Action:

- ☒ Approve the proposal for service (no additional compliance or permitting is required)
- ☐ Proceed with the permitting process
- ☐ Reject the proposal

Superintendent Signature:

[Handwritten Signature], Deputy Superintendent

Date:

9/20/2016

Comments:

Telecommunications Committee

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National Park Service
U.S. Department of the Interior



Yellowstone National Park
Idaho, Montana, Wyoming

PROPOSAL for NEW WIRELESS SERVICE

Section 1 - To be completed by the Applicant

Applicant name:	Lowenstern, Jacob	Organization:	USGS
Date:	10/03/2016	Park Location:	Lake
Telephone:	650-329-5238	Email:	jlwnstrn@usgs.gov
Description of the Proposal:	<p>This project is a continuation request, to use and relocate the YVO webcam from East of Biscuit Basin (overlook) to a height of 75' on the existing Verizon tower at Lake. The webcam, cellular antenna, and modem would be deployed within the developed area prism on the tower facing Lake Yellowstone. Images would be posted to the YVO website and made public no more frequently than once per hour. This portable webcam system will allow YVO staff to remotely monitor a geologic feature subject to recent and unpredictable thermal activity. It will also serve a positive educational outreach component of the YVO program.</p>		
<p><i>Describe your proposal and include the location, duration of the installation, and type of equipment. If you have photo simulations, drawings, and cut-sheets, they should be submitted with this form. Contact Bret De Young at (307) 344-2070 if you have questions about this submittal.</i></p>			

Section 2 - To be completed by the Wireless Committee

Does this proposal adhere to the Wireless Communications Plan? ☐ Yes ☐ No

<u>Reviewed By:</u>	<u>Name (print):</u>	<u>Signature:</u>	<u>Date:</u>
Compliance Rep	Doug Madsen		10-20-16
Cultural Resources	Tobin Roop		10/20/16
Resource/Edu/Media	Tami Blackford		10/24/16
Radio/Telecomm	John Darr		10-20-16
Chair (Telecom)	Bret De Young		10/20/16

Recommended action by the Committee:

- ☒ Approve the proposal for service (no additional compliance or permitting is required)
☐ Approve pending additional compliance and/or permitting (right-of-way, NEPA, Section 106)
☐ Reject the proposal

Remarks from the Committee:

CAMERA WILL BE DIRECTED TOWARDS THE LAKE FOR RESOURCE MONITORING
THIS PROPOSAL IS CONSISTENT WITH THE WIRELESS PLAN.

Section 3 - To be completed by the Superintendent**Superintendent Action:**

- ☒ Approve the proposal for service (no additional compliance or permitting is required)
☐ Proceed with the permitting process
☐ Reject the proposal

Superintendent Signature:**Date:****Comments:****Telecommunications Committee**

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National Park Service
U.S. Department of the Interior



Yellowstone National Park
Idaho, Montana, Wyoming

PROPOSAL for NEW WIRELESS SERVICE

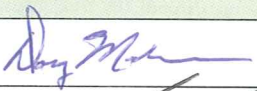

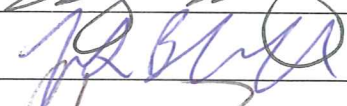
Section 1 - To be completed by the Applicant

Applicant name:	Patricia Zittleman	Organization:	Verizon Wireless c/o Technology Associates EC Inc.
Date:	10/10/16	Park Location:	Elk Plaza
Telephone:	206.883.7031	Email:	patricia.zittleman@taec.net
Description of the Proposal: <i>Describe your proposal and include the location, duration of the installation, and type of equipment. If you have photo simulations, drawings, and cut-sheets, they should be submitted with this form. Contact Bret De Young at (307) 344-2070 if you have questions about this submittal.</i>	<p>Verizon proposes to remove (2) existing Omni antennas and add (4) panel antennas, (6) RRHs, (2) OVPs, and (2) hybriflex. Future equipment is captured in this design and includes (2) RRHs, (1) OVP, and (1) hybriflex.</p> <p>4 new panels will be painted (Pantone) Slate Gray (5Y 6/1).</p> <p>The purpose of the equipment replacement is to improve the quality of the existing service and promote signals to developed areas and while controlling spillover to unintended areas in accordance with Yellowstone's Wireless Plan.</p> <p>Attachments:</p> <ul style="list-style-type: none">• Signal propagation overview• Photo simulation• Project drawings dated 10/07/2016		

Section 2 - To be completed by the Wireless Committee

Does this proposal adhere to the Wireless Communications Plan?

☒ Yes ☐ No

Reviewed By:	Name (print):	Signature:	Date:
Compliance Rep	Doug Madsen		10/24/16
Cultural Resources	Tobin Roop		10/25/16
Resource/Edu/Media	Tami Blackford		10/24/16
Radio/Telecomm	John Darr		10/21/16
Chair (Telecom)	Bret De Young		10/20/16

Recommended action by the Committee:

- ☒ Approve the proposal for service (no additional compliance or permitting is required)
☒ Approve pending additional compliance and/or permitting (right-of-way, NEPA, Section 106)
☐ Reject the proposal

Remarks from the Committee:

Pending SHPO concurrence that the undertaking will not adversely affect the Mammoth historic district.

Section 3 - To be completed by the Superintendent**Superintendent Action:**

- ☒ Approve the proposal for service (no additional compliance or permitting is required)
☐ Proceed with the permitting process
☐ Reject the proposal

Superintendent Signature:**Date:**

Albee Josine (Acting)

10-26-16

Comments:**Telecommunications Committee**

This FONSI modifies Alternative C by clarifying the role of the Telecommunications Committee. To clarify, this committee will 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.

The committee will ensure that any new proposals follow the intent of the preferred alternative (i.e. proposals will need to fall within the actions and areas discussed in the alternative and adhere to the limitations imposed under the preferred alternative). Any new proposals to install additional wireless communications services, repeater sites, or equipment will be reviewed by the park Telecommunications Committee, which is led by the telecommunications specialist and comprised of members from compliance and resource programs. This committee will review each proposal for purpose and need, resource impacts, and adherence to the guidance established by this plan, NPS DO-53, frequency coordination, and permitting by the FCC. The committee will also determine whether each proposal meets the objectives of the plan. The committee will make recommendations to the superintendent regarding the allowance of new or altered Wireless Communications Facilities (WCFs). The committee will also update the criteria established in this plan based on technology changes, make recommendations based on new technology, and document all decisions regarding wireless communications projects. Also as a point of clarification, as a part of the committee process, site specific consultation for National Register listed or eligible property (such as Mt. Washburn, Old Faithful) will take place between the NPS and the Wyoming State Historic Preservation Officer (SHPO) to comply with Section 106 of the National Historic Preservation Act. The NPS will write a short annual report that will be available to the public, and include a list of proposals received, proposals reviewed, what decisions were made, and what actions were taken. If proposals are received that entail actions outside of the scope of the Wireless Communications Plan EA, a separate scoping and public review process will take place under a new NEPA document.

From Page 2 of the WIRELESS COMMUNICATIONS SERVICES PLAN – FINDING OF NO SIGNIFICANT IMPACT, April 7, 2009

**National Park Service
U.S. Department of the Interior**



**Yellowstone National Park
Idaho, Montana, Wyoming**

PROPOSAL for NEW WIRELESS SERVICE

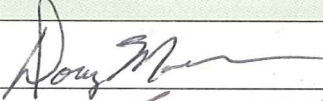


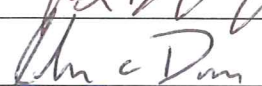
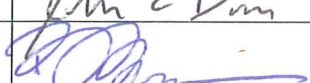
Section 1 - To be completed by the Applicant

Applicant name:	Anne Catanach	Organization:	AT&T
Date:	November 30, 2016	Park Location:	Mount Washburn
Telephone:		Email:	acatanach@fmgroup.net
Description of the Proposal: <i>Describe your proposal and include the location, duration of the installation, and type of equipment. If you have photo simulations, drawings, and cut-sheets, they should be submitted with this form. Contact Bret De Young at (307) 344-2070 if you have questions about this submittal.</i>	For the purposes of providing their customers with LTE service and better data speeds, AT&T proposes the addition of one panel antenna and one remote radio head on each sector adjacent to their existing antennas/radios on the Mount Washburn Fire Lookout hand railing. A total of three sector panels and three radios. A structural analysis would be ordered for the handrail to determine if it is capable of supporting the additional equipment. Drawings are attached.		

Section 2 - To be completed by the Wireless Committee

Does this proposal adhere to the Wireless Communications Plan?

☐ Yes ☒ No

<u>Reviewed By:</u>	<u>Name (print):</u>	<u>Signature:</u>	<u>Date:</u>
Compliance Rep	Doug Madsen		12/21/16
Cultural Resources	Tobin Roop		12/20/2016
Resource/Edu/Media	Tami Blackford		12/20/2016
Radio/Telecomm	John Darr		12/20/2016
Chair (Telecom)	Bret De Young		12/20/2016

Recommended action by the Committee:

- ☐ Approve the proposal for service (no additional compliance or permitting is required)
- ☐ Approve pending additional compliance and/or permitting (right-of-way, NEPA, Section 106)
- ☒ Reject the proposal

Remarks from the Committee:

Wireless Committee recommends that the Superintendent reject AT&T's proposal for the temporary addition of LTE panels and remote radio heads on the handrail of the Mount Washburn fire lookout for the following reasons.

1. The hand railing on the fire lookout is overloaded with antennas and is breaking at the welds. The railing was not designed, nor was it intended to be utilized as an antenna mounting structure in a harsh environment.
2. In 2015, AT&T received Park approval to install three sector panels on the hand railing at Mount Washburn. AT&T installed the 3 approved sector antennas plus 3 remote radio heads (RRHs) and associated cable trays that were not on the proposal, and not approved. This extra load is contributing to the destruction of the fire lookout railing.
3. The Park is considering a final design for a new antenna mounting structure adjacent to the historic Mt. Washburn fire lookout that is consistent with the preferred alternative in Yellowstone's Wireless Communications Plan EA. The purpose of this undertaking is to remove the antennas and associated equipment from the historic property and on to a safer, more secure, engineered antenna structure. The design for this structure will be made available to the public in January 2017. If the NPS Regional Director approves the right of way, construction could begin as soon as the site is accessible.
4. Safety is an essential evaluation factor in the consideration of any proposal. During the summer months, up to an average of 250 hikers visit the fire lookout observation deck each day. Mounting additional equipment to the hand rail adjacent to and above this visitor use area would be unsafe.

Section 3 - To be completed by the Superintendent

Superintendent Action:

- ☐ Approve the proposal for service (no additional compliance or permitting is required)
- ☐ Proceed with the permitting process
- ☒ Reject the proposal

Superintendent Signature:

Date:

David W. Weck

1/4/2017

Comments:

Telecommunications Committee

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