

E-bikes and Trails:

Measuring Impact and Acceptance of Class 1 E-bikes on Trails

Presentation Overview

Relevant legislation JCOS study design Current findings Decision on Class I on JCOS paved trails E-bike demo

Discussion





HB 17-1151

Defines 3 classes of electrical assisted bicycles

Class 1: 750w/20mph speed cut off, no throttle Class 2: 750w/20mph speed cut off, throttles allowed Class 3: 750w/28mph speed cut off, no throttle

Requires classification labeling (1/1/2018) JEFFERS 🔅 N

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HB17-1151

Effective August 9

Defines where they can be used "42-4-1412. Operation of bicycles and other human-powered vehicles. (14) (a) (I) A person may ride a class 1 or class 2 electrical assisted bicycle on a bike or pedestrian path where bicycles are authorized to travel."



Although not gas or diesel powered, the e-bicycle does have a motor that enables powered assistance for its riders and thus is defined as a motor vehicle by BLM.

BLM policy designates trails for specific uses (e.g. horseback riding, hiking, motor vehicles, mounting biking, etc.). E-bicycles, having motors and being defined as motor vehicles by the BLM, are permitted <u>only</u> on trails where motor vehicles are allowed. The use of e-bicycles on non-motorized routes is prohibited.

Bureau of Land Management Grand Junction Field Office



HB 17-1151

Impacts paved trail inventory Allows local jurisdictions to prohibit use



Study Design

Focus on visitor engagement

Measuring attitudes, perceptions and acceptance



Study Design

Pre- and post-demo survey Does exposure change perception?



Study Design

Visitor intercept survey Attitudes, acceptance, and detection



Study design

Ghost riders



DISTANCE

309

ELEV GAIN

2:08:10

950

TIME

CALORIES



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MATTHEWS/WINTERS PARK



APEX PARK



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LAIR O' THE BEAR PARK





Study Results

Pre- and Post-test ride

Did test ride change perception? (n=81)



Approval before and after demo (n=81)





Study Results

Visitor intercept survey

Ability to detect?



Acceptance by trail type





August 9 JCOS decision

Class I on paved trails



Response Themes Speed & safety **Pre-existing conditions** General bike hate Accessibility Apathy Slippery slope Ego Love at first ride

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Response Themes: speed and safety

NO e-bikes they are not SAFE.

Too much speed without speed knowledge.

Too fast for unskilled riders.

Too much silent speed.



Response Themes: pre-existing conditions

Would put much more traffic on already crowded trails.

- It's the rider more than the bike.
- It's already too crowded.
- If you are an *sshole on a regular bike, then you will be an *sshole on an e-bike.

Young males are the problem.



Response themes: general bike hate

Discourteous riders are a problem, e-bike or not.

- We encountered many bikes who failed to yield. A test on bike courtesy should be required for all riders.
- We never heard one biker announce themselves the entire hike.
- I have concerns about bikes in general, not just e-bikes.
- I prefer parks without bikes.
- I don't like being around bikes. It's annoying.
- I don't want to share the trail with any bikes.



Response themes: accessibility

- Too much power to novice riders.
- Opens up opportunities for more people.
- I'm an avid cyclist with a torn ACL. E-bikes give great opportunities for those that aren't able to see beautiful parks.
- Cyclists already struggle to maintain our reputation. One accident could cause a ban or significant restriction.
- These could end up restricting access for other riders.
- People without skill set riding in conditions they can't handle.

Response themes: apathy

- If rider is responsible, not worried.
- No more risk than a regular bike.
- No reason to restrict.
- They are still bikes, you know?
- As long as riders aren't knuckleheads, we will all be fine \bigcirc . A bike is a bike.
- If a bike is allowed, e-bike should be ok.
- I am not concerned.



Response themes: slippery slope

I'd worry about powered vehicles of any type on natural surface trails.Please don't allow e-bikes. Keep the trails motor free.Not appropriate. No motors.What's the point? Electric does not belong on trail.A motor is a motor.



Response themes: ego

Seems like cheating.

Why would any able-bodied rider choose to ride one of these?

[e-bikes] should not be a gateway [to trails] for beginners.

I want them to be clearly identified, so I can feel good about myself when one passes me.

Not good. This makes MTB accessible to the general public. It is a privilege to be on the trail on your own power. It's straight up cheating.



Response Themes: love at first ride

Love it. Perfect machine.

I want one.

Amazing bikes. This would be a fantastic addition to Jeffco. Great fun.

They are so quiet, unobtrusive and fun!





Discussion



What's next?

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