Repeater Proposal Two

11-27-2023 rev 3

**Battle Mountain 146.700**

Local analog and linked digital will be available

Repeater will be a new Yeasu DR2x Fusion

It will use an offsite RF link to the internet ( Yeasu FTM 300 +HRI 200 +Lap top)

The antenna will be moved to the top of the tower with new hard line.

**Pass Creek 147.150**

Local analog and linked digital will be available

Repeater will be a new Yeasu DR2x Fusion

It will use an offsite RF link to the internet (Yeasu FTM 300 +Lap top + antenna and cable)

**Mount Coolidge 147.120**

Local analog and linked digital will be available. Maybe not link Battle Mt and Mt Coolidge as two high level linked repeaters could be redundant. . .

Repeater will be a new Yeasu DR2x Fusion

It will use an offsite RF link to the internet (Yeasu FTM 300 +Lap top + antenna and cable)

**Edgemont 444.900**

Local analog and linked digital will be available

Repeater will be a new Yeasu DR2x Fusion

It will use an off site RF link to the internet (Yeasu FTM 300 +Lap top + antenna and cable)

**Club house repeater 444.700**

Using the new RC210 controller

Kenwood repeater

Linked to HF station through touch tones and voice prompts

Can also have a steerable 2m - 440 base connected

**Benefits**

All newer equipment able to be factory serviced

FCC compliant with new narrow banding regulations

Able to link any way we wish to change with the times

Able to link with other Black Hill Fusion Repeaters and other repeaters out of our area

Perfectly clear digital audio

Does not need to be all purchased at one time

**Drawbacks**

High cost for system. Each site Est $1250.00

Each site will need the following

Repeater $700.00

Link radio $450.00

Lap top as cheap as we can find, $50.00

Antenna and cable - mobile magnet mount will work in most cases $50.00

A local user will have to host the network link

I have for the clubs use the equipment needed for Battle Mountain. It will be the primary link.

**Why Yeasu repeaters?**

They have a special price for clubs to get them into service. A commercial repeater of the same sort will run between $2200.00 to $2500.00 plus a controller @$600.00 for each site

Note: to use the digital side you will need a Yeasu digital radio. They start at $170.00 for a nice handheld and go up