FCC Broadband Panel
Emergency Services / NG 9-1-1

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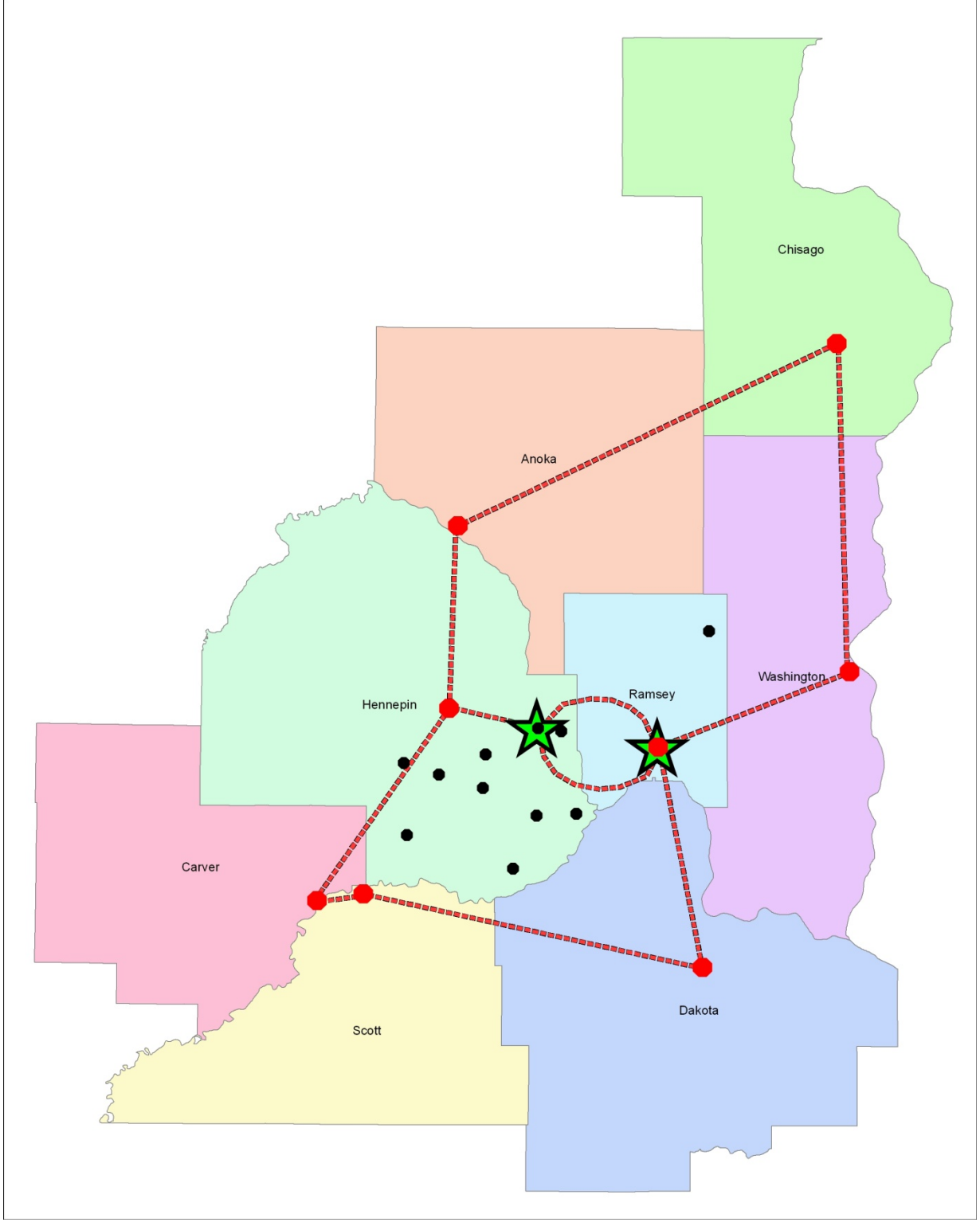
NG 9-1-1 / Public Safety WAN

- Would create a metro “Virtual PSAP”
- No single point of failure
- Broadband links between the PSAPs and two mirrored data centers
  - Two diverse, redundant paths
    - One Wireless
    - One Fiber


Chisago
Anoka
Washington
Ramsey
Hennepin
Carver
Scott
Dakota

NG 9-1-1 / Public Safety WAN

- All of the applications a call taker / dispatcher needs would be available anywhere they have network access
- A hosted NG 9-1-1 application supporting the entire metro
- Must include the ability to control the radio console function
- Applications must reside at the data centers
- All connections to the outside come through the data centers

NG 9-1-1 / Public Safety WAN

- Open source, standards-based application interfaces = application interoperability
  - Example - Medical sensor device senses the onset of a heart attack
    - Automatically connects to 9-1-1 through a wireless network
    - Message routes based on physical location of the caller (device)
    - Message and location information are sent to the PSAP
    - The system identifies the appropriately equipped EMS response unit
    - Medical data sent through the PSnet to the EMS response unit and the hospital ER

NG 9-1-1 / Public Safety WAN

- Leverage resources / bandwidth
  - Internal
    - **System management**
    - **Application support**
    - **Acquisition**
    - **Training**
    - **Workload**
    - **Disaster Recovery**
  - External
    - **Connect to the data centers v. 19 separate PSAPs**
    - **Share routing resources with N-1-1's (i.e. 2-1-1, 3-1-1, 7-1-1, etc.**
- Scalable – can be replicated across the state or country

Questions?