



# South Dakota Interoperability

South Dakota PUC Wireless Conference  
September 28, 2004

**Otto Doll**  
**Commissioner**

# Why Wireless is So Important

Government Services

Citizen Services

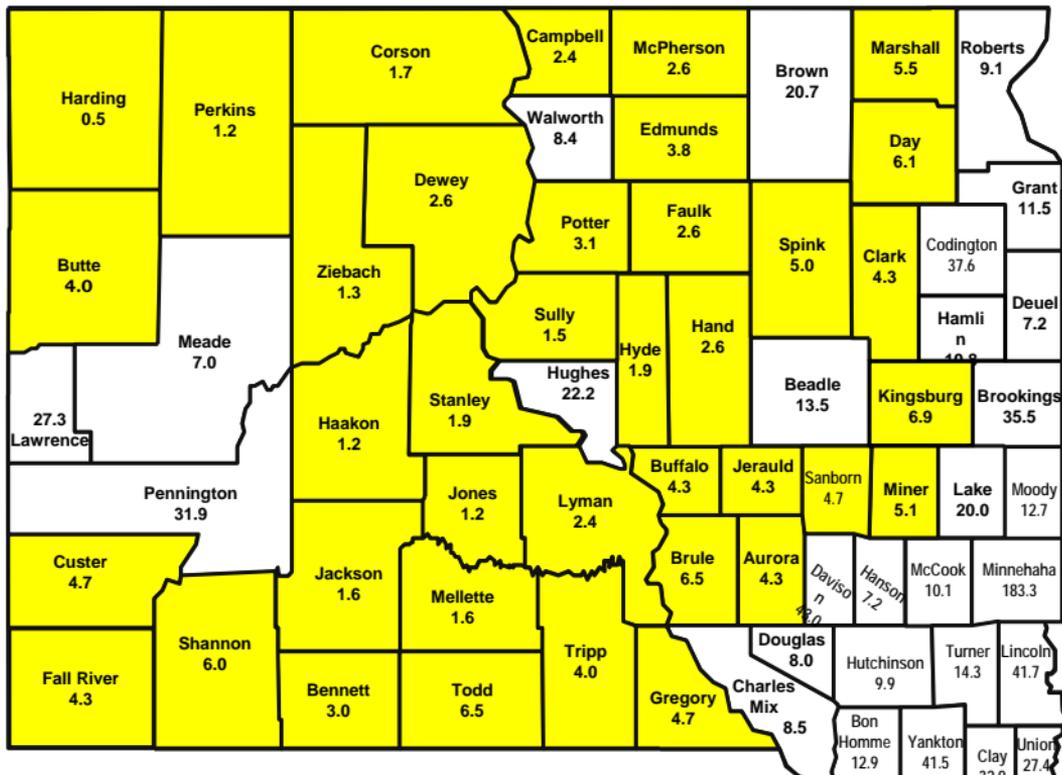
Business Services

# Why Wireless is So Important

- ❑ Government Services
  - **Reach Isolated People**
- ❑ Citizen Services
- ❑ Business Services

# 2000 Population Density Per Square Mile

State Population Density = 9.9 Persons Per Square Mile

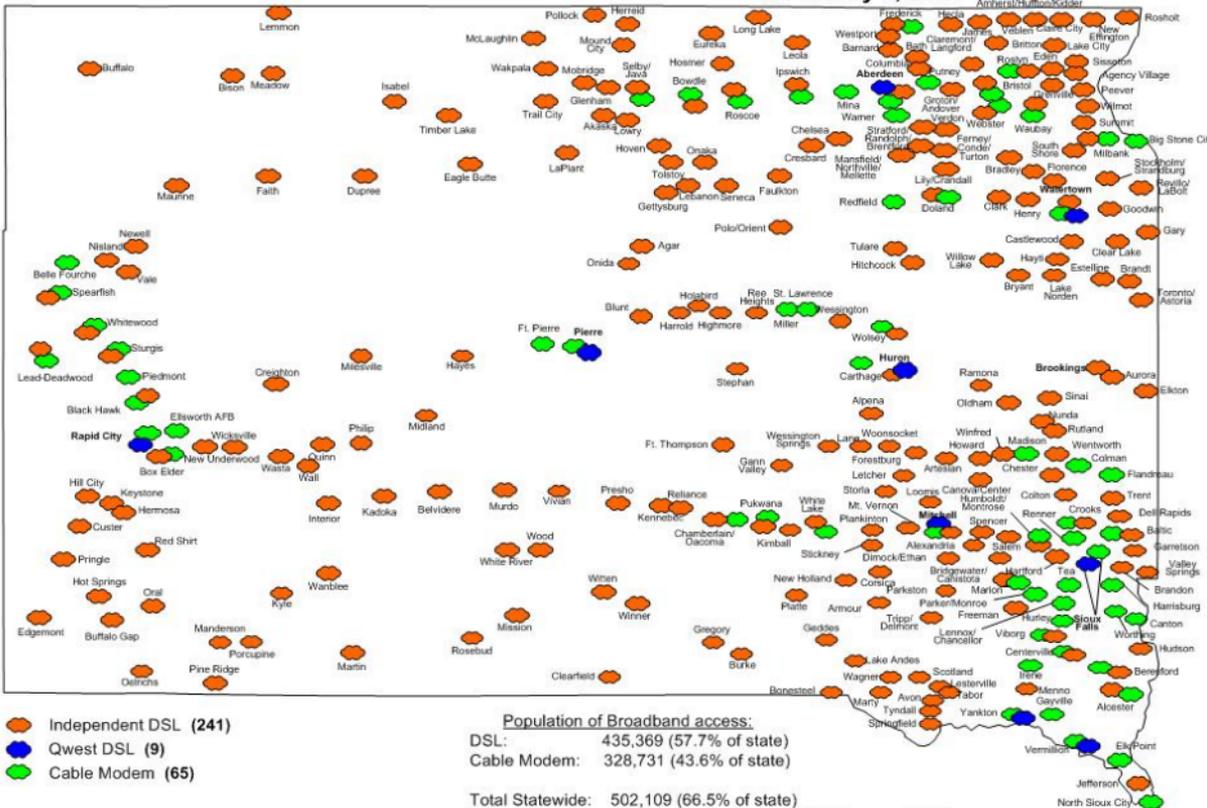


South Dakota Counties Designated as Frontier (less than 7 persons per square mile)  
Based on 2000 Census

Source: South Dakota Data Center, Business Research Bureau, USD

# Broadband Consumer Internet Access in South Dakota

As of July 8, 2004

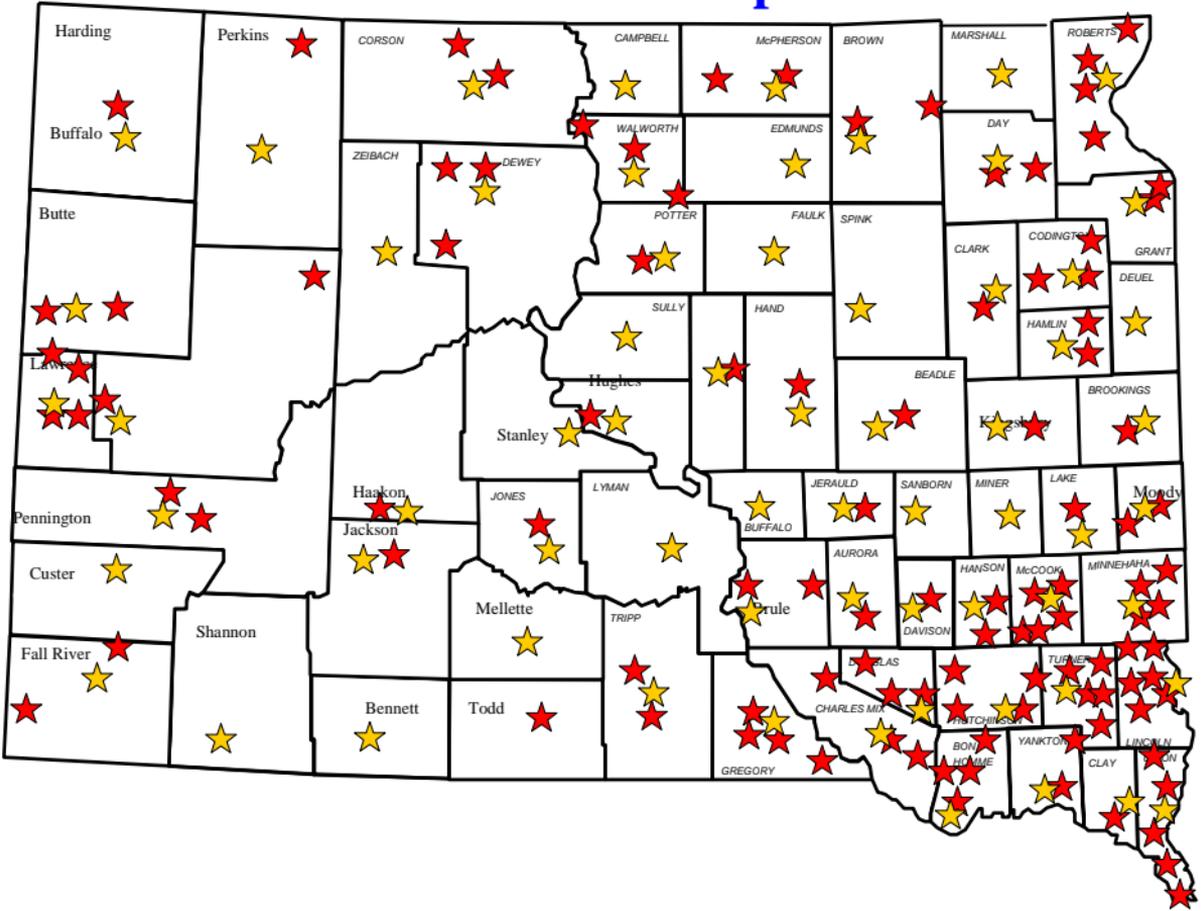


# Why Wireless is So Important

- ❑ Government Services
  - Reach Isolated People
  - **Cover Entire State**
- ❑ Citizen Services
- ❑ Business Services



# Police /Sheriff Departments





# Why Wireless is So Important

- ❑ Government Services
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  - Cover Entire State
  - **Cross Jurisdictional Boundaries**
- ❑ Citizen Services
- ❑ Business Services

# Public Safety not just First Response

- 232 Fire Departments
- 107 Police Departments
- 65 Sheriff Departments
- All Ambulance/EMS Units
- All County Emergency Managers
- All Emergency Care Medical Facilities
- All State Agencies
- All Federal Agencies
- All Transit Buses

# A Larger Community

In addition to the State and Local agencies, the following federal agencies are purchasing new or modifying existing equipment to access the South Dakota radio system:

- ❑ FBI/US Marshals Services.
- ❑ Federal Fish and Wildlife (FF&WL) enforcement units.
- ❑ Bureau of Land Management (BLM) enforcement units.
- ❑ National Parks Service (NPS) fire units.
- ❑ Department of Interior (DOI) BIA enforcement units.
- ❑ Department of Defense (DOD) Ellsworth AFB security units.
- ❑ Corps of Engineers security personnel.

# Why Wireless is So Important

- ❑ Government Services
  - Reach Isolated People
  - Cover Entire State
  - Cross Jurisdictional Boundaries
  - **Find People on the Move**
  - **Use Multiple Technologies**
- ❑ Citizen Services
- ❑ Business Services

# Emerging Technology Use

- ❑ Inspectors with Laptops
- ❑ Game Wardens with PDAs
- ❑ Legislators/State with Wireless Laptops
- ❑ State Radio Wireless Data
- ❑ State Radio Wireless Paging



# Why Wireless is So Important

## ❑ Government Services

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- Find People on the Move
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## ❑ Citizen Services

- **25% State Forms (8% shared with Business)**

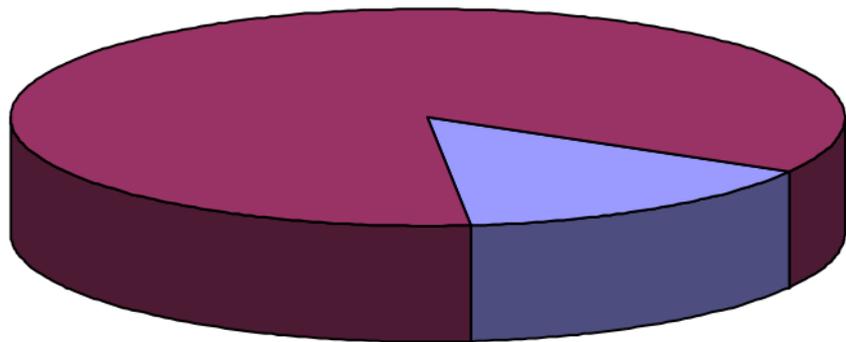
## ❑ Business Services

- **67% State Forms (8% shared with Citizens)**

# State Transactions Over the Internet

(1,325 State Forms Generate 8 million Transactions Annually)

**Online  
Transaction  
85%**

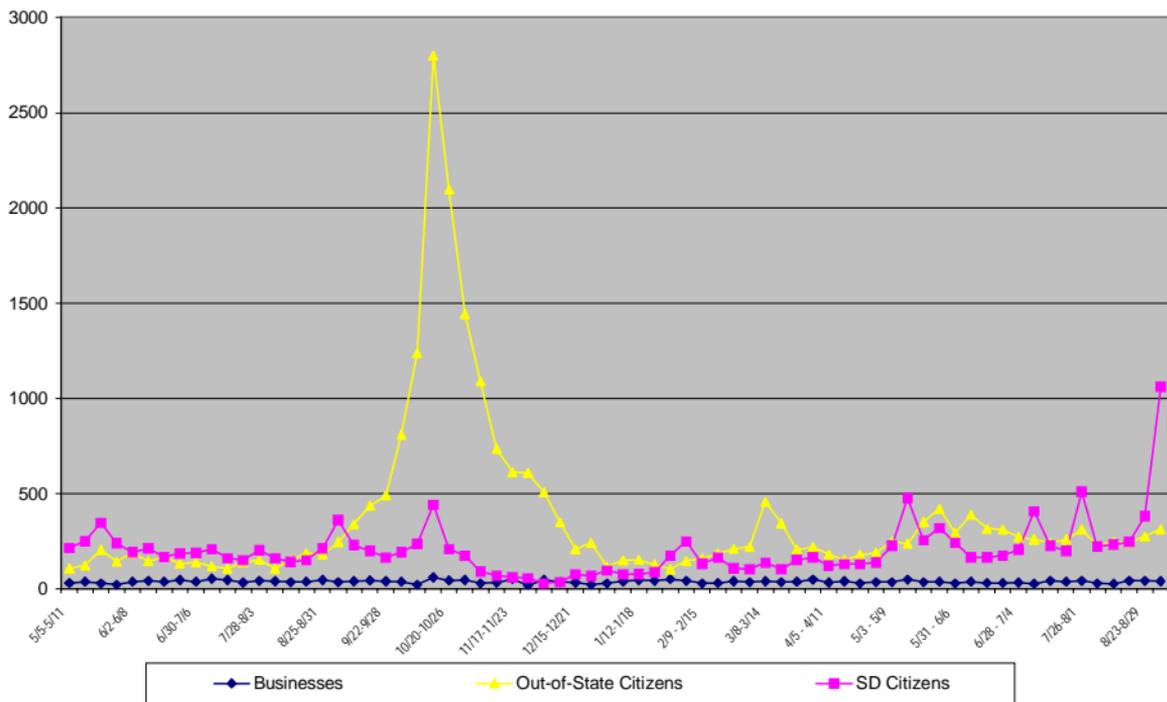


**Download Only  
15%**

## SD Service Direct Sign Ups

SD Households: 9% (27,479 of 290,245)

Businesses: 9% (3,834 of 43,000)



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