RENEWAL AND ACCELERATION
with Data
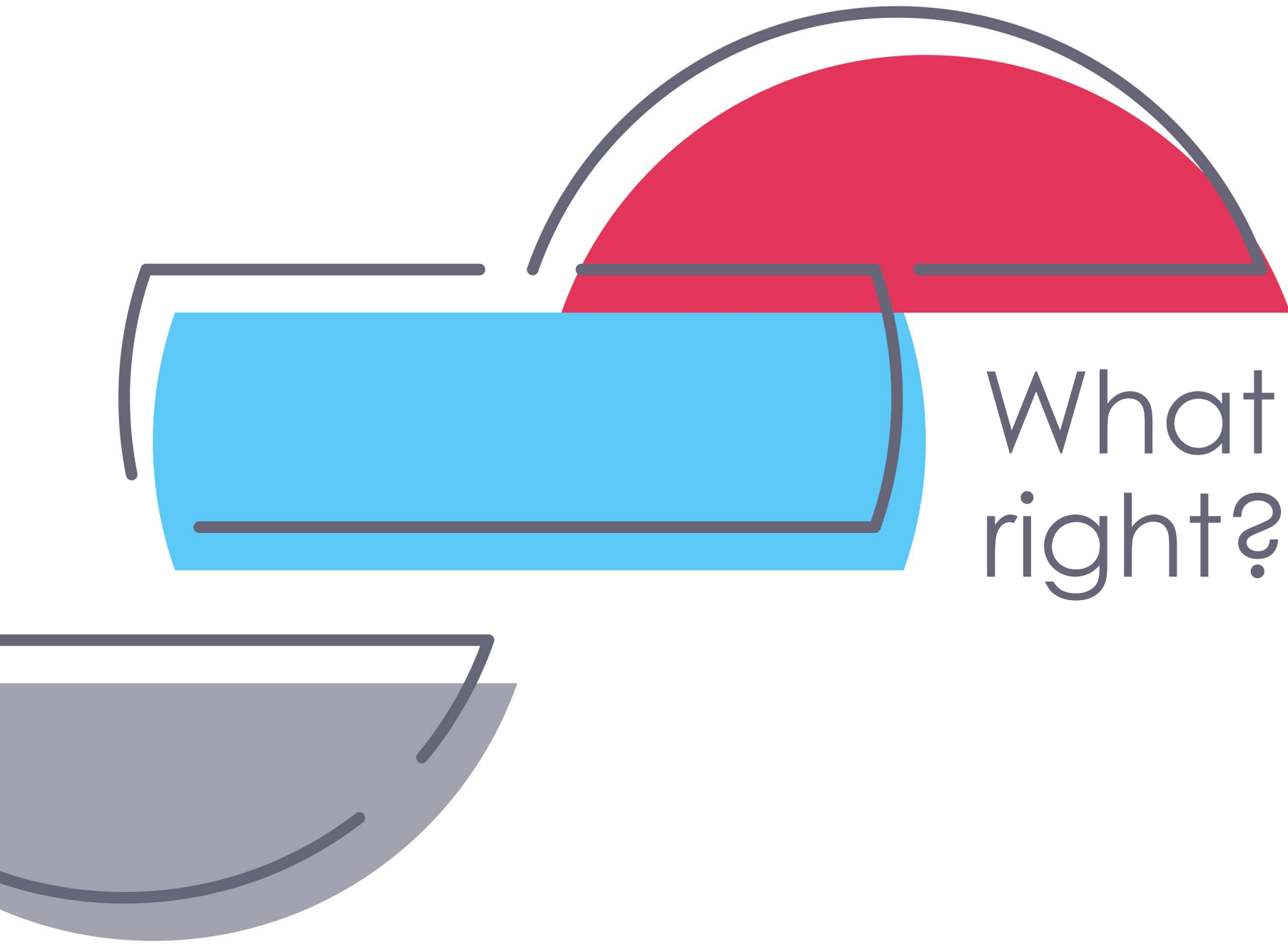
Welcome to the
2021 Virtual
Data Conference
Webinar Series

NEBRASKA DEPARTMENT OF EDUCATION

May 12, 2021, 9:30 am – 2:15 pm CDT

Time (CT)	Event / Topics Covered
9:30 AM to 10:30 AM	Webinar 01 : Dean Folkers ➢ Introduction to the Data Conference Theme ➢ NDE Information, Data, & Technology Roadmap ➢ Introduction to Webinar 2021-2022 Series
10:30 AM to 10:40 AM	Break
10:40 AM to 11:40 AM	Webinar 02 : Jill Aurand ➢ What's New for the Coming Year ➢ Digital Equity Data & Collections
11:40 AM to 1:00 PM	Lunch Break
1:00 PM to 2:15 PM	Webinar 03 : Ginny Carter ➢ Year-end Reporting: ADVISER, Staff Reporting and Consolidated Data Collections (CDC) ➢ Closing Session

What a year, right?

Opportunities and the Future

- **Unprecedented Federal Investment**
  - Coronavirus Aid, Relief, and Economic Security (CARES) Act
  - Coronavirus Response and Relief Supplemental Appropriations Act (CRRSA)
  - American Rescue Plan (ARP) Act of 2021

- Each Act provided
  - Elementary Secondary School Emergency Relief (ESSER) Fund (I,II,III)
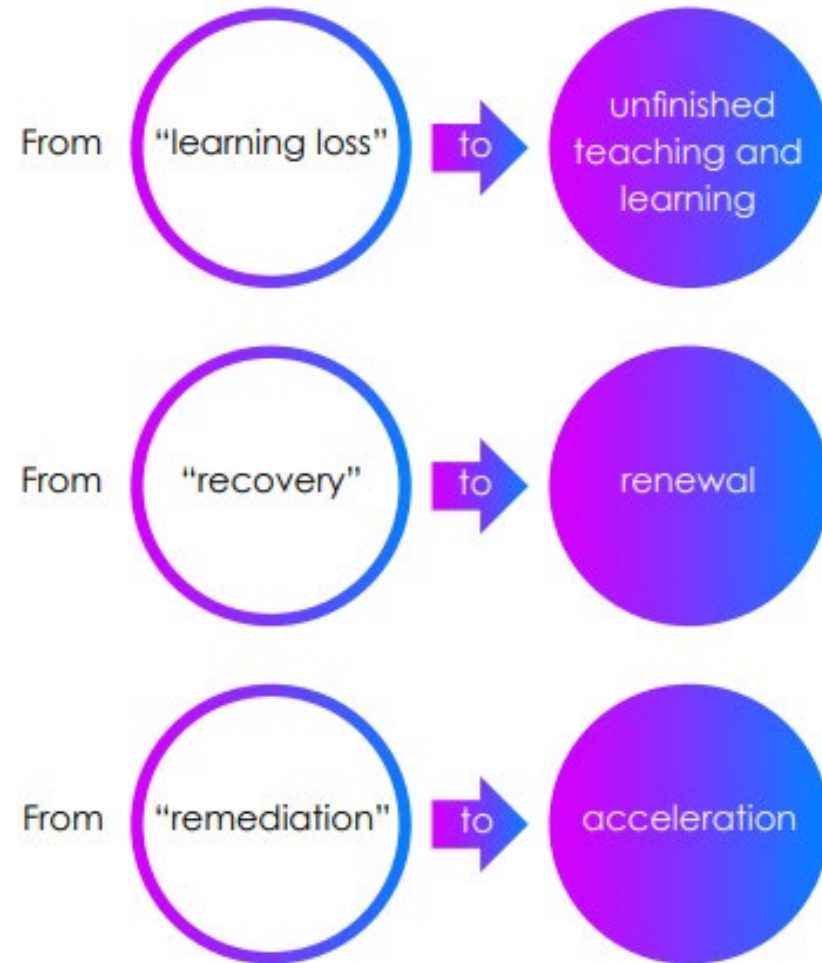
- Nebraska's estimated amount is $906,315,815

Random questions to consider

with Data

- What is the role and importance of data?
- What are the systems, tools, and resources needed?
- What "accountability" will occur for the use of these federal resources?
- How can we demonstrate impact of the investment on learning?
- What data assists in evaluating effectiveness?
- What should be invested?
- What happens after three years?

Nebraska's Framework for School Renewal & Acceleration

NEBRASKA'S FRAMEWORK for school renewal & acceleration

From "learning loss" to unfinished teaching and learning

From "recovery" to renewal

From "remediation" to acceleration

Six Key Components

Systems Considerations

High-Quality Instructional Materials & Content

Diagnosing Unfinished Teaching & Learning

Six Key Components
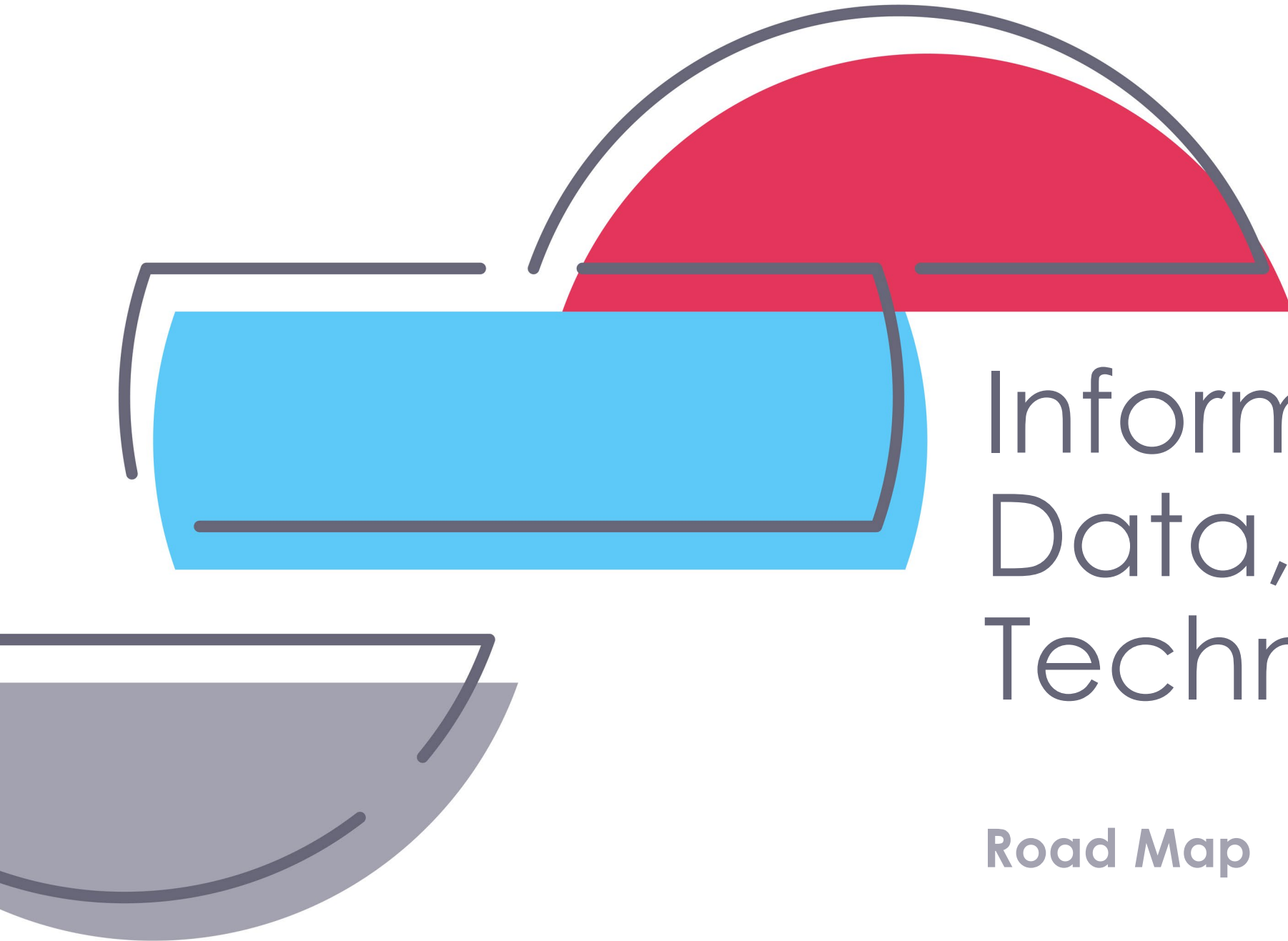
Planning for Acceleration

Ensuring Equitable Instruction

Professional Learning for Teachers and School Leaders

Four Core Actions

1. Anchor core instruction to high-quality instructional materials and content and move forward with appropriate supports and interventions.

2. Leverage and collect specific data to determine the level of support needed by all students, and in particular students who have been historically marginalized.

3. Assess and attend to whole child needs (*e.g.,* mental health, nutritional needs, etc.) while integrating and aligning to academic acceleration.

4. Utilize community engagement and partnerships as strategies for maximizing every available resource.

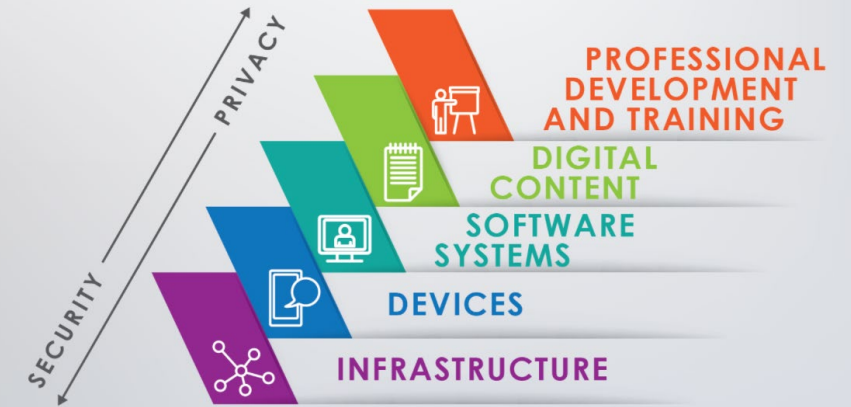Information, Data, & Technology

Road Map

Why a "Road Map?"

Hierarchy of Digital Learning Needs

- Digital Hierarchy of Needs
  - Broadband (Homework Gap)
  - Devices
  - Software
  - High Quality Instructional Materials
  - Professional Learning
- Software Innovation Network
- Data Visualization Innovation Network
- Digital High Quality Instructional Materials
- Canvas Consortium

Why a "Road Map?"

- Data and Technology System "Interoperability"
- Scaled Efficiencies (where it makes sense)
- Modernization approaches (Cloud based tools)
- Accelerating need to collect, consume, and use data
- Data Analytics for real time information & decisions
- Research and Decision Agenda
- GIS Mapping Tools
- K12 Bridge to Broadband Project
- Digital Equity Data

Five "Buckets" to Organize Work

with Data

- Organizational Change
- Operational Excellence
- Education and Stakeholder Engagement
- Security & Risk Management
- Financial Stewardship

Both Internal and External initiatives/projects

Organizational Change

- Communication
  - Timely and Effective
  - Web presence
- Collaboration
  - Coordinate and Collaborate
- Training & Capacity Building
  - Internal and External
- Formalizing & Modernizing Governance
  - Data, privacy, technology

Operational Excellence

- Modernization
  - Azure Cloud Hosting & Services
  - NDE Portal Rewrite
  - Azure Synapse
  - Data Lake
  - Data Quality Supports
- Business Process Improvement
  - Streamlining workflows, online management

Education & Stakeholder Experience

- Data Access and Use Modernization
  - Nebraska Education Profile
  - ADVISER Dashboard
  - ADVISER Data Warehouse
  - ADVISER Analytics Tools
  - Early Childhood Data Explorer
  - Data Visualization and Use Innovation Network
  - GIS tools and resources

Education & Stakeholder Experience

- Digital Education Technology Platform (Interoperability)
  - Maturity Models for Interoperability
  - Return on Learning Supports
  - Tools, resources, and supports

- Nebraska Education Policy Research Lab
  - Updated NDE Research Agenda
  - Timely and effective research efforts for education in Nebraska
  - Data Analytics

Security and Risk Management

- Securing Digital Assets and Information
  - Training
  - Risk Management

- Digital Risk Services for Schools
  - Data Privacy supports
  - Collaborative tools and digital assets

Financial Stewardship

- Benchmarks/Metrics for improvement
- Effective Vendor Management
- Modernize Business Services Portfolio

Next steps

with Data

- Key opportunities for input to prioritize tasks and projects
- Targeted inputs on Research Agenda topics

- Live Webinar series (Beginning July 2021)
  - Timely topics
  - Informative and engaging
  - Recorded

Webinar Series Schedule

▶ May 12, 2021 | 9:30 am – 2:15 pm CDT

▶ July 14, 2021 | 9:30 am – 11:30 am CDT

▶ August 11, 2021 | 9:30 am – 11:30 am CDT

▶ September 8, 2021 | 9:30 am – 11:30 am CDT

▶ October 13, 2021 | 9:30 am -11:30 am CDT

▶ November 10, 2021 | 9:30 am – 11:30 CST

▶ January 12, 2022 | 9:30 am – 11:30 am CST

▶ February 9, 2022 | 9:30 am – 11:30 am CST

▶ March 9, 2022 | 9:30 am – 11:30 am CST

Finally…

- Staff
  - David Hefley, Administrator
  - Jill Aurand, Assistant Administrator
  - Ganesan Kanagarajan, Administrator

- Recognition
  - Ginny Carter, 40 years of service
  - SuAnn Witt
  - Sara Simonsen
  - DRE Staff, Communications, Technology Services

Questions and Follow up

- Email:

  - Dean.Folkers@Nebraska.gov