Data Collection

- **Site Interviews**
  - Led by Dave Furiness

- **Annual Media & Technology Report (AMTR)**
  - Driven by Instructional Technology Division

- **Budget & Finance**
  - Technology Specific State & Federal Funds
  - Local Funds and Technology Spending in other budget codes

- **NCWISE & HR**
  - Relevant for account creation and service deployment
RttT Technology Snapshot

End Users (Students, Teachers, Staff)

- NCVPS $6M
- IIS $24M
- Admin Apps
- LEA Network $48.5M
- User Devices $25.5M
- LMS/CMS $10.8M
- Learning Objects Repository $1.7M
- Collaborative Tools $4.4M
- Identity Management $1.2M
- Shared Infrastructure $11.2M

Hosting Provider Data Centers

Cloud Infrastructure

Cloud Platform

LEA Infrastructure
Operational Model
Costs over time

Cloud

One Time Spending
Capital Investment

E-Rate Eligible Services
Collaborative Procurement
Cost Avoidance
Cost Reduction
Flexible Funding Models

Build/Migrate
Operation
Administrative Portal

Teacher Attendance Trend Plot

Total Absences

Month 1 | Month 2 | Month 3 | Month 4 | Month 5
-------|--------|--------|--------|--------
        |        |        |        |        

Category — Elementary Schools — High Schools — Middle Schools

Drill on this Chart

Teacher Attendance Leave Type Breakdown

Description

Annual Leave: 5,913.04
Sick Leave: 3,214.49
Without Pay: 642.73
TA Subbing: 299.50
Personal Leave: 202.65
School Staff Dev: 147.92

Total Absent Days

0.00 | 2,000.00 | 4,000.00 | 6,000.00
-----|----------|----------|----------

Drill on this Chart

Teacher Attendance breakdown by Personnel Title

Title

Teacher: 875.17
Teacher's Aid: 2,304.38
Counselor: 173.00
Office Staff: 581.93
Principal: 173.00
Principal’s Asst: 79.50
Vacant: 45.00
Assistant: 18.75
Paraprofessional: 8.00
Substitute: 1.50

Drill on this Chart

Teacher Absences by School

<table>
<thead>
<tr>
<th>School Name</th>
<th>Total Absences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lorenzo High</td>
<td>1,020</td>
</tr>
<tr>
<td>Myers Elementary</td>
<td>964</td>
</tr>
<tr>
<td>Denison High</td>
<td>946</td>
</tr>
<tr>
<td>Thompson Elementary</td>
<td>897</td>
</tr>
<tr>
<td>Whittemore Intermediate</td>
<td>821</td>
</tr>
<tr>
<td>Denison Middle</td>
<td>811</td>
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<tr>
<td>San R Elementary</td>
<td>803</td>
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<tr>
<td>Delano Elementary</td>
<td>733</td>
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<tr>
<td>Madera Middle</td>
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<td>640</td>
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<td>McGuire Elementary</td>
<td>629</td>
</tr>
<tr>
<td>Proctor Middle</td>
<td>608</td>
</tr>
<tr>
<td>Warren Elementary</td>
<td>606</td>
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</tbody>
</table>
Initial Administrative Portal Functions

• Attendance
  • Pulled from NCWISE Attendance

• Discipline
  • Pulled from eSIS Incident Reporting

• Budget and Finance
  • Pulled from BUD Reporting
Later Administrative Portal Functions

- AMTR/TCO Integration
- Enrollment Analysis
  - Overenrolled/Underenrolled analysis
  - Enrollment Planning
- Transportation Analysis and Modeling
- Financials
  - More granular detail
  - Predictive analysis
Impact on AMTR

- Today AMTR is a completely manual process
- Many questions could potentially be automatically populated
  - Network
  - Agent based inventory systems
  - Library Automation Systems Integration
  - Cloud based infrastructure
- Automation would be opt in
Challenges with TCO

• Today TCO has several shortcomings, primarily related to data integration
• Ideally TCO modeling should be automated using integrated AMTR and Financial data
  • Technology Specific Budget Codes slightly easier
  • Any other budget code is rarely captured
• Solving financial capture is a long term issue to be resolved
Data use regarding the IIS and Longitudinal Data System

Information on what information will be available back to your LEA and the state
  • Distinguishes the availability of personally and nonpersonally identifiable data as it relates to reporting, evaluation, and research

Information on how data will be used to provision accounts and access to cloud resources
Messaging

- **Upcoming Meetings:**
  - Webinar to demo the initial system
- **Web site**—place for FAQ, Guidelines, Presentations, Organization, Team members, news, links to DPI & others: [http://cloud.fi.ncsu.edu](http://cloud.fi.ncsu.edu)
- **LEA Working Groups**
- **LEA site interviews**
- **Email Questions to** [cloudhelp@ncsu.edu](mailto:cloudhelp@ncsu.edu)