Texas Student Data System
The Future of Data Collection and Sharing in Texas

11/8/2011

Agenda

10:30 - 10:40   TSDS Overview and Goals

10:40 – 10:50   EDW and TSDS Dashboards

10:50 – 11:10   Dashboard Demonstration

11:10 – 11:40   State-Sponsored SIS

11:40 – 11:45   Q&A

It's time for a change

Here's what most teachers know about a new student in their classroom.

MARIA GARZA

Student: Maria Garza

Grade: 11

High School
Bradock High School

Homeroom:
Mrs. James

Comments

Michael & Susan Dell
FOUNDATION

It's time for a change

Here's what most PEIMS coordinators face at submission time

Data Collection and Information Sharing Today – Room for Improvement

Texas Student Data System

Districts spend significant time providing data to TEA for PEIMS

Cost to districts is extremely high, estimated to be $323M annually statewide

Data that is shared back with district is not timely and is not in a particularly useful format

Data rarely makes its way to the educators best positioned to improve student achievement

Texas Student Data System (TSDS) is the Vision for Data Collection and Sharing in Texas

Texas Student Data System

> **Enable 100% of educators to have access to timely, relevant, actionable data to drive classroom and student success**

- ➢ A data system *for teachers*, *designed by teachers*.

- ➢ Delivers relevant, timely and actionable student data back to educators to *continually improve performance*

- ➢ A *"One stop shop" for student data* available anywhere – brings together student information from multiple sources

- ➢ Reduces reporting and collection *burden to districts*

- ➢ Requires *no additional data* input

- ➢ Available *free of charge* to all Texas districts

- ➢ *Creates a common data standard* that enables vendors to provide districts additional tools at a low cost

TSDS encompasses four key projects

State-sponsored SIS
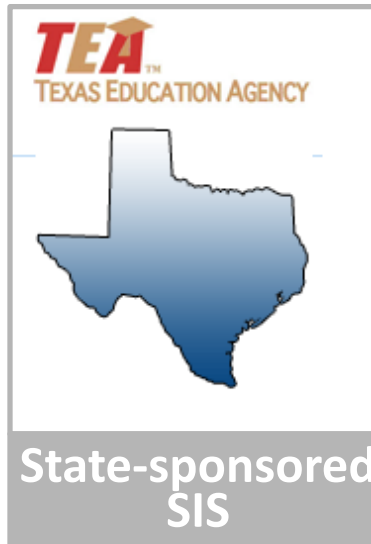
- Opt-in, voluntary SIS
- TEA is considering multiple options on the model for offering state-sponsored SIS
- TSDS will integrate with other SIS's – no requirement or mandate to switch

Education Data Warehouse (EDW)
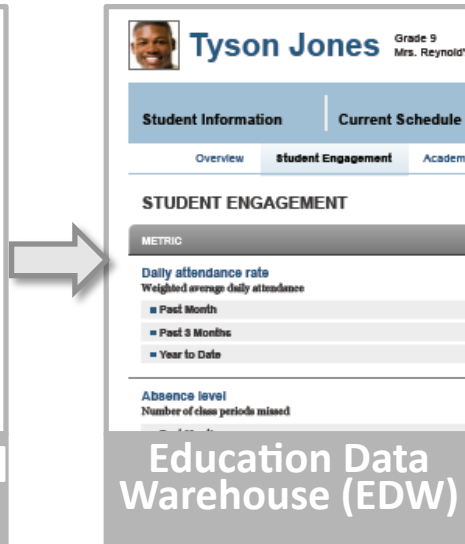
- Powers student, campus, district data dashboards
- System supported by the state but the data only available to educators
- Will become conduit to submit PEIMS data
- Loading of non-PEIMS data is strictly optional and at the districts' discretion

PEIMS

- XML data standard will make it easier to submit and certify data
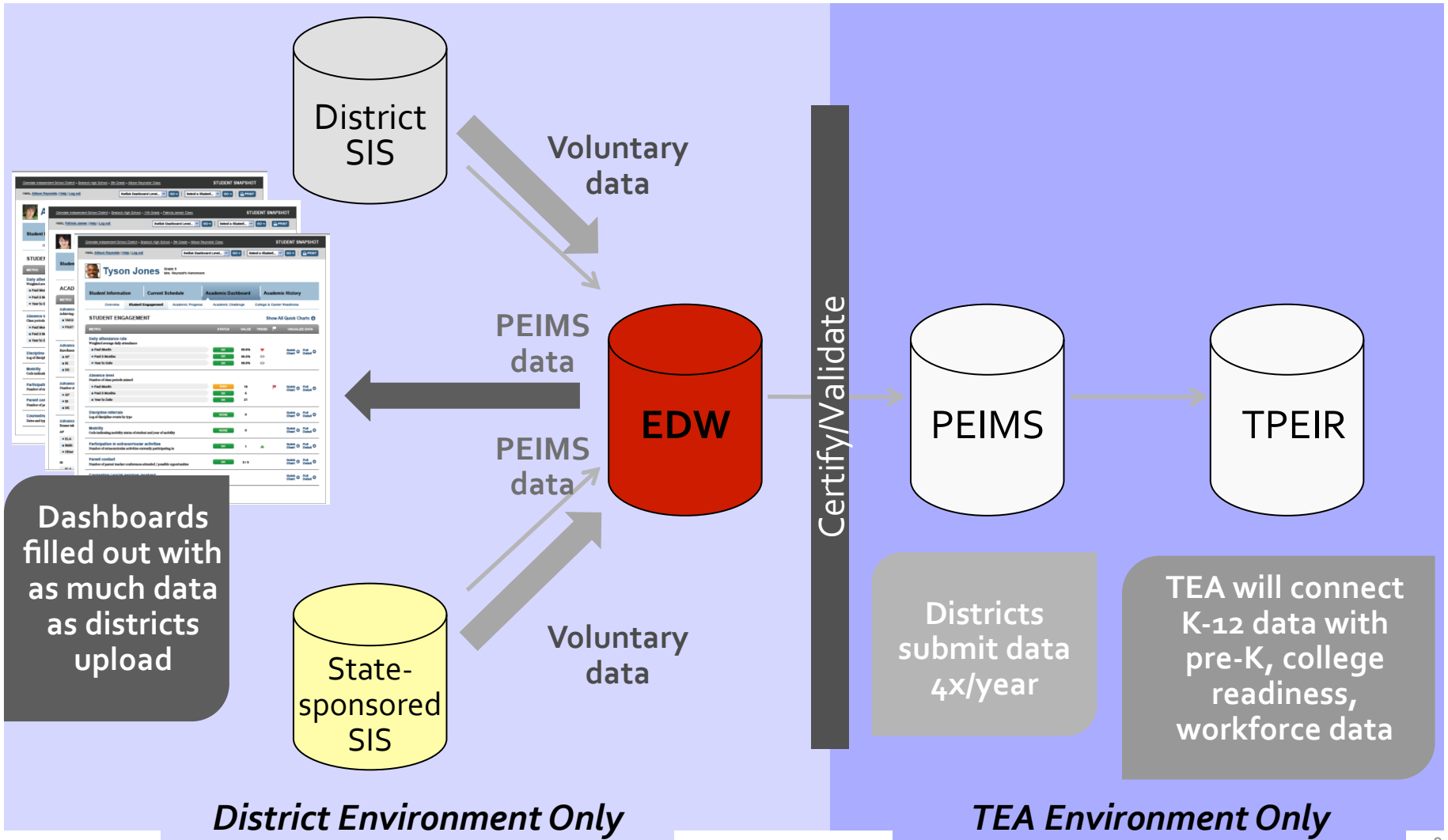- Realign statewide data collection standards and protocol for districts

TPEIR

- Expanded to link pre-K, college readiness, and workforce data
- Load college readiness test score collections (SAT, ACT, AP Test data)

EDW and TSDS Dashboards

Future state: Migrate to one near real-time data source for most reporting purposes

Texas Student Data System

District SIS

Voluntary data

PEIMS data

PEIMS data

Voluntary data

Dashboards filled out with as much data as districts upload

State-sponsored SIS

EDW

Certify/Validate

PEIMS

TPEIR

Districts submit data 4x/year

TEA will connect K-12 data with pre-K, college readiness, workforce data

District Environment Only

TEA Environment Only

Future state: Timely, actionable student and classroom dashboards for educators

Dashboards are Grounded in Best Practices and Vetted by Educators

Nationwide Best Practices Audit

Academic Research

Stanford University School of Education

George W. Bush Institute

TEACHERS COLLEGE COLUMBIA UNIVERSITY

THE UNIVERSITY OF TEXAS AT AUSTIN

HARVARD — VE RI TAS

NATIONAL MATH + SCIENCE INITIATIVE
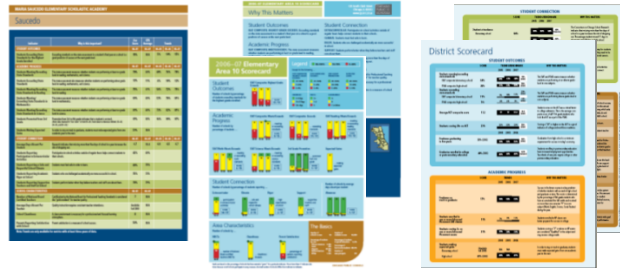
Focus Groups with 2,600 Educators

- Initial dashboards based on national education research and review of best practices across the country

- Received and incorporated feedback on dashboard from 2,600 educators in Texas

- Enhancements to dashboards based on stakeholder feedback

Texas Student Data System

Dashboards Consist of Four Levels Driven by Individual Student Data

District/LEA

Campus

Classroom

Student

Drill down to the individual Student level from any aggregate view

Data originates at the Student Level and rolls up to aggregate views

Michael & Susan Dell FOUNDATION
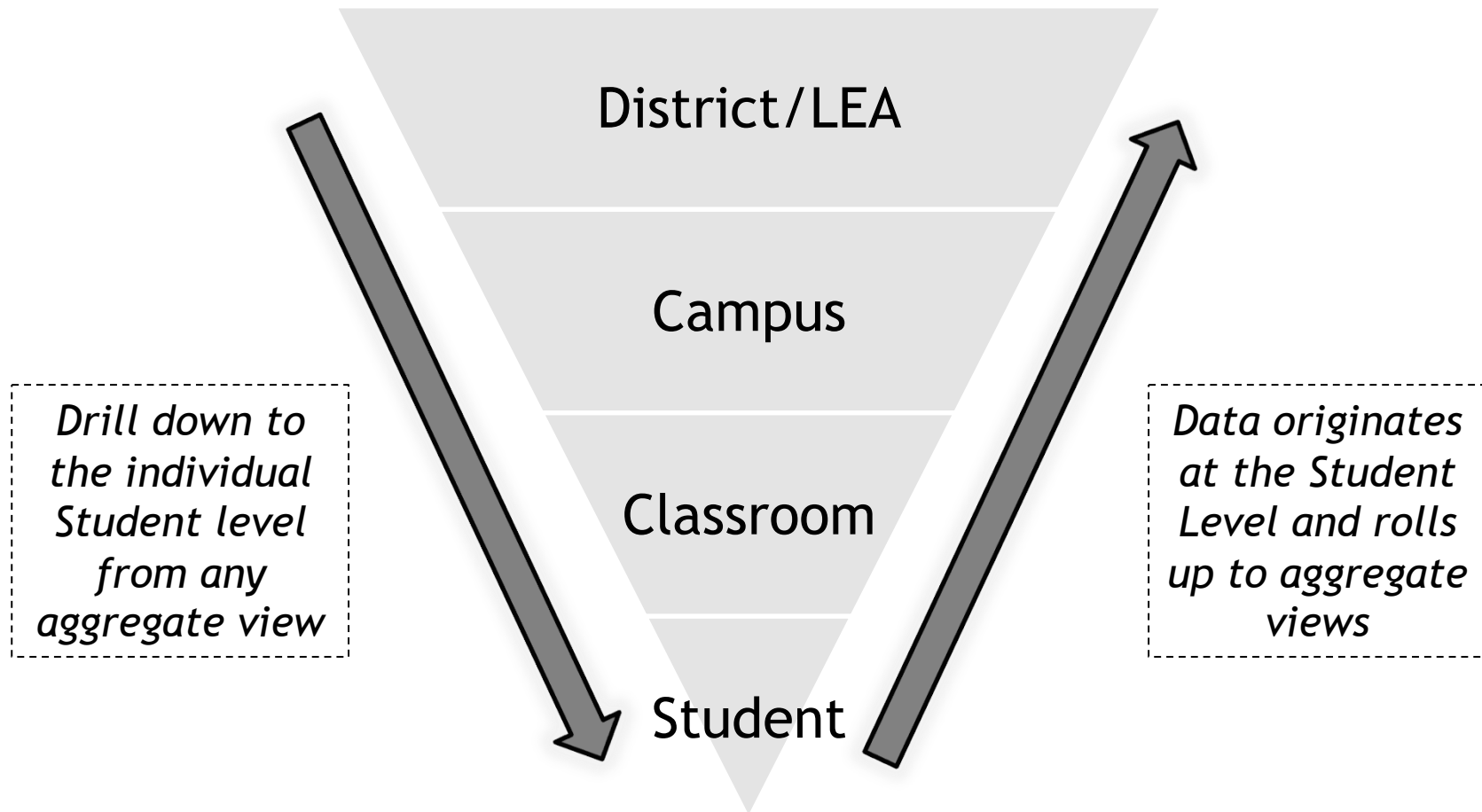
Dashboards are Intuitive and Comprehensive for Educators

View incoming class at a glance, and see an overview of students' historical performance and attendance, as well as any special accommodations required

"Click-thru" on a student to get detailed information regarding assessments, performance, attendance and discipline, as well as contact, mobility, and other relevant data

Recognize patterns and easily pinpoint areas for further action with visual indicators such as flags, status bars and icons

Dashboard data will include the most recent source data, enabling decisions to be made on current data instead of outdated accountability information.

Feedback from pilot districts has been positive

"This will be so valuable in communicating with parents."

"I do LOVE that now I can access info about absences, credits, college readiness, etc. at the same time!"

"With this data we would be able to identify and challenge our power kids!"

100% of Lubbock ISD training participants said they are likely or very likely to recommend the TSDS tools to their colleagues

Texas Student Data System

Statewide implementation beginning for 2013 – 2014 academic year

Late-2009	2010	2011	2012	2013	2014

Draft data snapshots defined

Snapshots finalized based on feedback

First release to Lubbock ISD and Allen ISD in September 2011.
Expand to 3rd district in December 2011.

Stakeholder engagement

Draft data standard defined

Transfer tested data standard

Initial DCD prototype

Limited Product Release Phase

Statewide implementation of DCD and dashboards

Field test and acceptance of data standard

District Connections Database Implemented

State-Sponsored SIS requirements released

Integrate SSIS and DCD

Dashboard Demonstration

Dashboards will include specific administrator tools

Texas Student Data System

Bradock High School

| Principal Reports | Campus Information | Master Schedule | Academic Dashboard | Strategic Plan |

Overview Incoming Classes Freshmen Watchlist Freshmen Success Accountability Snapshot Credit Recovery College Enrollment Pipeline Teacher/Classroom Detail Performance of TAKS Failers

OVERVIEW

REPORTS	STATUS	
Incoming Classes Composition of incoming classes	**1,573 Total Students**	
Freshmen Watchlist Academic and attendance warnings for first-time freshmen	**27 Students on Freshmen Watchlist**	
Freshmen Success Attendance and core academic performance of first-time 9th graders	**73 Students on Watchlist**	
Accountability Snapshot Accountability view based on prior year student performance	**Accountability Rating: Acceptable**	🚩
Credit Recovery Report Students who are either 1–2 credits off pace to graduation or on pace but with core course failures	**121 Students on Credit Recovery List**	🚩
College Enrollment Pipeline College enrollment pipeline among 12th grade students	**21% of 12th Graders College Ready**	
Teacher/Classroom Detail Student characteristics and student performance by teacher	**17% of teachers had students with 1+ year growth**	
Performance of TAKS Failers Performance of students who have previously failed TAKS tests	**67% of prior failers passed TAKS**	

Incoming Class Profile

Bradock High School

Principal Reports	Campus Information	Master Schedule	Academic Dashboard	Strategic Plan

Overview | **Incoming Classes** | Freshmen Watchlist | Freshmen Success | Accountability Snapshot | Credit Recovery | College Enrollment Pipeline | Teacher/Classroom Detail | Performance of TAKS Failers

INCOMING CLASSES

Fall 2010 - Total 9th Grade Students

Customize Report: [9th Grade ▼]

Legend: ■ Reduction ■ Increase

Chart — # of Students:
- EOY 8th Graders: 673
- Transfer Out: 54
- Drop Out: 27
- Overage/Repeater: 41
- Transfer In: 51
- Total Class: 684

Fall 2010 - Grade-Level Distribution by Cohort

Legend: ■ Class of 2015 ■ Class of 2014 ■ Class of 2013 ■ Class of 2011

Chart — # of Students:
- 8th: 643 (Class of 2015), 37, 4
- 10th: 589 (Class of 2014), 41, 14
- 11th: 555 (Class of 2013), 61
- 12th: 549 (Class of 2011)

Teacher/Classroom Detail

Bradock High School

| Principal Reports | Campus Information | Master Schedule | Academic Dashboard | Strategic Plan |

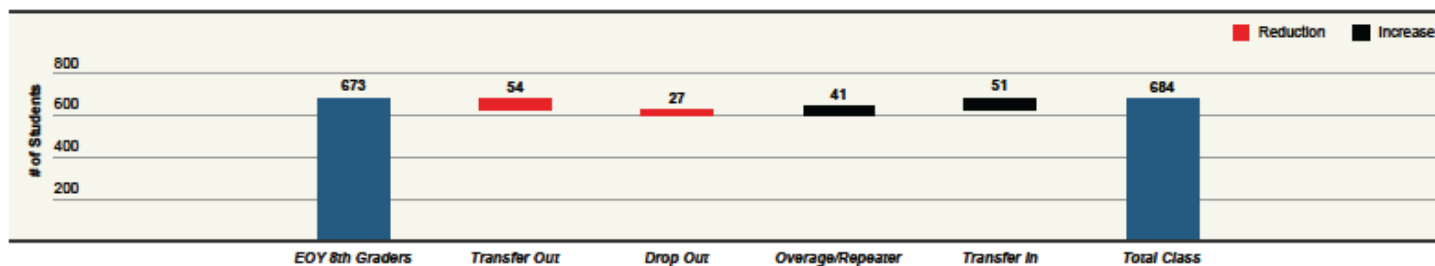Overview Incoming Classes Freshmen Watchlist Freshmen Success Accountability Snapshot Credit Recovery College Enrollment Pipeline **Teacher/Classroom Detail** Performance of TAKS Failers
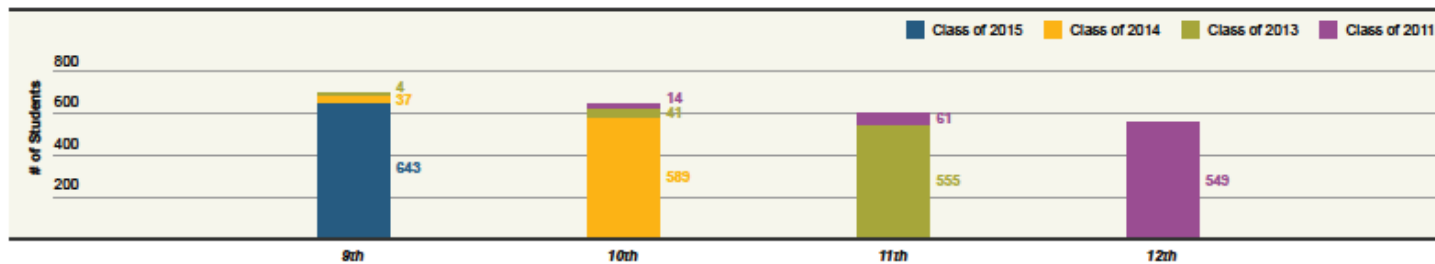
TEACHER/CLASSROOM DETAIL

Classroom Characteristics By Teacher

Customize Report: [Grade 9 ▾] [Select Department ▾] [Select Subject ▾]

TEACHER	TEACHING IN-FIELD	ATTENDANCE <95%	2+ DISCIPLINE INCIDENTS	ON-TRACK TO GRAD	PASSING/COMMENDED - TAKS			
					ELA	MATH	SCIENCE	SOCIAL STUDIES
Teacher #1	Yes	0%	0%	100%	78%	74%	82%	73%
Teacher #2	Yes	6%	2%	82%	84%	86%	89%	58%
Teacher #3	Yes	24%	45%	71%	72%	81%	78%	52%
Teacher #4	No	19%	61%	60%	92%	96%	95%	59%
Teacher #5	No	6%	7%	91%	88%	84%	90%	72%
Teacher #6	Yes	2%	2%	92%	71%	78%	76%	73%
Teacher #7	Yes	0%	5%	90%	78%	77%	80%	71%
Teacher #8	No	22%	27%	60%	94%	91%	93%	56%

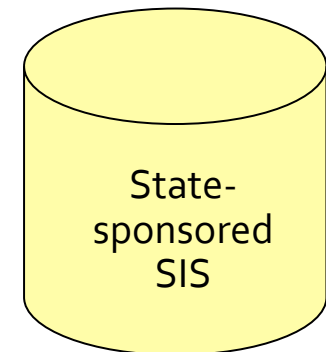% OF STUDENTS:

State-Sponsored Student Information System

SSIS Goals

- **Decrease SIS costs for LEAs**

- **Provide enhanced features and richer data for reporting**

- **Streamline with Software as a Service (SaaS) - 24/7 availability accessible from anywhere**

- **Support PEIMS data standards and submissions**

- **Provide "near" real-time data for LEAs**

State-sponsored SIS

Benefits of SaaS

- No need to purchase infrastructure software
- No expenditures on hardware
- Reduced need to purchase third party tools, modules and applications
- No software or hardware replacement needed in ongoing years
- Reduced spending on IT operations
- Reduced support costs
- No application and infrastructure re-implementation costs in years 3 to 5

SSIS Contracts

- **Two SSIS vendors**
- **SSIS contracts are umbrella agreements that allow the LEA to purchase without the need for an RFP or RFO**
- **Each LEA will have a separate contract with the vendor**
- **Contract Management teams will oversee the Service Level Agreements to include:**
  - SSIS availability
  - Performance
  - Business continuity
- **Not-to-exceed pricing allows LEA to negotiate with vendor**

SSIS Vendor: Skyward, Inc.

- **Wisconsin-based provider of administrative software solutions for K-12 schools since 1980**
- **Provides software for more than 1,400 LEAs of all sizes around the globe**
- **Ten (10) regional offices across the country, including Dallas and Austin**
- **Serves 177 LEAs in Texas with almost 900,000 students**

SSIS Vendor: TCC

- **San Antonio-based provider of administrative software solutions for K-12 schools since 1970**
- **Provides student management software to 767 LEAs of all sizes in Texas**
- **Delivers service via nineteen (19) regional Education Service Centers (ESCs) in Texas**
- **Serves over 900,000 students**

Your Decision to Participate in the SSIS

- How will the SSIS lower costs for our district?
- Will the SSIS offer additional features we want?
- What other applications will we need?
- Will we be able to drop any applications we use now?
- What kind of support will our staff need to provide?
- Will we be able to reduce hours spent on SIS and reporting-related functions?

Use TCO to Understand True Costs

- **Direct costs –**
  - Tangible and understood: hardware, software, formal support
- **Indirect costs –**
  - Ancillary applications or other technology to support main system
  - Labor for local informal and supplementary support
  - Power and space
  - Can add 60% – 100% to cost

The SSIS TCO Workbook

"Understanding and consolidating direct and indirect costs tends to lead to lower overall spending."

--Gartner

- Cost comparisons spread over 5 years
- Evaluates direct and indirect costs of a SIS solution
- Permits you to add/remove costs of ancillary products and support to fit scenario to your organization
- Compares "as is" situation with possible "to be" scenarios

What can you do next?

- **Get your copy of the TCO Workbook/vendor agreements at:**

  http://www.texasstudentdatasystem.org/ssis-advisory/

- **Fill out the survey at:**

  http://www.surveymonkey.com/s/totalcostownership

- **Contact either the Skyward or the TCC Contract Management teams for help with the workbook by sending email to TSDS_Admin@tea.state.tx.us.**

- **Contact TEA's TSDS Change Manager with any general questions about the Texas Student Data System. David.Butler@tea.state.tx.us.**

Questions

Additional Detail

Support Included

- **Access to SSIS Vendor's Support**

  - Phone support

    - Staffed phone support from 7am to 6pm M-F (excluding Holidays)

    - 800 number for critical incidents outside of business hours with on-call staff

  - Web portal support 24x7 with escalation of critical incidents

  - LEAs entitled to multiple contacts based on enrollment

- **Support Levels**

  - Level 1 support provided by either LEA and/or ESC

  - Level 2/3 support provided by SSIS software vendor

Levels of Support

LEA Question/ Incident

↓

Level 1 Support
(LEA and/or ESC)

- How to use software
- Assistance with data entry
- Running reports
- Basic troubleshooting

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Level 2 Support
(SSIS Vendor)

- Any "how to" not resolved at Level 1
- Deeper troubleshooting
- Incident replication

↓

Level 3
(SSIS Vendor)

- Remedy of software defects
- Escalations to RDBMS vendor
- Data Center incidents