## The OMB Federal IT Dashboard: Overview and Potential Application for IT Cost and Schedule Analysis

**Daniel Harper** 



MITRE

For Internal MITRE Use

## Did you know....

- ...that there is a public available database of over 7000 federal IT investments including 800 classified by OMB as "major," includes DoD and civilian programs?
- ...that this data is available for downloaded and analysis at no charge, without some much as providing an e-mail address?
- ...that this data includes useful analogies for the program you are estimating?
- ...that this data has the potential for generating useful cost/schedule factors and CER's?

2014 The MITRE Corporation. All rights reserved

MITRE

1

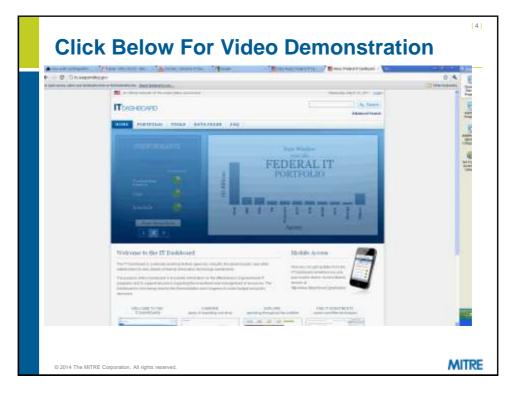
## **Background-IT Dashboard**

- The IT Dashboard is a web portal enabling the general public to view details about federal (DoD as well as Civil) information technology investments.
- The mission of the IT Dashboard is to provide information on the effectiveness of government IT programs and to support decisions regarding the investment and management of resources.
- OMB IT Dashboard (https://www.itdashboard.gov/)
- FAQ and Help <a href="https://www.itdashboard.gov/faq">https://www.itdashboard.gov/faq</a>
- View a video summary here
  - "Cost referred to over a dozen times

© 2014 The MITRE Corporation. All rights reserved

MITRE

3



## Strengths and Weaknesses of the IT Dashboard

5

#### Strengths:

- Data is publicly available and downloadable to Excel
- Data updated monthly
- 7000 federal IT investments including 800 classified by OMB as "major," includes DoD and civilian programs
- \$600 Billion in Federal IT Investments over the last decade

#### Weaknesses/challenges:

- Data is fairly high-level
- Not reported in a standardized format, i.e., inconsistent cost elements
- Data comes directly from the program office Exhibit 53/Exhibit 300 (budget perspective versus true "cost" perspective)
- Inaccurate/incomplete records (though improving according to GAO)
  - Anecdotally, dashboard data matched actual earned value reports for the DHS program I am estimating

© 2014 The MITRE Corporation. All rights reserved

MITRE

#### **Ideas For Further Research**

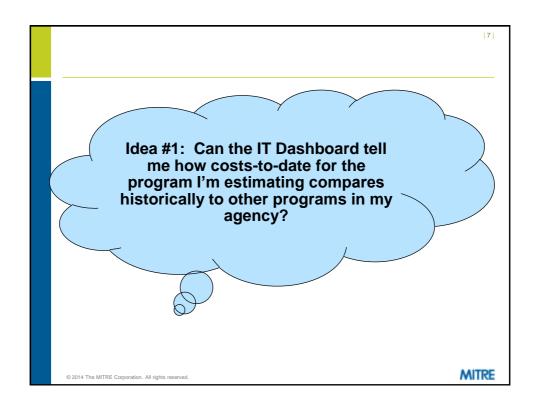
6

- Over the past few years I've had a number of ideas related to the IT Dashboard for possible additional research
- Unfortunately, like most of you, I've had a lack of time and resources to pursue
- The rest of the presentation will present a number of ideas as well as examples where the IT Dashboard has proved useful



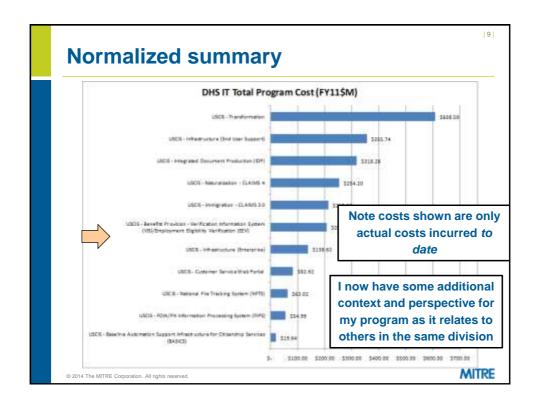
2014 The MITRE Corporation. All rights reserved

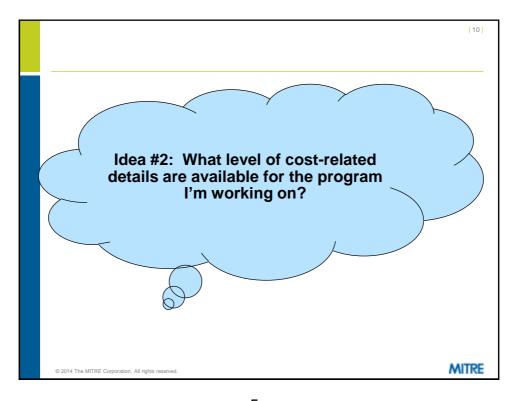
MITRE



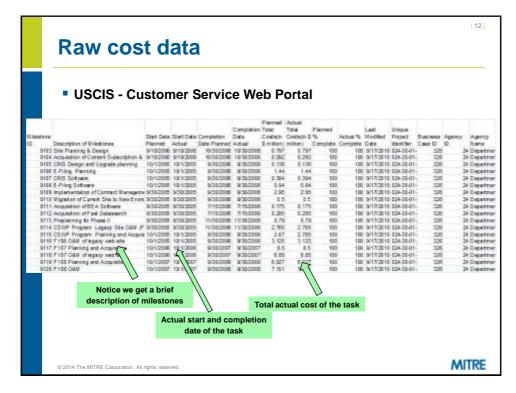
The second	Agency	FEA Standard Segment	FEA Primary Function	Overall Eating	Total Figure Spending
USCS - Baseline Automation Support behaviousnes for Crizmortop Services (EASICS) (2012)	Department of Honorland Security	II Managamani	Information and Technology Management	1.1	\$14.5 N
USCII - Benefits Provinces - Ventication Information System (VIS) Employment Eligibility Ventication (EEV) (2012)	Department of Dissoland Security	IT Management	Workface Management	3.6	329.0 %
USCIII - Custovere Service Web Portal (2012)	Department of Honoland Serurity		Public Affairs	- 3.8	\$17.6%
USCII - FOIA PA Information Processing System (FIFS) (2012)	Department of Himsdand Security	IT Management	Information and Technology Management	7.8	\$4.3 %
USCIS - Innegration - CLAIMS 10 (2012)	Department of Homeland Security	IT Menagement	Herefold Security	2.5	114.536
USCS - Inframurtum (End User Support) (2012)	Department of Humeland Security	20	Information and Technology Management	3.8	30.53
USCSS - Infrastructure (Enterprise) (2012)	Department of Horseland Security		Information and Technology Management	58	\$63.9 %
USCIII - Integrals & Document Production (IDP) (2012)	Department of Hereland Security	II Mangement	Handard Security	47	5823
USCSS - Notional File Tracking System (NPTS) (2012)	Department of Hamiland Security	IT Management	Information and Technology Management	3.0	\$4.6 %
USCIS - Naturalization - CLAINIS 6 (2012)	Department of Herodand Security	II Managarant	Hereland Security	-14	334.334
USCS - Transformation (2012)	Department of Hamiland Inscripty	IT Mesagnoort	Honeland Security	0.35	3384.9 M

IT-14 - The Federal IT Dashboard: Potential Application for IT Cost & Schedule Analysis

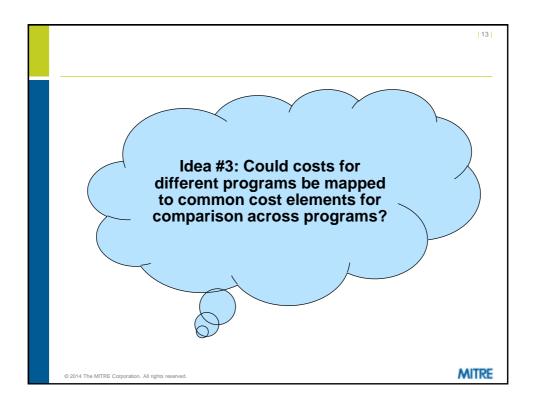


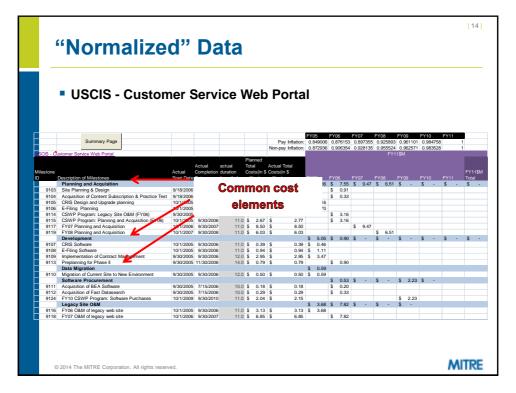




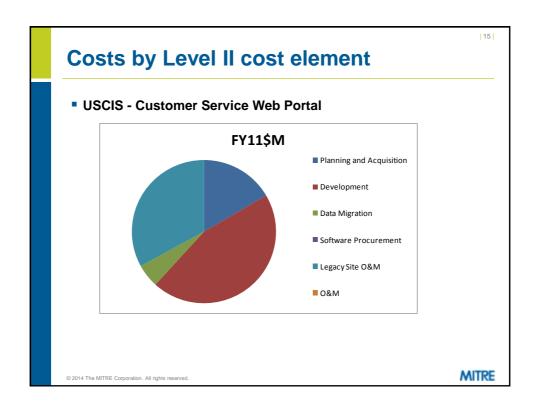


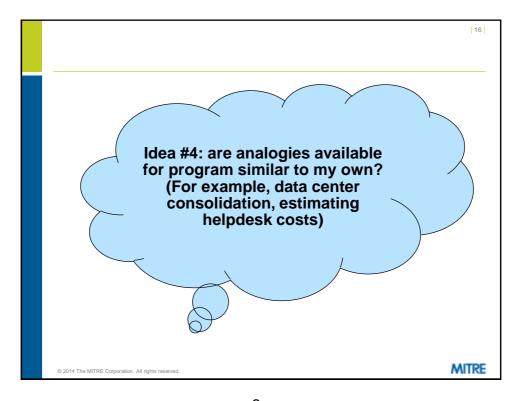
IT-14 - The Federal IT Dashboard: Potential Application for IT Cost & Schedule Analysis

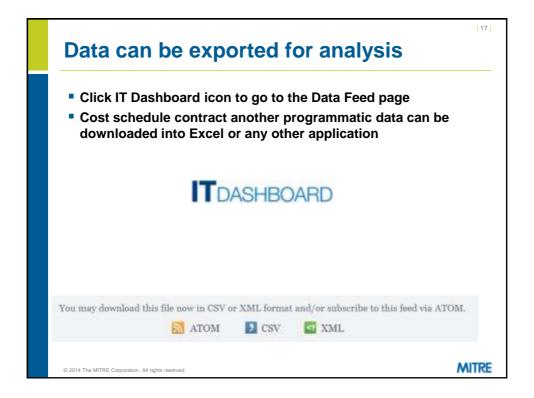


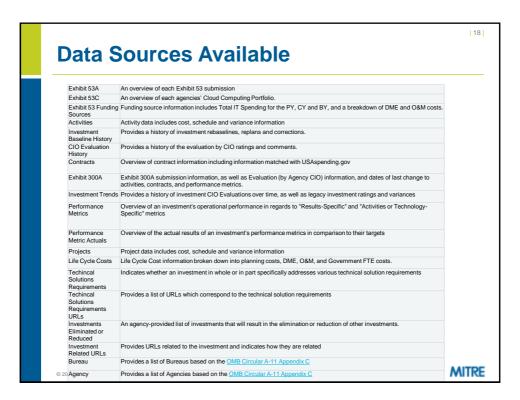


IT-14 - The Federal IT Dashboard: Potential Application for IT Cost & Schedule Analysis









# Federal Enterprise Architecture Categories

19

- Systems are all classified in the IT Dashboard according to their FEA Segment and Primary Function
- How do programs of like classifications compare to each other?
- According to Whitehouse.gov¹:
  - "The FEA Framework equips OMB and Federal agencies with a common language and framework to describe and analyze investments[...] The FEA consists of a set of interrelated "reference models" designed to facilitate crossagency analysis and the identification of duplicative investments, gaps and opportunities for collaboration within and across agencies. Collectively, the reference models comprise a framework for describing important elements of federal agency operations in a common and consistent way."

FEA Reference Model Mapping Quick Guide

2014 The MITRE Corporation. All rights reserved

MITRE

# Federal Enterprise Architecture Standard Segments:

Information Management and Dissemination

Information Security

Information Sharing

IT Infrastructure

IT Management

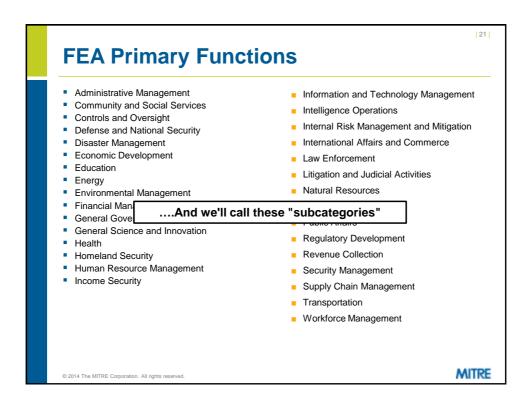
- Segment: Segments are individual elements of the enterprise describing core mission areas, and common or shared business services and enterprise services.
- Acquisition and Grant Management
- Budget Formulation and Execution
- Financial Management
- Geospatial Services
- Health: Health Care Administration
- Health: Health Care Delivery Services
- Health: Health Care Delivery Services
- Health: Health Care Research and Practitioner Education
- Health: Population Health Management and Consumer Safety
- Human Resources Management
- Identity Credential and Access Management

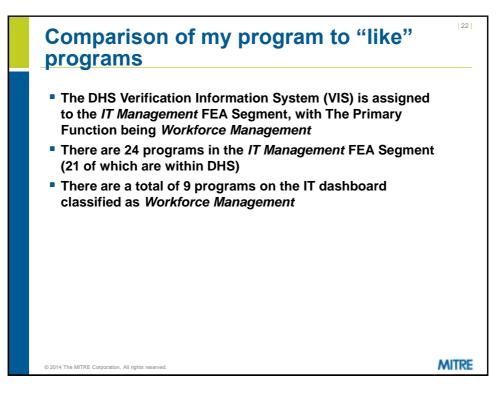
Click <u>here</u> for an overview of the FEA

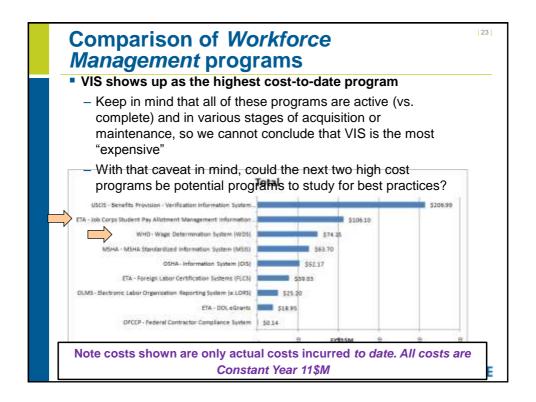
For simplicity sake, let's just call these FEA Segments "categories"......

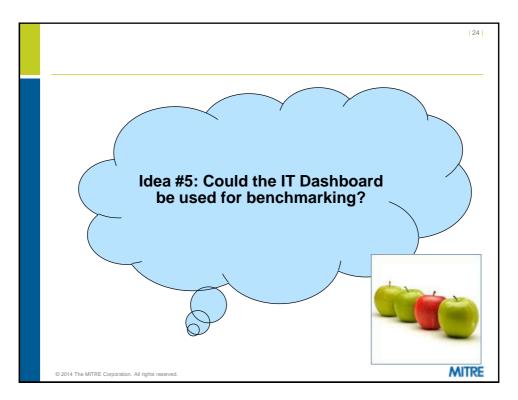
2014 The MITRE Corporation. All rights reserve

MITRE









# ETA - Job Corps Student Pay Allotment Management Information System (SPAMIS)

- Overall rating Green (8.4/10.0)
- Program description: About 103,000 young Job Corps students (citizens) benefit from the Student Pay Allotment Management Information System which provides data processing services that support academic and vocational training resulting in good paying jobs for graduates.
- Investment phase: operations & maintenance
- Contract Info: Time and Materials, Altech Services
- Investment start date: October 1, 2001
- Spending around \$9 million a year for maintenance



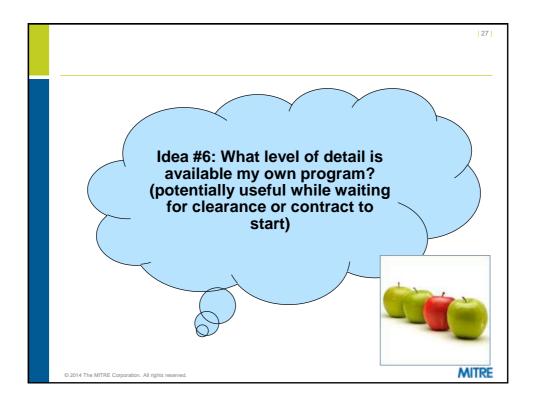
© 2014 The MITRE Corporation. All rights reserved

MITRE

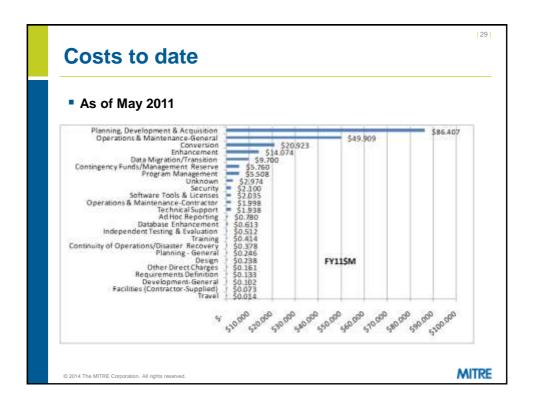
IA/ILIZE

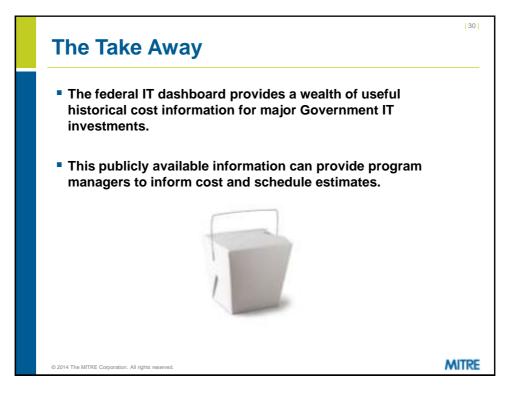
#### WHD - Wage Determination System (WDS) Overall rating Green (10.0/10.0) Program description The WDS is a major application within WHD that supports two legislative acts: the Davis Bacon and related Acts (DBRA) and the McNamara-O'Hara Service Contract Act (SCA), in the mission to achieve and promote compliance with labor standards. Investment phase: operations & maintenance Contract info: Time & Materials Investment start date: October 1, 2001 ■ Policy Compliance Spending around \$12-\$18 million ■ Program Management a year for maintenance ■ Operations & Maintenance-General (services/support) Go to IT Dashboard Services/support Operational Analysis

IT-14 - The Federal IT Dashboard: Potential Application for IT Cost & Schedule Analysis









|31|

#### **Additional Resources**

- TechStat Toolkit
- OMB IT Dashboard
- Presidential Memorandum September 10, 2010
- PerformanceStat
- OMB IT Reform 22DEC2010
- Vivek Kundra speaks to the 25 Point Plan
- GAO-11-318SP: Opportunities to Reduce Potential Duplication in Government Programs, Save Tax Dollars, and Enhance Revenue (Dashboard discussed on p. 235)
- OMB's 25 Point Implementation Plan to Reform Federal Information Technology Management
- Reports & TestimoniesLegal DecisionsComptroller GeneralTopic CollectionsCareersFraudNet/Reporting FraudMultimedia.
- Information Technology: OMB Has Made Improvements to Its
   Dashboard, but Further Work Is Needed by Agencies and OMB to
   Ensure Data Accuracy (March 15, 2011)

© 2014 The MITRE Corporation. All rights reserved

MITRE