

**FY 2014**

**CONGRESSIONAL BUDGET JUSTIFICATION**

**DOL IT MODERNIZATION**



# DOL IT MODERNIZATION

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## **DOL IT MODERNIZATION**

### **APPROPRIATION LANGUAGE**

*For necessary expenses for Department of Labor centralized infrastructure technology investment activities related to support systems and modernization, \$20,587,000.*

Note.--- A full-year 2013 appropriation for this account was not enacted at the time the budget was prepared; therefore, the budget assumes this account is operating under the Continuing Appropriations Resolution, 2013 (P.L. 112-175). The amounts included for 2013 reflect the annualized level provided by the continuing resolution.

# DOL IT MODERNIZATION

## SUMMARY OF CHANGES

(Dollars in Thousands)

|                         | FY 2012<br>Revised Enacted | FY 2014<br>Request | Net Change |
|-------------------------|----------------------------|--------------------|------------|
| <b>Budget Authority</b> |                            |                    |            |
| General Funds           | \$19,814                   | \$20,587           | +\$773     |
| <b>Total</b>            | \$19,814                   | \$20,587           | +\$773     |

|                              |   |   |   |
|------------------------------|---|---|---|
| <b>Full Time Equivalents</b> |   |   |   |
| General Funds                | 0 | 0 | 0 |
| <b>Total</b>                 | 0 | 0 | 0 |

| Explanation of Change                                   | FY 2012 Base |                  | Trust Funds |            | FY 2014 Change<br>General Funds |                 | Total    |                 |
|---|--------------|------------------|-------------|------------|---------------------------------|-----------------|----------|-----------------|
|   | FTE          | Amount           | FTE         | Amount     | FTE                             | Amount          | FTE      | Amount          |
| <b>Increases:</b>                                       |              |                  |             |            |                                 |                 |          |                 |
| <b>A. Built-Ins:</b>                                    |              |                  |             |            |                                 |                 |          |                 |
| To Provide For:   |              |                  |             |            |                                 |                 |          |                 |
| Costs of pay adjustments                                | 0            | \$0              | 0           | \$0        | 0                               | \$0             | 0        | \$0             |
| Communications, utilities, and<br>miscellaneous charges | 0            | \$0              | 0           | \$0        | 0                               | \$0             | 0        | \$0             |
| Printing and reproduction                               | 0            | \$0              | 0           | \$0        | 0                               | \$0             | 0        | \$0             |
| Advisory and assistance services                        | 0            | \$9,812          | 0           | \$0        | 0                               | \$0             | 0        | \$0             |
| Other services from non-Federal<br>sources              | 0            | \$0              | 0           | \$0        | 0                               | \$0             | 0        | \$0             |
| Other goods and services from Federal<br>sources        | 0            | \$3,000          | 0           | \$0        | 0                               | \$0             | 0        | \$0             |
| Operation and maintenance of<br>facilities              | 0            | \$0              | 0           | \$0        | 0                               | \$0             | 0        | \$0             |
| Operation and maintenance of<br>equipment               | 0            | \$6,702          | 0           | \$0        | 0                               | \$0             | 0        | \$0             |
| Equipment   | 0            | \$300            | 0           | \$0        | 0                               | \$0             | 0        | \$0             |
| <b>Built-Ins Subtotal</b>                               | <b>0</b>     | <b>+\$19,814</b> | <b>0</b>    | <b>\$0</b> | <b>0</b>                        | <b>\$0</b>      | <b>0</b> | <b>\$0</b>      |
| <b>B. Programs:</b>                                     |              |                  |             |            |                                 |                 |          |                 |
| IT Infrastructure Modernization                         | 0            | \$13,852         | 0           | \$0        | 0                               | \$7,704         | 0        | \$7,704         |
| <b>Programs Subtotal</b>                                | <b>0</b>     | <b>\$13,852</b>  | <b>0</b>    | <b>\$0</b> | <b>0</b>                        | <b>+\$7,704</b> | <b>0</b> | <b>+\$7,704</b> |
| <b>Total Increase</b>                                   | <b>0</b>     | <b>+\$19,814</b> | <b>0</b>    | <b>\$0</b> | <b>0</b>                        | <b>+\$7,704</b> | <b>0</b> | <b>+\$7,704</b> |
| <b>Decreases:</b>                                       |              |                  |             |            |                                 |                 |          |                 |
| <b>A. Built-Ins:</b>                                    |              |                  |             |            |                                 |                 |          |                 |
| To Provide For:   |              |                  |             |            |                                 |                 |          |                 |
| <b>Built-Ins Subtotal</b>                               | <b>0</b>     | <b>\$0</b>       | <b>0</b>    | <b>\$0</b> | <b>0</b>                        | <b>\$0</b>      | <b>0</b> | <b>\$0</b>      |
| <b>B. Programs:</b>                                     |              |                  |             |            |                                 |                 |          |                 |
| Departmental Support Systems                            | 0            | \$8,000          | 0           | \$0        | 0                               | -\$6,931        | 0        | -\$6,931        |

## DOL IT MODERNIZATION

| Explanation of Change    | FY 2012 Base |                  | Trust Funds |            | FY 2014 Change<br>General Funds |                 | Total    |                 |
|--------------------------|--------------|------------------|-------------|------------|---------------------------------|-----------------|----------|-----------------|
|                          | FTE          | Amount           | FTE         | Amount     | FTE                             | Amount          | FTE      | Amount          |
| <b>Programs Subtotal</b> |              |                  | <b>0</b>    | <b>\$0</b> | <b>0</b>                        | <b>-\$6,931</b> | <b>0</b> | <b>-\$6,931</b> |
| <b>Total Decrease</b>    | <b>0</b>     | <b>\$0</b>       | <b>0</b>    | <b>\$0</b> | <b>0</b>                        | <b>-\$6,931</b> | <b>0</b> | <b>-\$6,931</b> |
| <b>Total Change</b>      | <b>0</b>     | <b>+\$19,814</b> | <b>0</b>    | <b>\$0</b> | <b>0</b>                        | <b>+\$773</b>   | <b>0</b> | <b>+\$773</b>   |

NOTE: FY 2012 reflects actual FTE.

## DOL IT MODERNIZATION

| <b>SUMMARY BUDGET AUTHORITY AND FTE BY ACTIVITY</b> |                                    |               |                                   |               |                            |               |   |               |
|---|------------------------------------|---------------|-----------------------------------|---------------|----------------------------|---------------|---|---------------|
| (Dollars in Thousands)                              |                                    |               |                                   |               |                            |               |   |               |
|   | <b>FY 2012<br/>Revised Enacted</b> |               | <b>FY 2013<br/>Full Year C.R.</b> |               | <b>FY 2014<br/>Request</b> |               | <b>Diff. FY 14 Request /<br/>FY 12 Rev. Enacted</b> |               |
|   | <b>FTE</b>                         | <b>Amount</b> | <b>FTE</b>                        | <b>Amount</b> | <b>FTE</b>                 | <b>Amount</b> | <b>FTE</b>  | <b>Amount</b> |
| <b>Departmental Support Systems</b>                 | <b>0</b>                           | <b>11,829</b> | <b>0</b>                          | <b>11,902</b> | <b>0</b>                   | <b>4,898</b>  | <b>0</b>  | <b>-6,931</b> |
| General Funds                                       | 0                                  | 11,829        | 0                                 | 11,902        | 0                          | 4,898         | 0   | -6,931        |
|   |                                    |               |                                   |               |                            |               |   |               |
| <b>IT Infrastructure Modernization</b>              | <b>0</b>                           | <b>7,985</b>  | <b>0</b>                          | <b>8,034</b>  | <b>0</b>                   | <b>15,689</b> | <b>0</b>  | <b>7,704</b>  |
| General Funds                                       | 0                                  | 7,985         | 0                                 | 8,034         | 0                          | 15,689        | 0   | 7,704         |
|   |                                    |               |                                   |               |                            |               |   |               |
| <b>Total</b>  | <b>0</b>                           | <b>19,814</b> | <b>0</b>                          | <b>19,936</b> | <b>0</b>                   | <b>20,587</b> | <b>0</b>  | <b>773</b>    |
| <b>General Funds</b>                                | <b>0</b>                           | <b>19,814</b> | <b>0</b>                          | <b>19,936</b> | <b>0</b>                   | <b>20,587</b> | <b>0</b>  | <b>773</b>    |

NOTE: FY 2012 reflects actual FTE.



## DOL IT MODERNIZATION

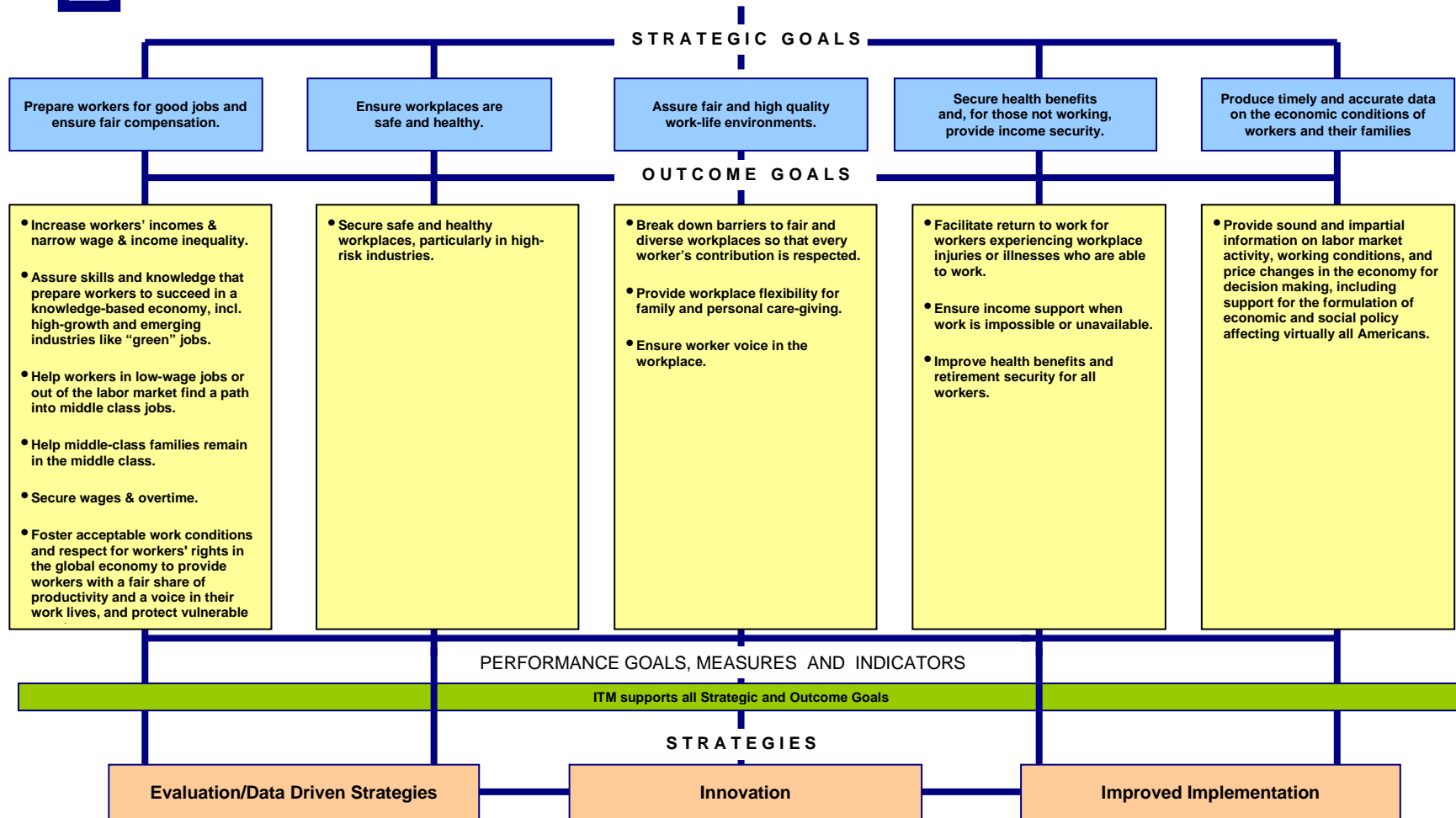
| <b>BUDGET AUTHORITY BY OBJECT CLASS</b> |  |  |                                       |                            |  |
|---|--|--|---------------------------------------|----------------------------|--|
| (Dollars in Thousands)                  |  |  |                                       |                            |  |
|   |  | <b>FY 2012<br/>Revised<br/>Enacted</b> | <b>FY 2013<br/>Full Year<br/>C.R.</b> | <b>FY 2014<br/>Request</b> | <b>Diff. FY14<br/>Request /<br/>FY 12<br/>Rev.<br/>Enacted</b> |
|   | Full-Time Equivalent                                 |  |                                       |                            |  |
|   | Total  | 0                                      | 0                                     | 0                          | 0  |
|   | Average ES Salary                                    | \$0                                    | \$0                                   | \$0                        | \$0  |
|   | Average GM/GS Grade                                  | 0                                      | 0                                     | 0                          | 0  |
|   | Average GM/GS Salary                                 | \$0                                    | \$0                                   | \$0                        | \$0  |
|   | Average Salary of Ungraded Positions                 | 0                                      | 0                                     | 0                          | 0  |
|   |  |  |                                       |                            |  |
| 11.1                                    | Full-time permanent                                  | 0                                      | 0                                     | 0                          | 0  |
| 11.9                                    | Total personnel compensation                         | 0                                      | 0                                     | 0                          | 0  |
| 23.3                                    | Communications, utilities, and miscellaneous charges | 0                                      | 0                                     | 2,000                      | 2,000  |
| 24.0                                    | Printing and reproduction                            | 0                                      | 0                                     | 0                          | 0  |
| 25.1                                    | Advisory and assistance services                     | 9,812                                  | 9,934                                 | 8,810                      | -1,002   |
| 25.2                                    | Other services from non-Federal sources              | 0                                      | 0                                     | 0                          | 0  |
| 25.3                                    | Other goods and services from Federal sources 1/     | 3,000                                  | 3,000                                 | 2,398                      | -602   |
| 25.4                                    | Operation and maintenance of facilities              | 0                                      | 0                                     | 0                          | 0  |
| 25.7                                    | Operation and maintenance of equipment               | 6,702                                  | 6,702                                 | 6,629                      | -73  |
| 31.0                                    | Equipment  | 300                                    | 300                                   | 750                        | 450  |
|   | <b>Total</b>   | <b>19,814</b>                          | <b>19,936</b>                         | <b>20,587</b>              | <b>773</b>   |
|   |  |  |                                       |                            |  |
|   | 1/Other goods and services from Federal sources      |  |                                       |                            |  |
|   | Services by Other Government Departments             | 3,000                                  | 3,000                                 | 2,398                      | -602   |

NOTE: FY 2012 reflects actual FTE.

# DOL IT MODERNIZATION



## Department's Vision: "Good Jobs for Everyone"



# DOL IT MODERNIZATION

## PERFORMANCE STRUCTURE

| <b>Strategic and Outcome Goals Supporting <i>Good Jobs for Everyone</i></b>  | <b>Supporting Budget Activities</b> |
|--|-------------------------------------|
| <b>Strategic Goal 1 – Prepare Workers for Good Jobs and Ensure Fair Compensation</b>   | ITM supports all strategic goals    |
| 1.1 Increase workers’ incomes and narrowing wage and income inequality.  |                                     |
| 1.2 Assure skills and knowledge that prepare workers to succeed in a knowledge-based economy, including in high-growth and emerging industry sectors like “green” jobs.  |                                     |
| 1.3 Help workers who are in low-wage jobs or out of the labor market find a path into middle class jobs.   |                                     |
| 1.4 Help middle-class families remain in the middle class.   |                                     |
| 1.5 Secure wages and overtime.   |                                     |
| 1.6 Foster acceptable work conditions and respect for workers’ rights in the global economy to provide workers with a fair share of productivity and protect vulnerable people.  |                                     |
| <b>Strategic Goal 2 – Ensure Workplaces Are Safe and Healthy</b>   |                                     |
| 2.1 Secure safe and healthy workplaces, particularly in high-risk industries.  |                                     |
| <b>Strategic Goal 3 – Assure Fair and High Quality Work-Life Environments</b>  |                                     |
| 3.1 Break down barriers to fair and diverse work places so that every worker’s contribution is respected.  |                                     |
| 3.2 Provide workplace flexibility for family and personal care-giving.   |                                     |
| 3.3 Ensure worker voice in the workplace.  |                                     |
| <b>Strategic Goal 4 – Secure Health Benefits and, for Those Not Working, Provide Income Security</b>   |                                     |
| 4.1 Facilitate return to work for workers experiencing workplace injuries or illnesses who are able to work.   |                                     |
| 4.2 Ensure income support when work is impossible or unavailable.  |                                     |
| 4.3 Improve health benefits and retirement security for all workers.   |                                     |
| <b>Strategic Goal 5 – Assure the Production of Timely and Accurate Data on Social and Economic Conditions of Workers and their Families</b>  |                                     |
| 5.1 Provide sound and impartial information on labor market activity, working conditions, and price changes in the economy for decision making, including support for the formulation of economic and social policy affecting virtually all Americans. |                                     |

# **DOL IT MODERNIZATION**

## **AUTHORIZING STATUTES**

# DOL IT MODERNIZATION

| <b>APPROPRIATION HISTORY</b> |   |                            |                             |                       |            |
|------------------------------|---|----------------------------|-----------------------------|-----------------------|------------|
| (Dollars in Thousands)       |   |                            |                             |                       |            |
|                              | <b>Budget<br/>Estimates to<br/>Congress</b> | <b>House<br/>Allowance</b> | <b>Senate<br/>Allowance</b> | <b>Appropriations</b> | <b>FTE</b> |
| 2012                         |   |                            |                             |                       |            |
| Base Appropriation           | \$25,000                                    | \$0                        | \$0                         | \$19,814              | 0          |
| 2013                         |   |                            |                             |                       |            |
| Base Appropriation           | \$21,852                                    | \$0                        | \$0                         | \$19,936              | 0          |
| 2014                         |   |                            |                             |                       |            |

# DOL IT MODERNIZATION

## OVERVIEW

### Introduction

The FY 2014 IT Modernization (ITM) budget will provide systematic program support for the Department's vision of "*Good Jobs for Everyone*" by allowing for a more robust, updated IT environment. This Budget ensures ITM's continued role in the achievement of the Department's strategic goals to prepare workers for good jobs with fair compensation, ensure workplace safety and health, secure health benefits and income security, assure fair and high-quality work-life environments, and produce timely and accurate data on economic conditions of workers and families.

The overall strategy of the ITM program is to increase user productivity and customer service through consolidating and optimizing common IT infrastructure services and commodities. This will create a shared information environment for common data resources, streamlined cross-agency communications, and eliminate duplicative agency operations. ITM executes this strategy while ensuring delivery of secure, private, and efficient services to the public.

DOL's ITM program has two budget activities: IT Infrastructure Modernization and Departmental Support Systems. Both activities focus on accelerating the Department's IT modernization efforts. The \$20,587,000 requested for FY 2014 will be invested in projects that will improve and modernize the Department's IT practices.

### IT Infrastructure Modernization

The requested FY 2014 funding level of \$15,689,000 will allow ITM to enhance IT Modernization Information investments. The FY 2014 Budget provides support for two critical ITM projects: Infrastructure Services and Infrastructure Technological Improvements.

*Infrastructure Services:* The purpose of the Infrastructure Services project is to allow the Department to provide commodity information technology infrastructure services which leverage "shared-first" and "cloud first" applications. This approach will alleviate the need for DOL agencies to continue to carry large, costly, redundant, and inefficient IT infrastructures. Savings derived from this effort will be repurposed toward value-added IT capabilities to increase user productivity and customer service.

DOL will apply the lessons learned over the course of FY 2012 and 2013 ITM operations that identified the largest performance gaps between existing and desired capabilities. As a result of the analysis done in prior budget years, funding in FY 2014 will be used for collaborative activities, including video conferencing, document management, and mobile access to DOL information resources. With the appropriate security controls, wireless access will allow authorized users to access DOL network resources with both government furnished devices and their own devices, using desktop computers and mobile applications. As a result, DOL employees will have expanded technological capabilities which will lead to increased collaboration and productivity.

## **DOL IT MODERNIZATION**

*Infrastructure Technological Improvements:* For this project, requested funding in FY 2014 will provide the Office of the Chief Information Officer with needed resources to move all critical server production to a state-of-the-art facility that meets minimum Tier-1 certification requirements. DOL will meet its goals under the Federal Data Center Consolidation initiative, providing a more robust, reliable, cost-effective and energy-efficient computing environment for critical server production activities. It will also reduce energy costs for existing mixed-use buildings where existing data centers are located. By migrating existing production servers to a facility that can support fully-managed hosting services, DOL can reduce requirements for hardware and staffing to support data center operations. Additionally, all public-facing Internet-based services will be fully accessible by citizens who only have access to IPv6 protocol. Funding will be used for the upgrade and configuration of all publicly-accessible web services and information repositories to enable users to fully access them using the IPv6 protocol.

Both the Cloud-based Infrastructure Services and Infrastructure Technological Improvement efforts will help to create a more uniform and consistent IT infrastructure across DOL and will address the DOL budget priorities of using Information Technology strategically to modernize the Department's infrastructure platform. This request will support the Department's demand for better remote connectivity from employees and allow for improved customer service.

### **Departmental Support Systems**

Funding the Departmental Support Systems budget activity at the requested level of \$4,898,000 will allow the Department to deliver enterprise integrated internal and external facing DOL common business support systems including increased security posture for the DOL IT environment, and improved readiness to deliver effective and efficient IT investments. These funds will be used for the following specific investments:

*Human Resources Line of Business Shared Service Center Investment:* The Human Resources Shared Service Center provides for the support in the migration to a shared service center under the Human Resources Line of Business E-government initiative. Specifically, funds in FY 2014 will be used for change request (adjustments) and support for the initial operations as well as support to facilitate the change requests process, facilitate migration of DOL's Human Resources data to the Human Resources Shared Service Center, and to execute the project close-out. The Human Resources Shared Service Center will also provide the benefit of streamlining the current onboarding process for new employees. By converting the majority of forms to electronic documents, it will reduce the need for paper documents and increase efficiency of the onboarding process. Additionally, FY 2014 funds will support a system pilot within the Office of the Assistant Secretary for Administration and Management (OASAM) to ensure the quality and accuracy of the system prior to the DOL-wide launch. After a two pay period pilot, during which OASAM employees will be required to perform dual-maintenance of all HR data and time entries, an assessment of the results will determine if the system is performing as expected. After approval of the pilot, the system will launch to 100% of DOL users.

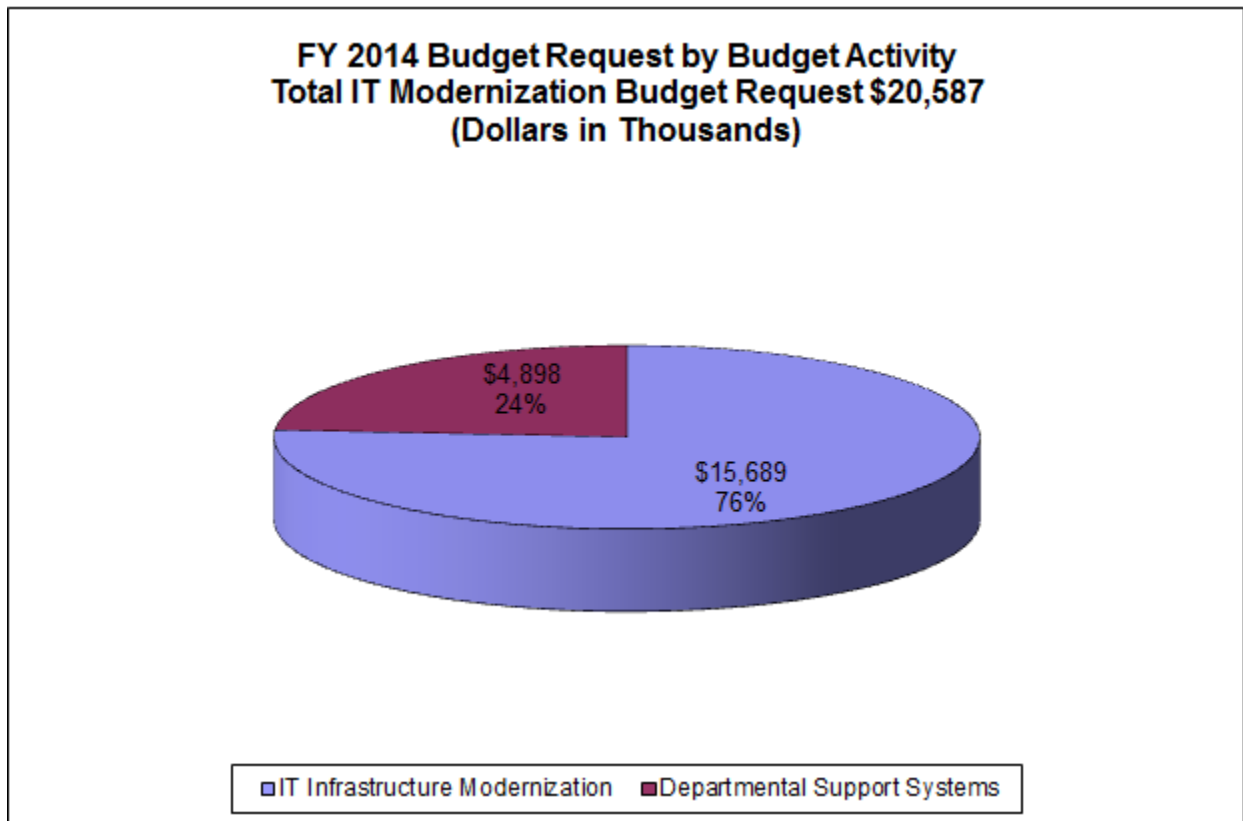
*HSPD-12 (Identity and Access Management):* DOL's implementation of the Identity and Access Management (IAM) component of HSPD-12 aims to achieve the Directive's goal and vision by securing privacy information through rigorous identity- proofing, and authorized access to DOL

## DOL IT MODERNIZATION

IT systems. The proposed budget provides for full DOL compliance with the Federal Identity Credential and Access Management roadmap and the goals of Office of Management and Budget memo M-11-11 by providing a centralized solution that enables services for user authentication and trusted identity provisioning. The FY 2014 IAM performance goals focus on making Identity Management and Provisioning services available to a wide range of enterprise-wide solutions in use by DOL.

### Cost Model

For Information Technology Modernization, the Department of Labor requests a total of \$20,587,000 for FY 2014. This level of funding will enable IT Modernization to provide commodity information technology infrastructure services leveraging “shared-first” and “cloud first” implementation strategies. Furthermore, DOL will be able to finalize progress toward meeting commitments to the Federal Data Center Consolidation initiative, providing a more robust, reliable, cost-effective and energy-efficient computing environment for critical server production activities as well as reducing energy costs for existing mixed-use buildings where data centers are currently located. The funding also will allow the Department to ensure an enterprise-wide approach to consistent and standardized technologies and facilitate IT consolidation.





## DEPARTMENTAL SUPPORT SYSTEMS

| <b>BUDGET AUTHORITY BEFORE THE COMMITTEE</b> |                                    |                                   |                            |   |
|--|------------------------------------|-----------------------------------|----------------------------|---|
| (Dollars in Thousands)                       |                                    |                                   |                            |   |
|  | <b>FY 2012<br/>Revised Enacted</b> | <b>FY 2013<br/>Full Year C.R.</b> | <b>FY 2014<br/>Request</b> | <b>Diff. FY 14<br/>Request /<br/>FY 12 Rev.<br/>Enacted</b> |
| <b>Activity Appropriation</b>                | <b>11,829</b>                      | <b>11,902</b>                     | <b>4,898</b>               | <b>-6,931</b>   |
| FTE  | 0                                  | 0                                 | 0                          | 0   |

### Introduction

The Departmental Support Systems activity supports enterprise-wide information technology (IT) initiatives that facilitate common business solutions for all agencies in the Department. The Office of the Chief Information Officer manages the account and ensures that funding for initiatives fall within one of two portfolio areas: Enterprise-wide programs or Universal/Common solutions.

### Five-Year Budget Activity History

| <u>Fiscal Year</u> | <u>Funding</u><br>(Dollars in Thousands) | <u>FTE</u> |
|--------------------|--|------------|
| 2012               | \$11,829                                 | 0          |
| 2013               | \$11,902                                 | 0          |

### FY 2014

The FY 2014 Departmental Support Systems (DSS) request is for new and ongoing enterprise-wide investments that are evaluated for their viability as well as appropriateness for inclusion within the portfolio and use of DSS funds. Each request is evaluated against established criteria to determine the appropriate use of scarce resources to support investments, which support the Department in achieving its strategic goals. Once a DSS investment achieves a ‘steady state’ (i.e., Operations and Maintenance Stage), it is removed from this funding eligibility and begins to receive funding from the investment users or its beneficiaries. The FY 2014 request includes the following investments and amounts:

| Investment                               | Amount<br>(\$ in<br>000s) | Project<br>Initiation |      | Project<br>Estimated to<br>Reach Steady<br>State |      |
|--|---------------------------|-----------------------|------|--|------|
|  |                           | Quarter               | FY   | Quarter  | FY   |
| Human Resources Shared Service Center    | \$2,400                   | Q1                    | 2011 | Q1   | 2014 |
| HSPD-12 (Identity and Access Management) | \$2,500                   | Q1                    | 2012 | Q4   | 2016 |
| <b>Total:</b>                            | <b>\$4,900</b>            |                       |      |  |      |

## DEPARTMENTAL SUPPORT SYSTEMS

Initiatives included in the FY 2014 request supported by DSS are:

*Human Resources Shared Service Center Investment:* This initiative provides support for the migration to a shared service center (SSC) under the Human Resources (HR) Line of Business E-government initiative. Funding in FY 2014 will be used for change request (adjustments) and support for the initial operations as well as support to facilitate the change requests process, facilitate the migration of DOL's Human Resources data to the Human Resources Shared Service Center, and to execute the project close out.

*HSPD-12 (Identity and Access Management):* DOL's implementation of the Identity and Access Management (IAM) component of HSPD-12 helps protect employees' identities through uniform identity life cycle management services, rigorous identity-proofing and authorized access to DOL IT systems. Funding in FY 2014 will assist in the initiative's efforts to make Identity Management and Provisioning services available to a wide range of enterprise-wide solutions in use by DOL. These goals include (a) Application Provisioning, (b) Single Sign-on for all integrated applications, and (c) Digital Identity Management for both federal and contract employees. In addition, the IAM's service catalog will be expanded to provide additional coverage on integration methods commonly used in the industry.

### **FY 2013**

Figures shown for FY 2013 reflect the annualized Continuing Resolution (P.L. 112-175) as a full-year appropriation, which had not been replaced or amended at the time the budget was produced. In addition, these numbers do not reflect the impact of sequestration. The operating plans for Department of Labor programs for FY 2013 including sequestration are being provided to the Committee in a separate communication.

### **FY 2012**

The FY 2012 Departmental Support Systems (DSS) request was determined for new and ongoing enterprise-wide investments evaluated for viability and appropriateness for inclusion within the portfolio and use of DSS funds. Each request was evaluated to determine the appropriate use of scarce resources to support investments, which assisted the Department in meeting its overall mission. The investments in the DSS are typically enterprise-wide efforts, which progress through the planning, development, and/or implementation phases. Once a DSS investment achieves a steady state (i.e., Operations and Maintenance Stage), it is removed from this funding eligibility and begins to receive funding from the investment users or its beneficiaries. The FY 2012 request included the following investments and amounts:

## DEPARTMENTAL SUPPORT SYSTEMS

| Investment   | Amount (\$<br>in 000s) | Project Initiation |      | Project<br>Estimated to<br>Reach Steady<br>State |      |
|--|------------------------|--------------------|------|--|------|
|  |                        | Quarter            | FY   | Quarter  | FY   |
| DOL Consolidated Enterprise Architecture Program Management (Analysis of re-use Opportunities and Data Governance) | \$3,829                | Q4                 | 2010 | Q4   | 2012 |
| Human Resources Shared Service Center  | \$3,000                | Q1                 | 2010 | Q4   | 2013 |
| HSPD-12 (Identity and Access Management)   | \$4,000                | Q1                 | 2010 | Q4   | 2013 |
| Secretarial Management and Records Tracking (SMART)  | \$1,000                | Q3                 | 2012 | Q4   | 2015 |
| <b>Total:</b>  | <b>\$11,829</b>        |                    |      |  |      |

Initiatives included in FY 2012 supported by the DSS were:

*DOL Consolidated Enterprise Architecture Program Management (Analysis of re-use Opportunities and Data Governance)*: Overall, Enterprise Architecture provides the basis for sound business and IT decision-making by ensuring IT investments align with DOL strategic objectives. It also facilitates simplified and redesigned work processes that result in higher quality, more effective customer services, reduced operational complexity, and reallocation of budget resources to higher value applications. In FY 2012, the Enterprise Architecture Program Management Office (EAPMO) built upon its activities of institutionalizing the Data Architecture, Data Management, and Business Process Modeling methodology to foster information sharing, identify potential consolidation, re-use, cost-saving, and cost-avoidance opportunities. The EAPMO also continued working with agencies to manage and mitigate DOL wide data-related risks through established data governance policies, processes, and responsibilities.

*Human Resources Shared Service Center Investment*: Provides for the support in the migration to a shared service center under the Human Resources (HR) Line of Business E-government initiative. In FY 2012, the project focused on developing and implementing its HR system to deploy to a Federal HR Shared Service Provider, and simultaneously phasing-out the ageing departmental HR system.

*HSPD-12 (Identity and Access Management)*: In FY 2012, DOL's implementation of the Identity and Access Management (IAM) component of HSPD-12 helped to protect employees' identities through uniform identity life cycle management services, rigorous identity-proofing and authorized access to DOL IT systems. Agencies continued to integrate applications with the identity management framework, enabling their respective logical access control system capabilities to use the framework's utility service for authentication and authorization of selected users to these applications.

## DEPARTMENTAL SUPPORT SYSTEMS

| <b>DETAILED WORKLOAD AND PERFORMANCE</b>   |                                    |               |                                       |                            |
|--|------------------------------------|---------------|---------------------------------------|----------------------------|
|  | <b>FY 2012<br/>Revised Enacted</b> |               | <b>FY 2013<br/>Full Year<br/>C.R.</b> | <b>FY 2014<br/>Request</b> |
|  | <b>Target</b>                      | <b>Result</b> | <b>Target</b>                         | <b>Target</b>              |
| <b>Departmental Support Systems</b>  |                                    |               |                                       |                            |
| <b>Strategic Goal ALL - All Strategic Goals</b>                                      |                                    |               |                                       |                            |
| <b>Outcome Goal ALL.1 - All Outcome Goals</b>  |                                    |               |                                       |                            |
| Percent of universal/common systems with improved functionality through enhancements | [base]                             | 80.00%        | 85.00%[e]                             | 88.00%                     |
| Percentage of agencies aligning with enterprise architecture program requirements    | [base]                             | 75.00%        | 80.00%[e]                             | 0.00%                      |

Legend: (r) Revised (e) Estimate (base) Baseline -- Not Applicable TBD - To Be Determined [p] - Projection

## DEPARTMENTAL SUPPORT SYSTEMS

### Workload Summary

Departmental Support Systems supports the Department's mission through efforts that contribute to all strategic and outcome goals. The universal/common solutions included in this budget activity support the Department's vision of "*Good Jobs for Everyone*" by providing increased services to citizens through system enhancements. Measuring the percent of systems with increased functionality through Department Support System enhancements provides for the overall success of the Department in reaching its strategic and outcome goals.

In FY 2014, there is an overall decrease in the activity request from the FY 2012 due to the Human Resources Shared Service Center project completion occurring mostly in FY 2013 and the shift of the Enterprise Architecture Program management support to the working capital fund.

## DEPARTMENTAL SUPPORT SYSTEMS

| <b>BUDGET ACTIVITY BY OBJECT CLASS</b> |  |  |                                       |                            |  |
|--|--|--|---------------------------------------|----------------------------|--|
| (Dollars in Thousands)                 |  |  |                                       |                            |  |
|  |  | <b>FY 2012<br/>Revised<br/>Enacted</b> | <b>FY 2013<br/>Full Year<br/>C.R.</b> | <b>FY 2014<br/>Request</b> | <b>Diff. FY14<br/>Request /<br/>FY 12<br/>Rev.<br/>Enacted</b> |
| 11.1                                   | Full-time permanent                                  | 0                                      | 0                                     | 0                          | 0  |
| 11.9                                   | Total personnel compensation                         | 0                                      | 0                                     | 0                          | 0  |
| 23.3                                   | Communications, utilities, and miscellaneous charges | 0                                      | 0                                     | 0                          | 0  |
| 24.0                                   | Printing and reproduction                            | 0                                      | 0                                     | 0                          | 0  |
| 25.1                                   | Advisory and assistance services                     | 5,127                                  | 5,200                                 | 1,650                      | -3,477   |
| 25.2                                   | Other services from non-Federal sources              | 0                                      | 0                                     | 0                          | 0  |
| 25.3                                   | Other goods and services from Federal sources 1/     | 3,000                                  | 3,000                                 | 2,398                      | -602   |
| 25.4                                   | Operation and maintenance of facilities              | 0                                      | 0                                     | 0                          | 0  |
| 25.7                                   | Operation and maintenance of equipment               | 3,702                                  | 3,702                                 | 600                        | -3,102   |
| 31.0                                   | Equipment  | 0                                      | 0                                     | 250                        | 250  |
|  | <b>Total</b>   | <b>11,829</b>                          | <b>11,902</b>                         | <b>4,898</b>               | <b>-6,931</b>  |
|  |  |  |                                       |                            |  |
|  | 1/Other goods and services from Federal sources      |  |                                       |                            |  |
|  | Services by Other Government Departments             | 3,000                                  | 3,000                                 | 2,398                      | -602   |

# DEPARTMENTAL SUPPORT SYSTEMS

## CHANGES IN FY 2014

(Dollars in Thousands)

**Activity Changes**

**Built-In**

To Provide For:

|  |     |
|--|-----|
| Costs of pay adjustments                             | \$0 |
| Communications, utilities, and miscellaneous charges | 0   |
| Printing and reproduction                            | 0   |
| Advisory and assistance services                     | 0   |
| Other services from non-Federal sources              | 0   |
| Other goods and services from Federal sources        | 0   |
| Operation and maintenance of facilities              | 0   |
| Operation and maintenance of equipment               | 0   |
| Equipment  | 0   |

**Built-Ins Subtotal** **\$0**

**Net Program** **-\$6,931**

**Direct FTE** **0**

|                         | <b>Estimate</b> | <b>FTE</b> |
|-------------------------|-----------------|------------|
| <b>Base</b>             | <b>\$11,829</b> | <b>0</b>   |
| <b>Program Decrease</b> | <b>-\$6,931</b> | <b>0</b>   |

NOTE: Base reflects actual FY 2012 FTE.





## IT INFRASTRUCTURE MODERNIZATION

| <b>BUDGET AUTHORITY BEFORE THE COMMITTEE</b> |                                    |                                   |                            |   |
|--|------------------------------------|-----------------------------------|----------------------------|---|
| (Dollars in Thousands)                       |                                    |                                   |                            |   |
|  | <b>FY 2012<br/>Revised Enacted</b> | <b>FY 2013<br/>Full Year C.R.</b> | <b>FY 2014<br/>Request</b> | <b>Diff. FY 14<br/>Request /<br/>FY 12 Rev.<br/>Enacted</b> |
| <b>Activity Appropriation</b>                | <b>7,985</b>                       | <b>8,034</b>                      | <b>15,689</b>              | <b>7,704</b>  |
| FTE  | 0                                  | 0                                 | 0                          | 0   |

### **Introduction**

The IT Infrastructure Modernization Program will take on new challenges and responsibilities, enhancing the existing delivery of IT services across the Department. The result of this initiative will be a broad and unified IT infrastructure architecture for enterprise-wide common services and solutions of the future. Individual infrastructure modernization projects will be planned and executed to utilize this new design to migrate towards a services-based IT environment that will enable rapid deployment of new technology solutions. Over time, this will transform the DOL IT Infrastructure to a more common, enterprise-wide design that will reduce duplicative solutions, increase cost savings, and provide improved IT security compared to the existing IT infrastructure architecture.

### **Five-Year Budget Activity History**

| <b><u>Fiscal Year</u></b> | <b><u>Funding</u></b><br>(Dollars in Thousands) | <b><u>FTE</u></b> |
|---------------------------|---|-------------------|
| 2012                      | \$7,985   | 0                 |
| 2013                      | \$8,034   | 0                 |

### **FY 2014**

This request will support the Department’s demand for better remote connectivity from employees and allow for improved customer service.

The FY 2014 request for IT Infrastructure Modernization is \$15,689,000 to support the Department’s efforts to provide commodity information technology infrastructure services, meet the demands of the Federal Data Center Consolidation Initiative (DCCI), and enable public-facing Internet-based services to be IPv6 accessible.

The initiative to increase infrastructure services will leverage “shared-first” and “cloud first” implementation strategies to bridge what was identified in an FY 2011 study of DOL stakeholders as some of the largest performance gaps between existing and desired capabilities. This initiative will support mobile access to DOL information resources, including wireless access to DOL network resources; “Bring Your Own Device” capabilities, with the appropriate security controls, “Desktop to Go” capabilities; and collaboration solutions like video conferencing and document management. The Department plans to invest \$4,000,000 of the total request for this effort.

## IT INFRASTRUCTURE MODERNIZATION

Furthermore, DOL will implement its Federal Data Center Consolidation Plan, providing a more robust, reliable, cost-effective and energy-efficient computing environment for critical server production activities. As a result of this FY 2014 funding, all agencies will have production systems operating in a state-of-the-art data center facility with the benefit of easier migration to a cloud-computing environment, meeting Office of Management and Budget strategic objectives. This new environment will reduce agency system maintenance requirements and simplify technology refreshment. In addition to this objective, when all internal networks and devices within DOL are IPv6-capable, agencies will continue to have full access to all external Internet resources for meeting business requirements. The Department plans to invest \$11,689,000 of the total request for this effort.

### **FY 2013**

Figures shown for FY 2013 reflect the annualized Continuing Resolution (P.L. 112-175) as a full-year appropriation, which had not been replaced or amended at the time the budget was produced. In addition, these numbers do not reflect the impact of sequestration. The operating plans for Department of Labor programs for FY 2013 including sequestration are being provided to the Committee in a separate communication.

### **FY 2012**

DOL had nine independently funded and managed IT Infrastructure silos at the sub-agency level. This concept of operation for IT Infrastructure inhibited our ability to maximize technology return on investment, streamline operations, reduce IT operational costs and leverage technology to improve service to the American people.

The \$7,985,000 provided in FY 2012 enabled DOL to:

- Unify three separate IT infrastructures under one organization using planning and design work accomplished in FY 2011.
- Successfully award a contract for a consolidated data center in support of the Federal Data Center Consolidation Initiative (DCCI).
- The new consolidated data center contract enabled compliance with Executive Order 13514 and the Strategic Sustainability Performance Plan covering electronic stewardship and data centers, through the implementation of best management practices.
- 
- Many of the external facing Internet connections completed the migration to IPV6 protocol in FY2012. The remaining external facing Internet connections were positioned to complete the migration in FY2013.

ITM's efforts in FY 2012 allowed IT infrastructure to begin a process of unification, which resulted in cost savings for DOL that was subsequently reinvested in further modernization initiatives. The resulting improvements were seen in the quality of customer service provided to the public, the use of shared data sources within DOL, the enhanced security posture of IT infrastructure, and the efficiency gained from adoption of enterprise-wide solutions.

# IT INFRASTRUCTURE MODERNIZATION

## IT INFRASTRUCTURE MODERNIZATION

| <b>DETAILED WORKLOAD AND PERFORMANCE</b>   |                                    |               |                                       |                            |
|--|------------------------------------|---------------|---------------------------------------|----------------------------|
|  | <b>FY 2012<br/>Revised Enacted</b> |               | <b>FY 2013<br/>Full Year<br/>C.R.</b> | <b>FY 2014<br/>Request</b> |
|  | <b>Target</b>                      | <b>Result</b> | <b>Target</b>                         | <b>Target</b>              |
| <b>IT Infrastructure Modernization</b>   |                                    |               |                                       |                            |
| <b>Strategic Goal ALL - All Strategic Goals</b>  |                                    |               |                                       |                            |
| <b>Outcome Goal ALL.1 - All Outcome Goals</b>  |                                    |               |                                       |                            |
| Decrease the number of servers in non-Tier 1 facility in DC Metro area                                     | [base]                             | 969           | 158[e]                                | 200                        |
| Increase the number of services moved to a cloud-based infrastructure provided as department-wide solution | [base]                             | 0             | 2[e]                                  | 2                          |
| Increase the percentage of DOL network infrastructure that is IPv6 enabled                                 | [base]                             | 5.00%         | 35.00%[e]                             | 100.00%                    |
| Improve customer satisfaction with remote access service   | --                                 | --            | [base]                                | 30.00%                     |

Legend: (r) Revised (e) Estimate (base) Baseline -- Not Applicable TBD - To Be Determined [p] - Projection

# IT INFRASTRUCTURE MODERNIZATION

## Workload Summary

IT Infrastructure Modernization supports all of the strategic and outcome goals of the Department. The performance measures are associated with projects that include implementing the DOL-specific Data Center Consolidation Initiative (DCCI), Internet Protocol version 6 (IPv6), and migrating more services to a centralized, cloud-based infrastructure, thus providing a platform to support telework through remote access and collaboration across the Department.

In FY 2014, DOL will measure progress of the DCCI strategy which will transition the remaining agencies to the new data center facility. The work not only involves moving equipment to a new Tier-1 facility but consolidation of servers into fewer racks and greater use of server virtualization, reducing server inventory and power consumption. This will enable a better infrastructure for all agencies, promoting all strategic and outcome goals. The outcome for IPv6 in FY 2013 will provide for an upgrade and configuration of all publicly accessible web services and other information repositories to enable users to fully access them using the IPv6 protocol. Additionally, the Department intends to implement mobility and collaboration capabilities across the Department and enable DOL users to collaborate in and out of the office, access their desktop and needed resources from anywhere, using any device, requires an infusion of capital to build and integrate these capabilities into the infrastructure thus increase customer service and satisfaction as a result of these new capabilities.

This request will support the Department's demand for better remote connectivity from employees and allow for improved customer service.

## IT INFRASTRUCTURE MODERNIZATION

| <b>BUDGET ACTIVITY BY OBJECT CLASS</b> |  |  |                                       |                            |  |
|--|--|--|---------------------------------------|----------------------------|--|
| (Dollars in Thousands)                 |  |  |                                       |                            |  |
|  |  | <b>FY 2012<br/>Revised<br/>Enacted</b> | <b>FY 2013<br/>Full Year<br/>C.R.</b> | <b>FY 2014<br/>Request</b> | <b>Diff. FY14<br/>Request /<br/>FY 12<br/>Rev.<br/>Enacted</b> |
| 11.1                                   | Full-time permanent                                  | 0                                      | 0                                     | 0                          | 0  |
| 11.9                                   | Total personnel compensation                         | 0                                      | 0                                     | 0                          | 0  |
| 23.3                                   | Communications, utilities, and miscellaneous charges | 0                                      | 0                                     | 2,000                      | 2,000  |
| 24.0                                   | Printing and reproduction                            | 0                                      | 0                                     | 0                          | 0  |
| 25.1                                   | Advisory and assistance services                     | 4,685                                  | 4,734                                 | 7,160                      | 2,475  |
| 25.2                                   | Other services from non-Federal sources              | 0                                      | 0                                     | 0                          | 0  |
| 25.3                                   | Other goods and services from Federal sources 1/     | 0                                      | 0                                     | 0                          | 0  |
| 25.4                                   | Operation and maintenance of facilities              | 0                                      | 0                                     | 0                          | 0  |
| 25.7                                   | Operation and maintenance of equipment               | 3,000                                  | 3,000                                 | 6,029                      | 3,029  |
| 31.0                                   | Equipment  | 300                                    | 300                                   | 500                        | 200  |
|  | <b>Total</b>   | <b>7,985</b>                           | <b>8,034</b>                          | <b>15,689</b>              | <b>7,704</b>   |
|  |  |  |                                       |                            |  |
|  | 1/Other goods and services from Federal sources      |  |                                       |                            |  |

# IT INFRASTRUCTURE MODERNIZATION

## CHANGES IN FY 2014

(Dollars in Thousands)

**Activity Changes**

**Built-In**

To Provide For:

|  |     |
|--|-----|
| Costs of pay adjustments                             | \$0 |
| Communications, utilities, and miscellaneous charges | 0   |
| Printing and reproduction                            | 0   |
| Advisory and assistance services                     | 0   |
| Other services from non-Federal sources              | 0   |
| Other goods and services from Federal sources        | 0   |
| Operation and maintenance of facilities              | 0   |
| Operation and maintenance of equipment               | 0   |
| Equipment  | 0   |

**Built-Ins Subtotal** **\$0**

**Net Program** **\$7,704**

**Direct FTE** **0**

|                         | <b>Estimate</b> | <b>FTE</b> |
|-------------------------|-----------------|------------|
| <b>Base</b>             | <b>\$7,985</b>  | <b>0</b>   |
| <b>Program Increase</b> | <b>\$7,704</b>  | <b>0</b>   |

NOTE: Base reflects actual FY 2012 FTE.