DRPT
Virginia Department of Rail and Public Transportation

Asset Management / Capital Needs Analysis

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Chief Financial Officer

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Background

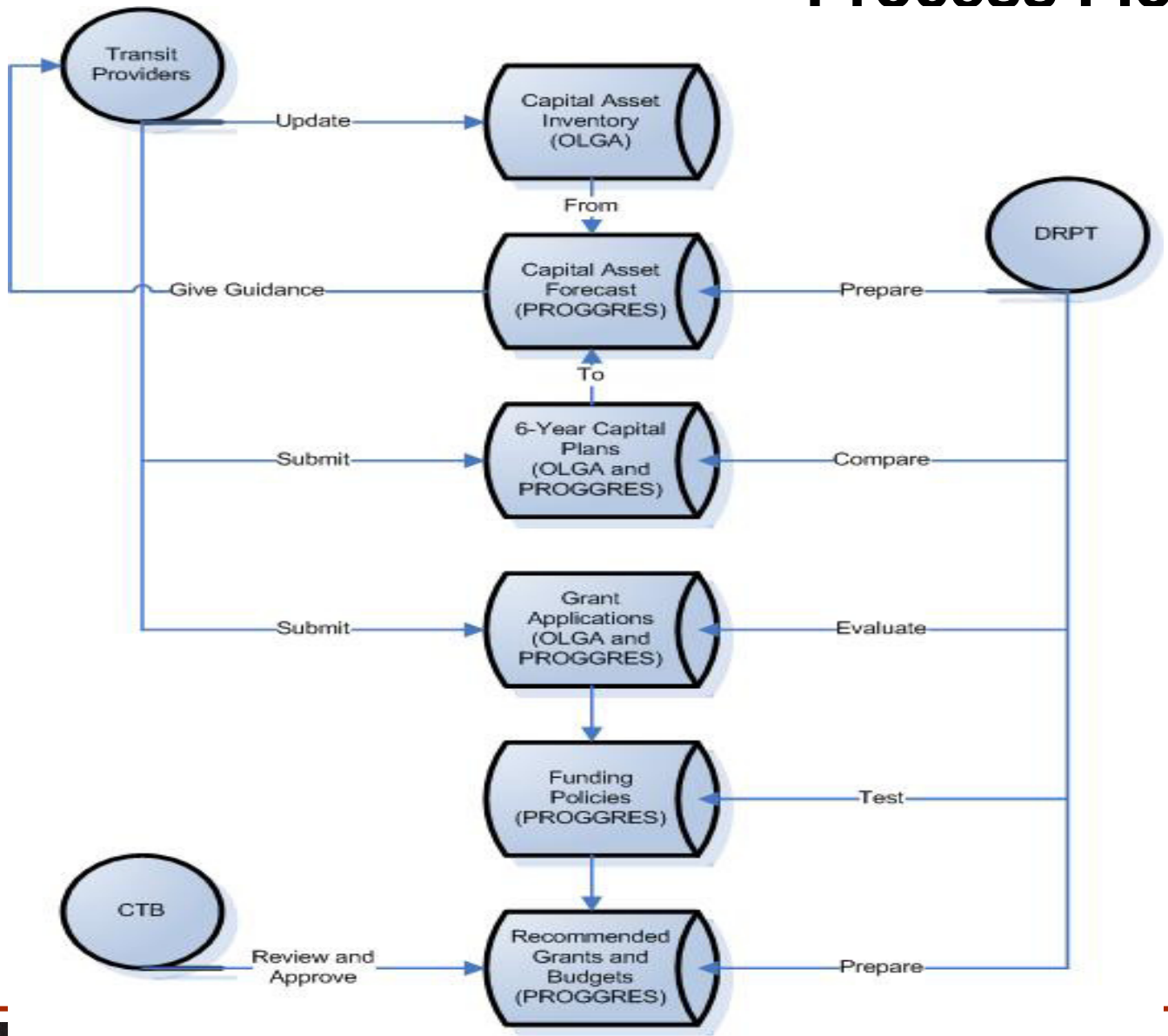
- Spring 2007 organizational assessment
  - Need to increase economic and financial benefit analysis capabilities, including ***managing assets*** and measurement of statewide needs.
  - Allocation by CTB in April 2007 for development of an asset management process.
  - Transit Sustainability Policy
    - " The asset management system shall support the development of a statewide transit and human service capital replacement and improvement program. "

Asset Management Definition and Key Principles

- Definition - A strategic and systematic process of operating, maintaining and expanding physical assets effectively through their life cycle.

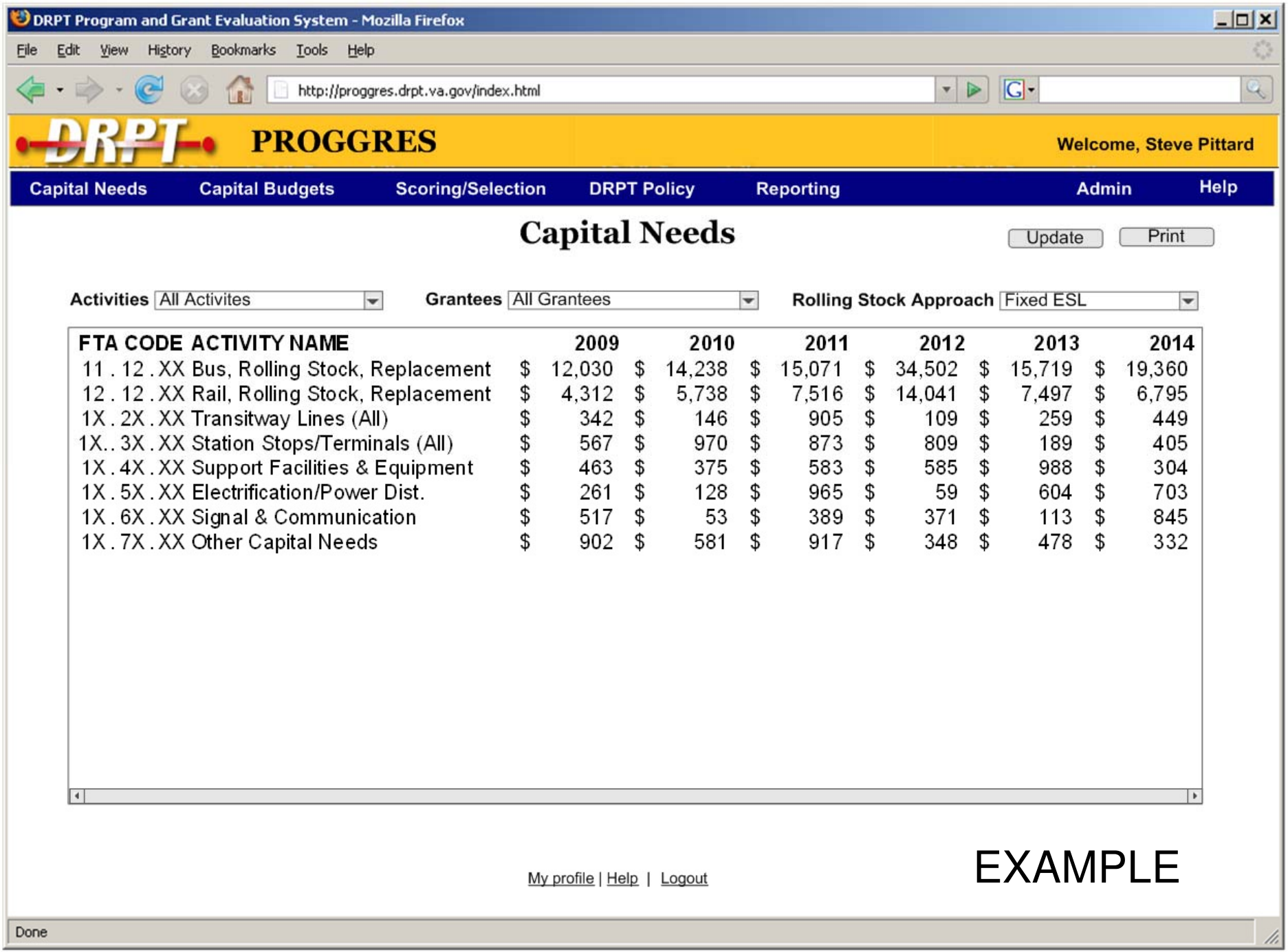
- **Key Principles**
  - Policy-driven
  - Performance-based
  - Analysis of options and tradeoffs
  - Decisions based on quality information
  - Monitoring to provide clear accountability and feedback

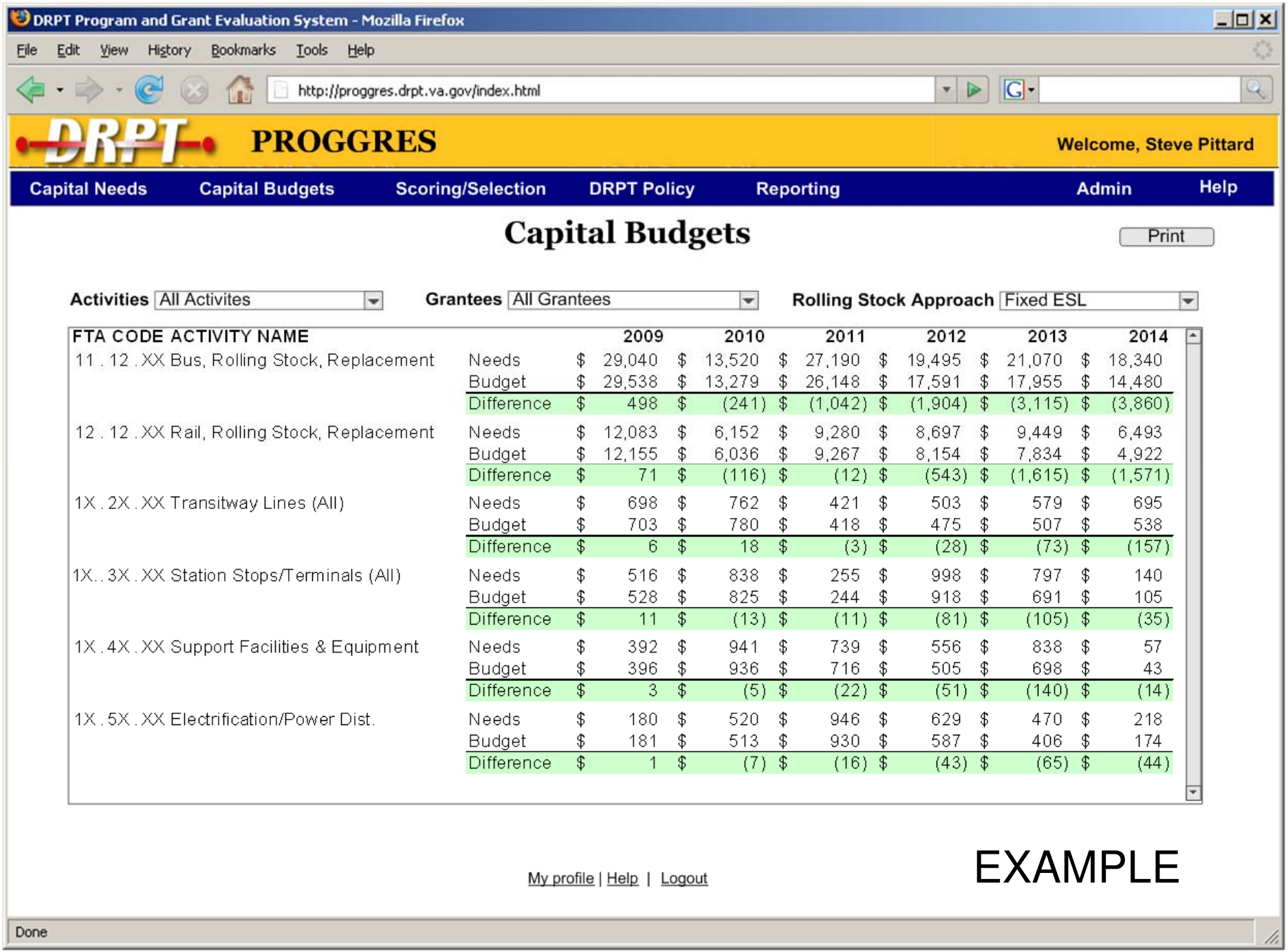
Asset Management Business Process Flowchart



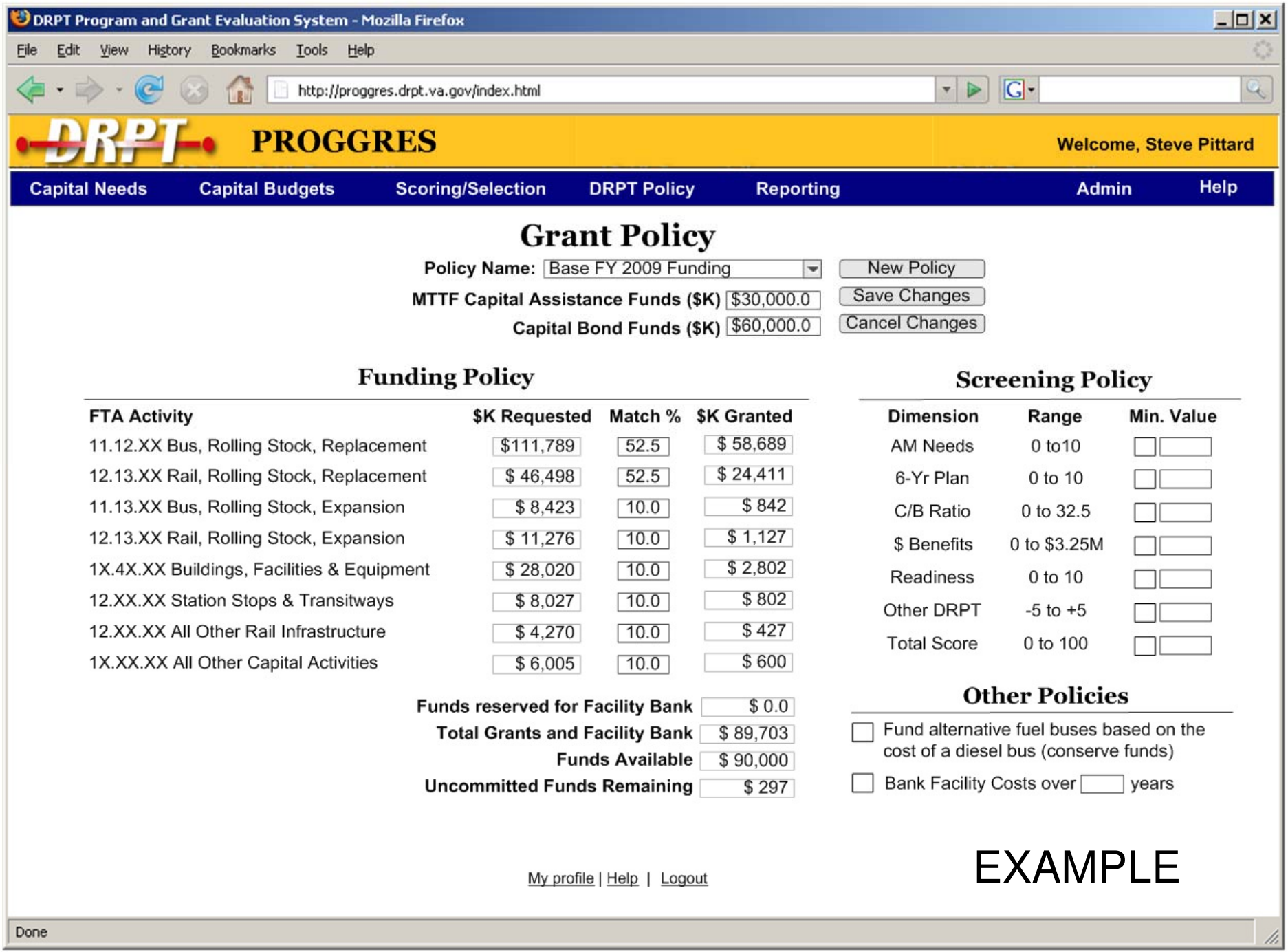
Asset Management System Functionality

- Forecasting of capital needs
- Analysis of funding scenarios
- Evaluation of grant applications
  - Comparison of calculated needs to capital applications
  - More accurate information for the Six-Year Improvement Plan


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PROGGRES
Welcome, Steve Pittard
Capital Needs
Capital Budgets
Scoring/Selection
DRPT Policy
Reporting
Admin
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Capital Needs
Update
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Activities All Activites
Grantees All Grantees
Rolling Stock Approach Fixed ESL
FTA CODE ACTIVITY NAME 2009 2010 2011 2012 2013 2014
11 . 12 . XX Bus, Rolling Stock, Replacement $ 12,030 $ 14,238 $ 15,071 $ 34,502 $ 15,719 $ 19,360
12 . 12 . XX Rail, Rolling Stock, Replacement $ 4,312 $ 5,738 $ 7,516 $ 14,041 $ 7,497 $ 6,795
1X . 2X . XX Transitway Lines (All) $ 342 $ 146 $ 905 $ 109 $ 259 $ 449
1X.. 3X . XX Station Stops/Terminals (All) $ 567 $ 970 $ 873 $ 809 $ 189 $ 405
1X . 4X . XX Support Facilities & Equipment $ 463 $ 375 $ 583 $ 585 $ 988 $ 304
1X . 5X . XX Electrification/Power Dist. $ 261 $ 128 $ 965 $ 59 $ 604 $ 703
1X . 6X . XX Signal & Communication $ 517 $ 53 $ 389 $ 371 $ 113 $ 845
1X . 7X . XX Other Capital Needs $ 902 $ 581 $ 917 $ 348 $ 478 $ 332
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EXAMPLE
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FTA CODE ACTIVITY NAME		2009	2010	2011	2012	2013	2014
11 . 12 . XX Bus, Rolling Stock, Replacement	Needs	$ 29,040	$ 13,520	$ 27,190	$ 19,495	$ 21,070	$ 18,340
	Budget	$ 29,538	$ 13,279	$ 26,148	$ 17,591	$ 17,955	$ 14,480
	Difference	$ 498	$ (241)	$ (1,042)	$ (1,904)	$ (3,115)	$ (3,860)
12 . 12 . XX Rail, Rolling Stock, Replacement	Needs	$ 12,083	$ 6,152	$ 9,280	$ 8,697	$ 9,449	$ 6,493
	Budget	$ 12,155	$ 6,036	$ 9,267	$ 8,154	$ 7,834	$ 4,922
	Difference	$ 71	$ (116)	$ (12)	$ (543)	$ (1,615)	$ (1,571)
1X . 2X . XX Transitway Lines (All)	Needs	$ 698	$ 762	$ 421	$ 503	$ 579	$ 695
	Budget	$ 703	$ 780	$ 418	$ 475	$ 507	$ 538
	Difference	$ 6	$ 18	$ (3)	$ (28)	$ (73)	$ (157)
1X . . 3X . XX Station Stops/Terminals (All)	Needs	$ 516	$ 838	$ 255	$ 998	$ 797	$ 140
	Budget	$ 528	$ 825	$ 244	$ 918	$ 691	$ 105
	Difference	$ 11	$ (13)	$ (11)	$ (81)	$ (105)	$ (35)
1X . 4X . XX Support Facilities & Equipment	Needs	$ 392	$ 941	$ 739	$ 556	$ 838	$ 57
	Budget	$ 396	$ 936	$ 716	$ 505	$ 698	$ 43
	Difference	$ 3	$ (5)	$ (22)	$ (51)	$ (140)	$ (14)
1X . 5X . XX Electrification/Power Dist.	Needs	$ 180	$ 520	$ 946	$ 629	$ 470	$ 218
	Budget	$ 181	$ 513	$ 930	$ 587	$ 406	$ 174
	Difference	$ 1	$ (7)	$ (16)	$ (43)	$ (65)	$ (44)


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Grant Policy
Policy Name: Base FY 2009 Funding
New Policy
MTTF Capital Assistance Funds ($K) $30,000.0
Save Changes
Capital Bond Funds ($K) $60,000.0
Cancel Changes
Funding Policy
FTA Activity
$K Requested
Match %
$K Granted
11.12.XX Bus, Rolling Stock, Replacement
$111,789
52.5
$ 58,689
12.13.XX Rail, Rolling Stock, Replacement
$ 46,498
52.5
$ 24,411
11.13.XX Bus, Rolling Stock, Expansion
$ 8,423
10.0
$ 842
12.13.XX Rail, Rolling Stock, Expansion
$ 11,276
10.0
$ 1,127
1X.4X.XX Buildings, Facilities & Equipment
$ 28,020
10.0
$ 2,802
12.XX.XX Station Stops & Transitways
$ 8,027
10.0
$ 802
12.XX.XX All Other Rail Infrastructure
$ 4,270
10.0
$ 427
1X.XX.XX All Other Capital Activities
$ 6,005
10.0
$ 600
Funds reserved for Facility Bank
$ 0.0
Total Grants and Facility Bank
$ 89,703
Funds Available
$ 90,000
Uncommitted Funds Remaining
$ 297
Screening Policy
Dimension
Range
Min. Value
AM Needs
0 to10
6-Yr Plan
0 to 10
C/B Ratio
0 to 32.5
$ Benefits
0 to $3.25M
Readiness
0 to 10
Other DRPT
-5 to +5
Total Score
0 to 100
Other Policies
Fund alternative fuel buses based on the cost of a diesel bus (conserve funds)
Bank Facility Costs over years
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Asset Management Key Outcomes

- Realistic short and long term capital needs forecast for improved budgeting
- Improved cost-effectiveness and use of available resources
- Lower long-term costs
- Streamlined capital grant application process
- Statewide asset information

Next Steps

- Finalize inventory and capital budget data
- Complete application testing and implementation
- Analyze needs projections and compare to grantee capital budgets
- Evaluate grant applications compared to needs data
- Develop capital allocations for FY2010-2015

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Questions?