



# Get Involved, Track Government Spending with Real-Time Intelligence

Mike Wood, Executive Director RATB  
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# About Recovery.gov



The Recovery Accountability and Transparency Board (RATB) is an independent agency chartered by Congress to ensure transparency and accountability in Recovery Act Spending.



Smartronix and its partners were awarded the Recovery.gov 2.0 project in July 2009 to stand-up a easy to use web information management system.

# About JackBe

- Leading Solution Provider of Real-Time Intelligence Apps.
- Globally deployed to over 100 enterprise & government agencies.



Named to 'Top 10 Enterprise Products' in 2010



# Today's Special Guests

## Mike Wood, Executive Director, Recovery Accountability and Transparency Board (RATB):



- Executive leader for the Board's FederalReporting.gov and Recovery.gov systems and the technology behind the Recovery Operations Center.
- Coordinates for the Board with federal, state and local partners as well as with the public in order to promote transparency and accountability.



Gaurav "GP" Pal, Program Manager, Recovery.gov  
Smartronix

John Crupi, CTO, JackBe

# Today's Agenda

- About the Recovery Accountability and Transparency Board's mission
- Why is it important to have an open, transparent, accountable government?
- How are government agencies and citizens leveraging the Recovery.gov Developer Center?
- Demonstrate how to use the 'State Data Summary' widget and 'Recovery API' in the Recovery.gov Developer Center
- How can citizens measure the economic impact of government funded programs in their local area?

# The American Reinvestment and Recovery Act

As a direct response to the severe economic downturn, Congress passed the *American Recovery and Reinvestment Act (ARRA)* and the President signed it into law in February 2009.

The Recovery Act had three key goals:

- **Create new jobs and save existing ones**
- **Spur economic activity and invest in long-term growth and**
- **Foster unprecedented levels of accountability & transparency in government spending.**

The Recovery Accountability and Transparency Board (RATB) was created by the Recovery Act to provide transparency of Recovery-related funds and to prevent and detect fraud, waste, and mismanagement.

The RATB Board manages [FederalReporting.gov](http://FederalReporting.gov), [Recovery.gov](http://Recovery.gov), as well as [FederalTransparency.gov](http://FederalTransparency.gov) along with the recovery mission objectives.



# Recovery.gov Highlights

- Recipients report
- Sub-recipient data collected
- Real time data – every 90 days
- Quality data – QA processes in place
- Jobs (quarterly) and expenditure data are unique to Recovery.gov
- Transparent information – all downloadable
- Technology firsts –
  - First government wide system in a cloud environment
  - Developer center – data mapping APIs
  - Social media platforms
  - Advanced mapping

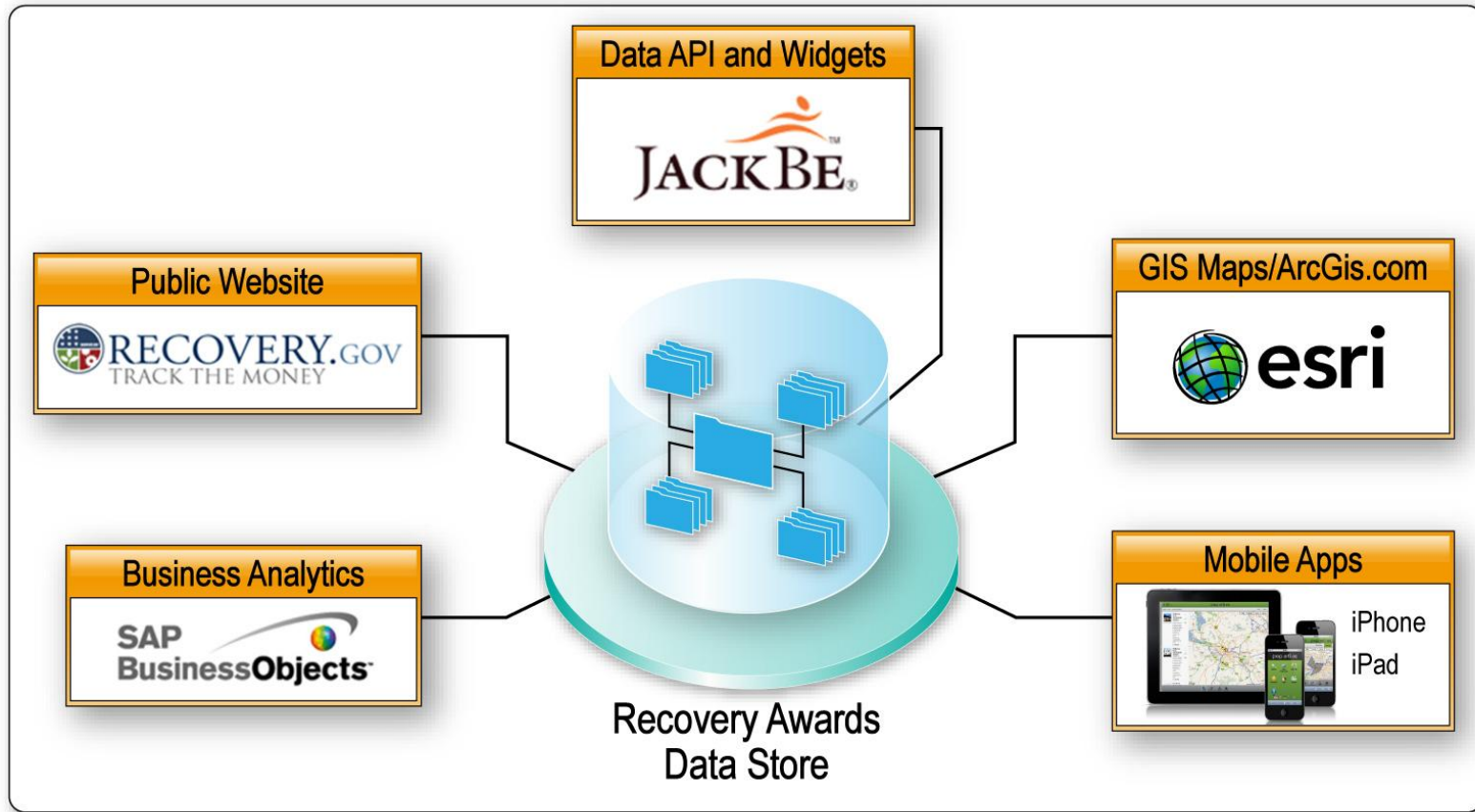


# The Recovery.gov Developer Center Concept

- Transparency is intended to allow taxpayers to be in a better position to hold their government accountable for spending their hard-earned money.
- The data available for public use should be presented in a way that informs rather than overwhelms people
- The concept behind the Recovery.gov Developer Center is to promote unique and interesting applications and presentations of the Recovery data on projects and awards through Apps and Widgets



# Recovery.gov Open Data Architecture



11\_Data API\_005\_v2

Recovery.gov implemented an open architecture delivering “data anywhere” using a cloud-based solution.

# Recovery.gov's Developer Center

The screenshot shows the Recovery.gov homepage with several key sections:

- U.S. TOTAL:** A bar chart showing total funding by state, with a map of the United States.
- RECOVERY FUNDED JOBS REPORTED BY RECIPIENTS:** A section reporting 685,523 jobs.
- OVERVIEW OF FUNDING:** A table showing funding distribution by category.
- DEVELOPER CENTER:** A section for developers with links to various tools and resources.

Category	Amount	Percentage
Total Recovery Act Funds	\$208.6B	100%
Recovery Act	\$128.2B	61%
Other	\$80.4B	39%

The Developer Center is a central location for developers to explore Widgets, Data API's, Mobile Applications to enable the transparency and accountability community to develop new applications.

- FAQs for Citizens
- Benefits and Tax Credits
- Developer Center
  - State Data Summary Widget
  - Recipient Search Widget
  - Recovery Mobile Apps
  - Recovery API
  - ArcGIS Map API
  - 3rd Party Applications
- Social Media Hub
- Recipient Reporting
- Quick Links
- Download Center
- Video Center
- Tribal Resources
- Glossary

## DEVELOPER CENTER

This section provides developers with machine-readable of Recovery awards. This authoritative source allows you as widgets and apps.

**STATE DATA SUMMARY WIDGET**  
Post on your personal or business website data summary of state, county, congressional district, or zip code data reported by recipients. Or you can use the widget on Recovery.gov.

**ADVANCED RECIPIENT DATA SEARCH WIDGET**  
See search results in a table or in a machine-readable file using this widget. Place the widget on your own website use it on Recovery.gov.

# Recovery Widgets in Action & Use Cases

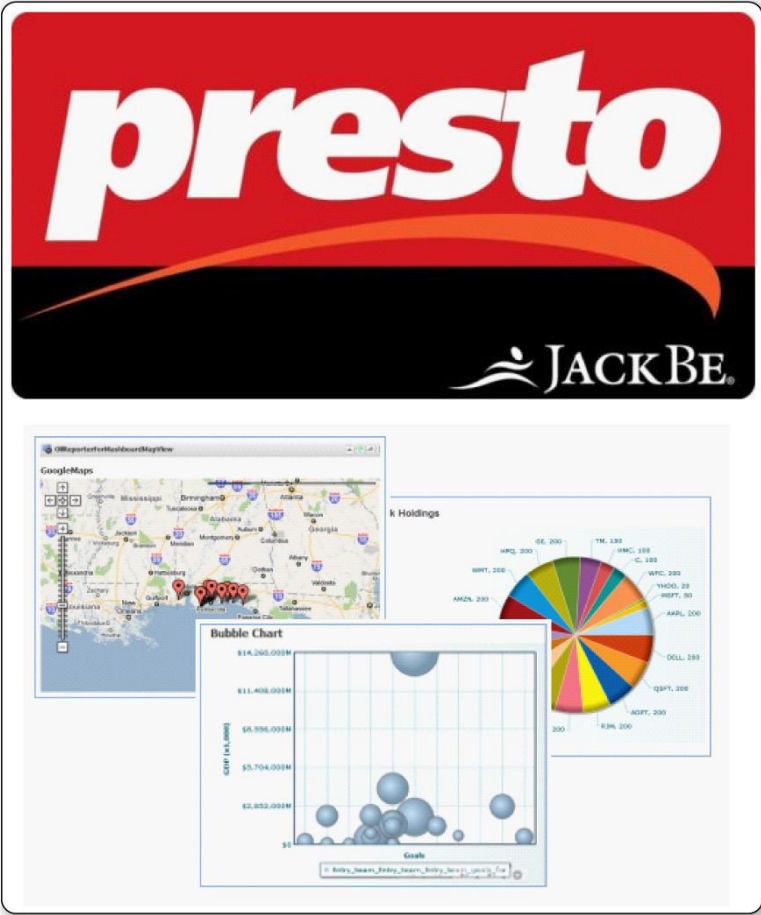
Examples of Recovery Widgets in Use include:



Examples of Business Uses for Widgets include:

- Program Management- Real-time tracking of government funded recovery projects and programs to ensure accountability and effectiveness of federal programs.
- Budget Tracking- Real-time insight into agency budgets that track federally funded projects sponsored by the American Recovery and Reinvestment Act.
- Checks and Balances- Real-time reconciliation of internal agency budgets compared with recovery reporting of government funded programs and projects.

# Presto Delivers Real-Time Intelligence Apps




JackBe's Presto plays an important role in the Recovery.gov 'Developer Center', providing Recipient and Award Apps that allow citizens and developers access to government reporting information.

# Real-time Intelligence for Recovery.gov



# Demo: The State Data Summary Widget

Recovery.Gov Location Summary Map

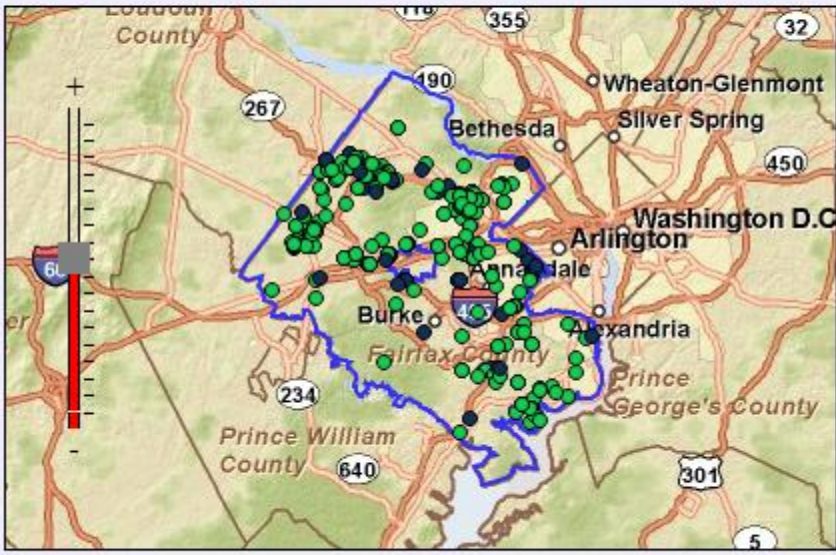
 **RECOVERY.gov**  
TRACK THE MONEY

**State Data Summary Widget**  
This widget provides an overview of data reported by prime and sub-recipients of Recovery Act funds, as of December 31, 2010. The amounts are cumulative from Feb. 17, 2009; the jobs are for the latest reporting quarter only. For more information, please visit [www.recovery.gov](http://www.recovery.gov).

**Selected Location(County): Fairfax, VA**

Prime Projects:	398
Prime Awarded Amount:	\$669,064,830.68
Total Local Projects:	832
<u>Total Local Amount:</u>	\$993,652,882.51
Prime Jobs:	647.93

**Award Information:**  
*Click on a dot to view award recipient.*



[ share ] ★★★★★

Code to Embed Widget: `<script src="http://data.recovery.gov/mashlets/embed.jsp?mashlet=RecoveryGovCDSummaryMashlet&mode=`

# Demo: Recovery API




## RECOVERY API

The Recovery API allows you to request Recovery data through REST API calls and to create customized datasets that are returned in XML format.

The API Definition document provides details on various query parameters and definitions for logical operators. A sample call and sample output are included below.

You can also create a REST API call using the [Advanced Recipient Data Search Widget](#) to automatically generate a custom feed URL through an easy-to-use interface.

 [Recovery REST API Documentation](#) (PDF 140 KB)

### SAMPLE CALL

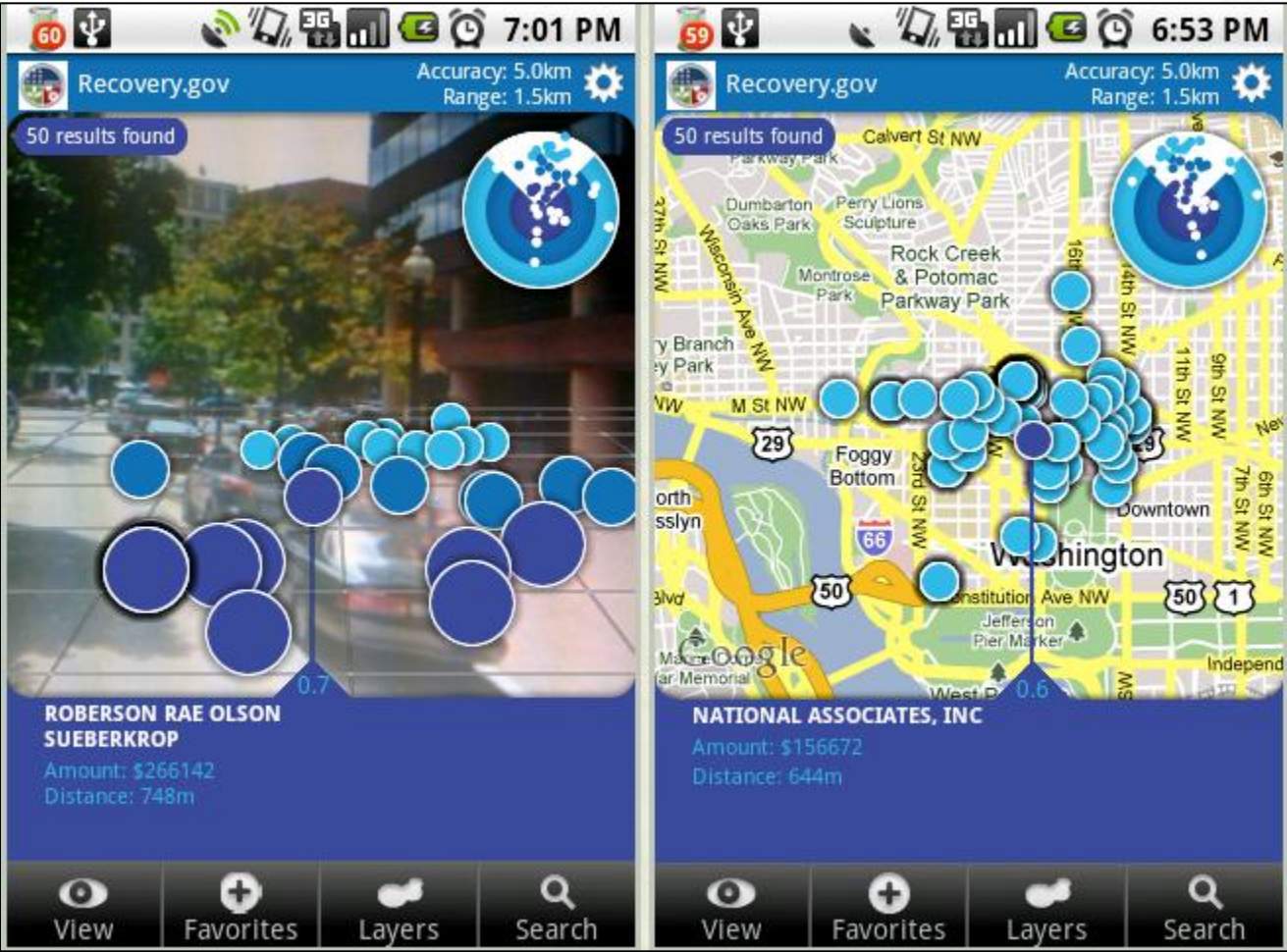
In this example, the results are related to State of MD or VA Grants with an award value between \$0 and \$500 million, a specific Award Number, a specific DUNS number, and a specified date range.

1. award\_type=G indicating award reports for Grants only
2. award\_amount=[bt]0,500000000 indicating all awards between \$0 and \$500 million
3. award\_date = [bt]1/1/2009,5/1/2009 search criteria with an award date range
4. award\_number=0901VACCD7
5. recipient\_duns\_number=015571326
6. calendar\_year=2009
7. calendar\_qtr=4
8. carry\_forward\_flag=1
9. pop\_state\_cd=MD,VA
10. start=1&numberOfEntries=15

Sample Call URL:

[http://data.recovery.gov/presto/edge/api/rest/RecoveryGovAdvancedSearch/Invoke?award\\_type=G&recipient\\_name=&pop\\_postal\\_cd=&funding\\_agency\\_name=&award\\_amount=\[bt\]0,500000000&project\\_status=&award\\_date=\[bt\]1/1/2009,5/1/2009&award\\_number=0901VACCD7&recipient\\_duns\\_number=015571326&calendar\\_year=2009&calendar\\_qtr=4&carry\\_forward\\_flag=1&pop\\_state\\_cd=MD,VA&start=1&number\\_of\\_entries=15](http://data.recovery.gov/presto/edge/api/rest/RecoveryGovAdvancedSearch/Invoke?award_type=G&recipient_name=&pop_postal_cd=&funding_agency_name=&award_amount=[bt]0,500000000&project_status=&award_date=[bt]1/1/2009,5/1/2009&award_number=0901VACCD7&recipient_duns_number=015571326&calendar_year=2009&calendar_qtr=4&carry_forward_flag=1&pop_state_cd=MD,VA&start=1&number_of_entries=15)

# Demo: 3<sup>rd</sup> Party Recovery.gov Applications



# Where you can learn more...



- <http://tomudall.senate.gov/?p=recovery>
- <http://www.phila.gov/recovery/projectmap.html>
- [http://www.michigan.gov/recovery/0,1607,7-172-53548\\_57973-250919--\\_00.html](http://www.michigan.gov/recovery/0,1607,7-172-53548_57973-250919--_00.html)
- <http://billingsgazette.com/app/stimulus/>

Recovery.gov Developer Center:

<http://www.recovery.gov/FAQ/Developer/Pages/default.aspx>

Resources for JackBe: [www.jackbe.com](http://www.jackbe.com)

Resources for Smartronix: <http://smartronix.com/>



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