

Public Open Data Feeds

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Requirements of Open Public Data



- Free Access
 - No cost to the public
 - Downloadable electronic format for digital consumption
- Reusable
 - License-free terms of use
 - Available for redistribution
- Available to All
 - Commercial and non-commercial enterprises can use data



How Open Data is Used



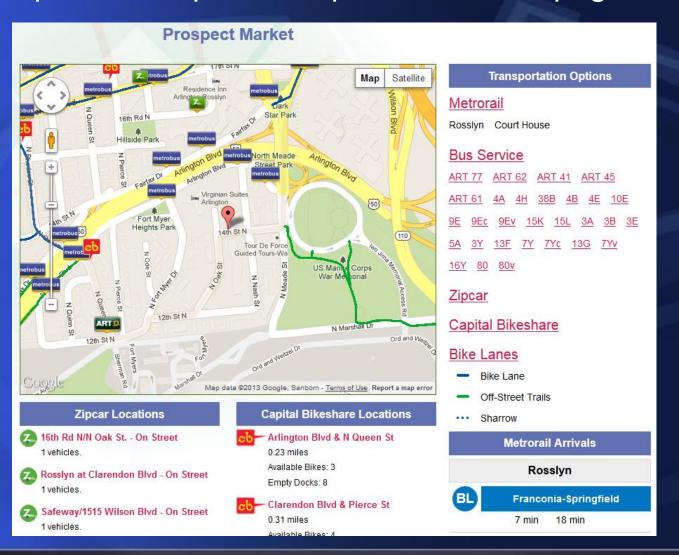
- Interoperability and Integration
 - Data from two or more sources can be overlaid to tell a more compelling story
 - Allows consumers to view data from multiple vantage points
 - Allows for visual representations of data



Interoperability



Transportation Options Map for Commuterpage.com





Integration



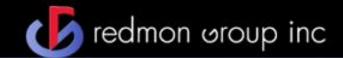
Digital Sign for Arlington County Courthouse Lobby



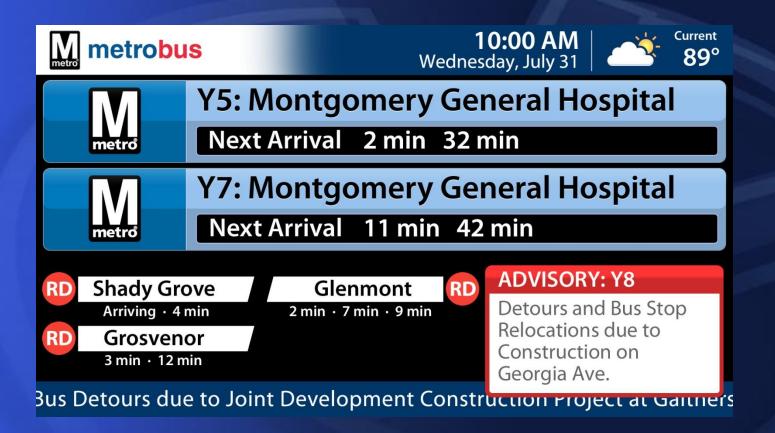




Integration



Digital Sign for Silver Spring Transit Center





Benefits of Open Data



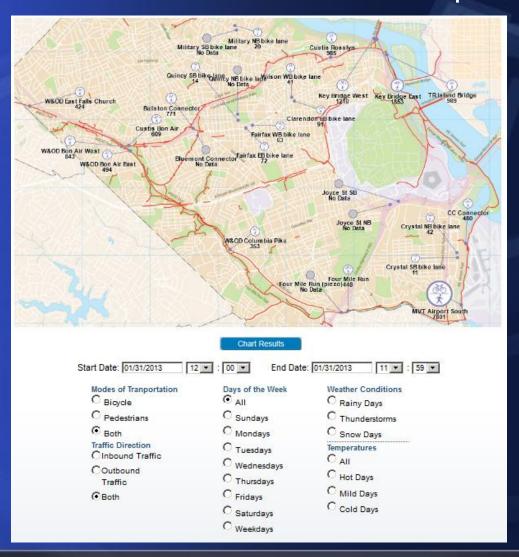
- Transparency
- Awareness
- Innovation
- Research, Advocacy, and Public Policy



Benefits of Open Data



Bike/Pedestrian Counter Map





Open Data Examples



- Transit Operators
 - WMATA, Arlington, Montgomery County, DDOT, Alexandria (coming soon)
 - Station Locations and Schedules
 - Real-time Arrivals
- Carsharing and Bikesharing
 - Locations
 - Inventory
- 511 Traffic Information
- Historical Data
- Performance Metrics



Challenges



- Electronic Formatting
 - XML vs. JSON
 - API (Application Programming Interface)
- Maintenance
 - Scheduled Upload of Data
 - Frequency of Upload
- Hosting
 - In-house or Contractor
 - Data.gov or Google Docs
- Errors in Data
 - Disclaimers and qualifiers
 - Acknowledge but do not cook the data





Thank You

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