

2015 State of the Region Infrastructure Report



January 14, 2015

Board 2014 Infrastructure Initiative

- Priority Board focus
- National issue
- Goals of infrastructure initiative
- Series of expert presentations throughout the year



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Overview of 2015 State of the Region Infrastructure Report

- Purpose of report
- Process of data collection
- Current assets/ownership
- Funding gap estimate



Report Organization

- Executive Summary
- Introduction & Overview of 2014 Infrastructure Initiative
- Infrastructure Sectors
 - Transportation
 - Water
 - Energy
 - Local Public Buildings
 - Public Safety Communications
- Conclusions and Recommendations



Infrastructure Components of The Metropolitan Washington Region



Transportation

- Roads and bridges
- Public Transportation
- Aviation



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Transportation

- Key Findings:
 - New road and bridge improvements are needed to reduce congestion
 - Funding sources need to be identified to fund the upkeep and expansion of the public transportation system (e.g., 8 car Metro trains)
 - Growth needs to be targeted to IAD and BWI due to the limited capacity at DCA
- Current Infrastructure Funding Gap: **\$24.5 billion**



Water



- Drinking Water
- Wastewater
- Storm Water



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Water

- Key Findings:
 - Need up upgrade aging pipes and valves
 - Stormwater management controls need to be widely installed
 - Improve diversification of water supply
- Current Infrastructure Funding Gap: \$20 billion



Energy

- Electricity
- Natural Gas
- Petroleum



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Energy

- Key Findings:
 - Many investments have been made to upgrade the aging energy equipment and improve reliability
 - Access to 3rd party private capital can lead to higher levels of investments
 - Start energy efficiency efforts at the local level
- Current Infrastructure Funding Gap: \$5 billion



Local Public Buildings

- Local public buildings include any building owned or leased by a local government:
 - Schools
 - Libraries
 - Public safety buildings
 - City & county council buildings
 - Recreation centers



Local Public Buildings

- Key Findings:
 - The region spends approximately \$800 million on local public building operating and maintenance costs a year
 - Over 500 projects are planned over the next 6 years
- Current Infrastructure Funding Gap: \$8.5 billion



Public Safety Communications

- National Capital Region's Interoperable Communications Infrastructure (NCR ICI)
- NextGen 911



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Public Safety Communications

- Key Findings:
 - Investments of \$100 million have been made to upgrade the system
 - Old technology is in the process of being updated to NextGen 911 technologies



Findings

Infrastructure Sector	Funding Gap	Time Frame
Transportation—Public Transportation	\$16 billion	10 years
Transportation—Roads	\$7.5 billion	15 years
Transportation—Bridges	\$1 billion	10 years
Water—Storm Water	\$10 billion	10 years
Water—Drinking Water	\$10 billion	10 years
Energy—Electric	\$4.4 billion	3 years
Energy—Gas	\$650 million	5 years
Public Buildings	\$8.5 billion	6 years
Public Safety Communications	Study for Regional NG9-1-1 in process, cost estimates available in late 2015	
Total:	\$58 billion	



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Recommendations

1. Regional infrastructure exchange
2. Public education campaign
3. Continued sharing of best practices
4. Workshop series on unique funding mechanisms
5. Advocacy
6. Adopt resolution R4-2015, accepting the 2015 State of the Region Infrastructure Report



Report Dissemination and Implementation

- Report Dissemination Plan
 - Media and Blogs
 - Member/Stakeholder E-communications
 - Hard Copy Distribution
 - COG Committee Meetings
- Report Implementation Plan
 - Building on ongoing work with COG core competencies
 - Pursue development of an infrastructure exchange and a workshop series on unique funding mechanisms

