



America's Infrastructure: Where Are We Headed?

Vermont Section of ASCE
(American Society of Civil Engineers)

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Meeting Goals

- Introduce Project to Dam Task Force
- Gain input early in our process from a variety of people working with Dams in Vermont
- Collect information on data availability
- Collect ideas for grading.



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2009

REPORT
CARD

★★★★★ for ★★★★★

america's
INFRASTRUCTURE

- A = Exceptional
- B = Good
- C = Mediocre
- D = Poor
- F = Failing

Each category was evaluated on the basis of condition and performance, capacity vs. need, and funding vs. need.

Aviation	D
Bridges	C
Dams	D
Drinking Water	D-
Energy	D+
Hazardous Waste	D
Inland Waterways	D-
Levees	D-
Public Parks and Recreation	C-
Rail	C-
Roads	D-
Schools	D
Solid Waste	C+
Transit	D
Wastewater	D-

AMERICA'S
INFRASTRUCTURE G.P.A.

D

ESTIMATED 5 YEAR
INVESTMENT NEED

\$2.2
TRILLION

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Dams

D



More than 4,000 deficient
dams in U.S.

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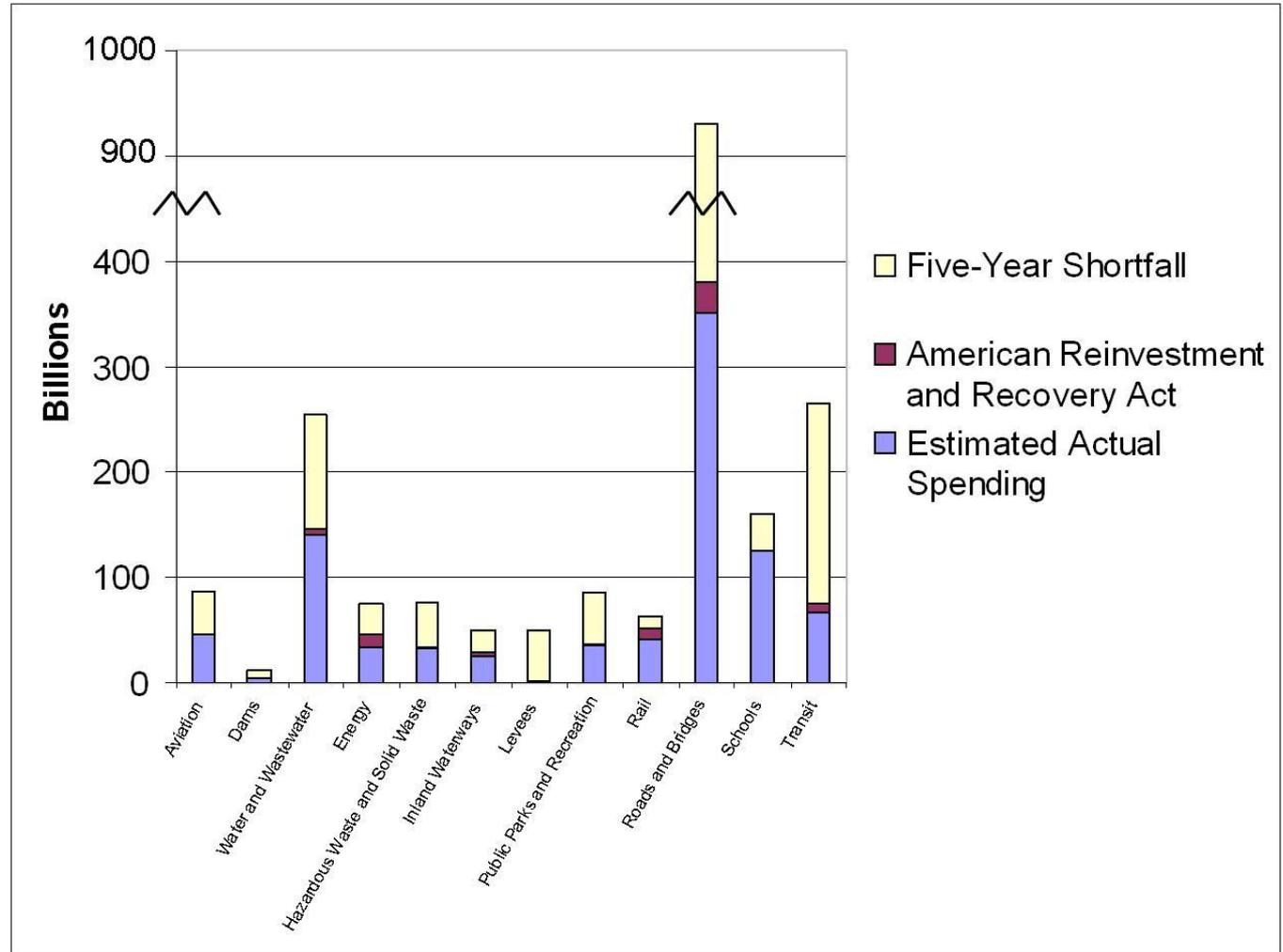
Dams

D



Nearly two dams
declared deficient for
each repaired

Estimated Investment Needs



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Maintenance Costs

\$1 in road maintenance = \$16 in savings



ASCE's National Solutions for Improving Dams

- **Encourage** or require effective state dam safety programs that provide adequate funding, staff, and statutory authorities;
 - **Develop** emergency action plans for every high hazard dam by 2011;
 - **Establish** a national funding program and parallel state programs to repair nonfederally owned dams;
 - **Include** dam failure inundation mapping as part of the National Flood Insurance Program;
 - **Educate** the public about dam safety risk;
 - **Encourage** individuals to educate themselves on location and condition of dams in their area.
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AMERICA'S
INFRASTRUCTURE



www.infrastructurereportcard.org

The screenshot shows the homepage of the ASCE America's Infrastructure Report Card website. At the top right is the ASCE logo. The main header features the title 'AMERICA'S INFRASTRUCTURE REPORT CARD' and a search bar. A navigation menu includes links for HOME, REPORT CARDS, STATES, CATEGORIES, SOLUTIONS, TAKE ACTION, and NEWSROOM. The central content area features a video player showing a man in a blue jacket holding a water sample. To the right is a '2009 Grades' table. Below the video are three promotional boxes: 'Win \$1,000 Enter Photo Contest', 'Get Involved' with links to a blog and Facebook, and 'It's Your State' with a link to find state infrastructure information. A 'Key Solutions' section is also present. The footer contains copyright and contact information.

ASCE American Society of Civil Engineers

REPORT CARD FOR AMERICA'S INFRASTRUCTURE

SEARCH

★ HOME ★ REPORT CARDS ★ STATES ★ CATEGORIES ★ SOLUTIONS ★ TAKE ACTION ★ NEWSROOM ★

2009 Grades

Aviation	D
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Energy	D+
Hazardous Waste	D
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Rail	C-
Roads	D-
Schools	D
Solid Waste	C+
Transit	D
Wastewater	D-

America's Infrastructure GPA: **D**
Estimated 5 Year Investment
Need: **\$2.2 Trillion**

Win \$1,000

Enter Photo Contest

Get Involved

Blog: "Our Failing Infrastructure"
Join Our Facebook: "Save America's Infrastructure"
ASCE Member? Join the Key Contact Program
Tell a friend

It's Your State

What's the state of your State's infrastructure? Find out now

Key Solutions

ASCE offers five ambitious ways to raise the grades. Read them.

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2011 Vermont Report Card

1. **Transportation: Roads & Bridges**
2. **Environmental: Drinking Water**
3. **Environmental:
Wastewater/Stormwater**
4. **Environmental: Dams**

Release Event scheduled for August 2011

Maine's 2008 State Report Card



Report Card
 FOR MAINE'S
Infrastructure

Issued December 10, 2008

AREA	2008	Comments:
Contaminated Site Remediation	D+	Policies have been established in Maine to investigate, remediate, and redevelop sites where contamination poses a risk to the environment and human health, typically due to contamination of drinking water supplies. While programs are adequate, funding for state-led investigation and remediation of known contaminated sites is inadequate. More than \$41 million in additional funding is currently needed.
Dams	D+	Maine has over 1,000 registered dams of which 153 are classified as high or significant-hazard-potential. Almost half of Maine dams are the responsibility of private owners. Maine spends ¼ to ½ of what other Northern New England states spend per dam on inspection. Maine's Dam Safety Program is understaffed and has no enforcement division. Seventeen public high-hazard dams require over \$12 million in repairs.
		The overall health of the energy generation and transmission system in Maine is good, but reliability and

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Wastewater	D-	declined by 30% since 2004 and is scheduled to end entirely in 2011. Without adequate funding, wastewaters will increase and improvements to treating wastewater and protecting the environment will be deferred.
Schools (K-12)	C-	Capital funding needs for Maine schools exceed what is currently allocated through the two primary state funding programs. The state forecasts that during the period of 2005 to 2026, needed funding from existing and new bonds is approximately \$1.6 billion. Current funding levels result in a projected 20-year gap of \$600 million. Less than half of priority health and safety project requests have been funded over the past 6 years.
Solid Waste	C	Progress has been made, but Maine's solid waste policies are outdated. Planning must be based on realistic projections of generation rates and capacity. Maine's solid waste plan must address high waste generation rates (51% more than national average in 2005), an unmet recycling goal of 50 percent, advances in public policy and technology, and the time and multi-million dollar investment required to develop new capacity.
State Parks	B-	State parks are a key component of tourism, Maine's number one industry. The condition of the infrastructure of Maine's 47 state park facilities is stable and safe; however, additional investment would help greatly in providing the optimum level of service and gaining greater economic impact. A recent \$7.5 million bond provided some funding, though a backlog of \$30 to 40 million in needs remain.
Airports	B-	Overall, the condition of Maine's airport system is good. However airports face a funding challenge. The agencies continue to prioritize projects based on safety needs and then capacity enhancements. For 2007, just over \$25 million was allocated from federal funding. Based on today's funding levels, a minimum \$100

Vermont Data Collected

- National Dam Inventory
- Vermont Dam Inventory
- ASDSO State Budget Comparison

- Any Suggestions?