



ACQUISITION HOUR: BUSINESS DEVELOPMENT AND THE NEW ECONOMY CREATED BY AGING CRITICAL INFRASTRUCTURE

June 7, 2016

Presented by the Wisconsin Procurement Institute



**Providing expert technical
assistance to
FEDERAL, STATE and LOCAL
GOVERNMENT
Contractors
And Subcontractors**

**A Procurement Technical
Assistance Center (PTAC)
Serving the Wisconsin Business
Community**

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8 WAYS A SHUTDOWN WOULD DAMAGE HOMELAND SECURITY

UPCOMING EVENTS [→](#)

02/26/2015
FEDERAL PRIME CONTRACTOR GROUP MEETING
ST. FRANCIS (MILWAUKEE) »

03/03/2015
SMALL BUSINESS GOVERNMENT CONTRACTING
SERIES: SELLING TO THE DEPARTMENT OF VETERANS
AFFAIRS
WAUWATOSA »

03/04/2015
ACQUISITION HOUR: LEARNING ABOUT WAWF - IRAPT
WEBINAR »

03/09/2015
ENTERING THE GOVERNMENT MARKET - A PRIMER
RACINE »

03/11/2015
ACQUISITION HOUR: PREPARING FOR CSPR AUDIT
WEBINAR »

CURRENT OPPORTUNITIES (7) [→](#)

GET STARTED WITH THE BASICS

Questions & answers on how to get started.

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HAVE A QUESTION? WE'RE HERE TO HELP.

One of our staff of experts is available to answer your questions.

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- Government Market Strategy Development
- Training in use of Government websites and tools
- Assistance with System for Award Management (SAM) Registration
- Assisting in Market Research Process
- Development of Market Profile
- Small Business Subcontracting Plans–Development, Outreach and Reporting
- Small Group Training
- Outreach and training with Local, State and Federal agencies
- Assist with Pre and Post Award Functions
- Assistance with Agency Specific Contracting Requirements
- Assistance with Contracting Regulations and Requirements, including FAR, DFAR, CFR
- Assistance with GSA Schedule Preparation and Administration
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 - Service Disabled & Veteran Owned Small Business, HUBZone, Woman Owned Small Business, 8(a) Business Development Program
 - State
 - Local
 - DBE
- Bid Review and Submission Assistance
- Proposal and Assistance, Review and Submission Assistance
- Capabilities Statement and Related Government Marketing Material Development
- Assistance in Locating and Developing Teaming Partners and Subcontractors
- Updated Government Market Information

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Business Development in the age of Critical Infrastructure – key considerations

WPI Acquisition Hour - Webinar

Marc N. Violante

WISPRO

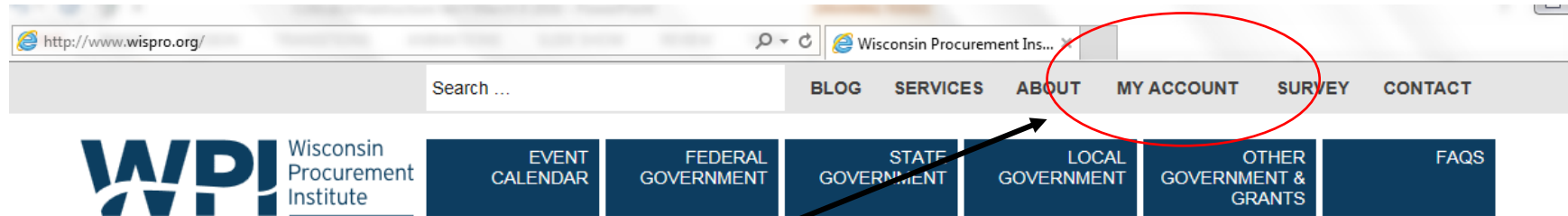


<https://www.dhs.gov/energy-sector>

Today's topics

- Accessing the presentation
- Critical Infrastructure – what is it
- How to stay current
- Resources
- Tools

Access this presentation & others



www.wispro.org

UPCOMING EVENTS

MARCH 9 2016
SOCIETY OF AMERICAN MILITARY ENGINEERS (SAME)
MIDWEST SMALL BUSINESS EXPO
NORTHBROOK, IL »

MARCH 15 2016
ACQUISITION HOUR - PROTEST IN FEDERAL
PROCUREMENT - AN OVERVIEW

MARCH 24 2016
GOVERNMENT CONTRACTING OPPORTUNITIES FOR
SMALL BUSINESS
LADYSMITH »

MARCH 29 2016
ACQUISITION HOUR - INTELLECTUAL PROPERTY AND
GOVERNMENT CONTRACTS

MARCH 30 2016
ACQUISITION HOUR - UPDATE IN THE HOUR WAGE
LABOR LAW

CURRENT OPPORTUNITIES (3)

Critical Infrastructure - defined

- There are 16 critical infrastructure sectors whose assets, systems, and networks, whether physical or virtual, are considered so vital to the United States that their incapacitation or destruction would have a debilitating effect on
 - Security
 - national economic security
 - national public health or safety
 - or any combination thereof

Critical Infrastructure Sectors
Chemical Sector
Commercial Facilities Sector
Communications Sector
Critical Manufacturing Sector
Dams Sector
Defense Industrial Base Sector
Emergency Services Sector
Energy Sector
Financial Services Sector
Food and Agriculture Sector
Government Facilities Sector
Healthcare and Public Health Sector
Information Technology Sector
Nuclear Reactors, Materials, and Waste Sector
Sector-Specific Agencies
Transportation Systems Sector
Water and Wastewater Systems Sector

Commercial Facilities Sector

- 20. *February 25, USA Today; Fond du Lac Reporter – (Wisconsin)*
Wayside Bar is total loss after fire. The Wayside Bar in Fond du Lac, Wisconsin was destroyed and left-uninhabitable following a February 24 fire which burned the two-story building. The fire was contained and no injuries were reported.
- Source:
<http://www.fdlreporter.com/story/news/2016/02/24/wayside-bar-total-loss-after-fire/80855420/>

*March 2, Agence France-Presse – (International) **NSA chief worries about cyber attack on US infrastructure.*** The U.S. National Security Agency chief warned March 1 that attackers may try to execute a cyberattack against U.S. infrastructure similar to a 2015 Ukrainian incident in which a computer virus caused the networks of several regional electricity companies to go offline, and caused power grid failures throughout the country. Officials reported that partnerships between the public and private sectors were key to preventing such attacks.

Source: <http://www.securityweek.com/nsa-chief-worries-about-cyber-attack-us-infrastructure>

US CyberCom is going to launch attacks ----

The US Cyber Command will conduct large-scale military exercises this week simulating cyber attacks against critical US infrastructure, and the war games will highlight the growing threat posed by foreign states capable of crippling the electrical grid and financial networks through digital attacks.

The exercise, known as Cyber Guard 16, is the latest annual war game involving scores of military personnel and civilians at the Fort Meade-based command. Other players will include officials from the Pentagon, FBI, Homeland Security Department, and private industry.

Pervasive threats

*June 2, Softpedia – (International) **Researchers find 5,275 login credentials for top 100 companies on the Dark Web.*** A U.K.-based security firm, Anomali reported that over 5,000 login credentials including email addresses, cleartext passwords, and usernames were posted online via the Dark Web, potentially allowing hackers to use the stolen information to access various sections of an Information Technology (IT) network owned by the top 100 international companies. The firm stated that the credentials were primarily from the oil and gas industry, pharmaceuticals, consumer goods, banking, telecommunications, and military sectors.

Source: <http://news.softpedia.com/news/researchers-find-5-275-login-credentials-for-top-100-companies-on-the-dark-web-504798.shtml>

<https://www.dhs.gov/sites/default/files/publications/dhs-daily-report-2016-06-06.pdf>

Critical Infrastructure – Key document

- **Presidential Policy Directive -- Critical Infrastructure Security and Resilience**
 - PRESIDENTIAL POLICY DIRECTIVE/PPD-21
 - Defines three strategic imperatives
 - 1) Refine and clarify functional relationships across the Federal Government to advance the national unity of effort to strengthen critical infrastructure security and resilience;
 - 2) Enable effective information exchange by identifying baseline data and systems requirements for the Federal Government; and
 - 3) Implement an integration and analysis function to inform planning and operations decisions regarding critical infrastructure.
 - Defines Sector Specific Agencies (SSA)
 - Designates 16 sectors of Critical Infrastructure

Additional documents

- Executive Order 13636
 - *Improving Critical Infrastructure Cybersecurity*, which directs the Federal Government to coordinate with critical infrastructure owners and operators to improve information sharing and collaboratively develop and implement risk-based approaches to cybersecurity.
- NIPP 2013
 - Describes activities to manage risks across the five national preparedness mission areas of –
 - prevention, protection, mitigation, response, recovery
 - the *National Plan* also aligns with the National Preparedness System called for in Presidential Policy Directive 8 (PPD-8), *National Preparedness*

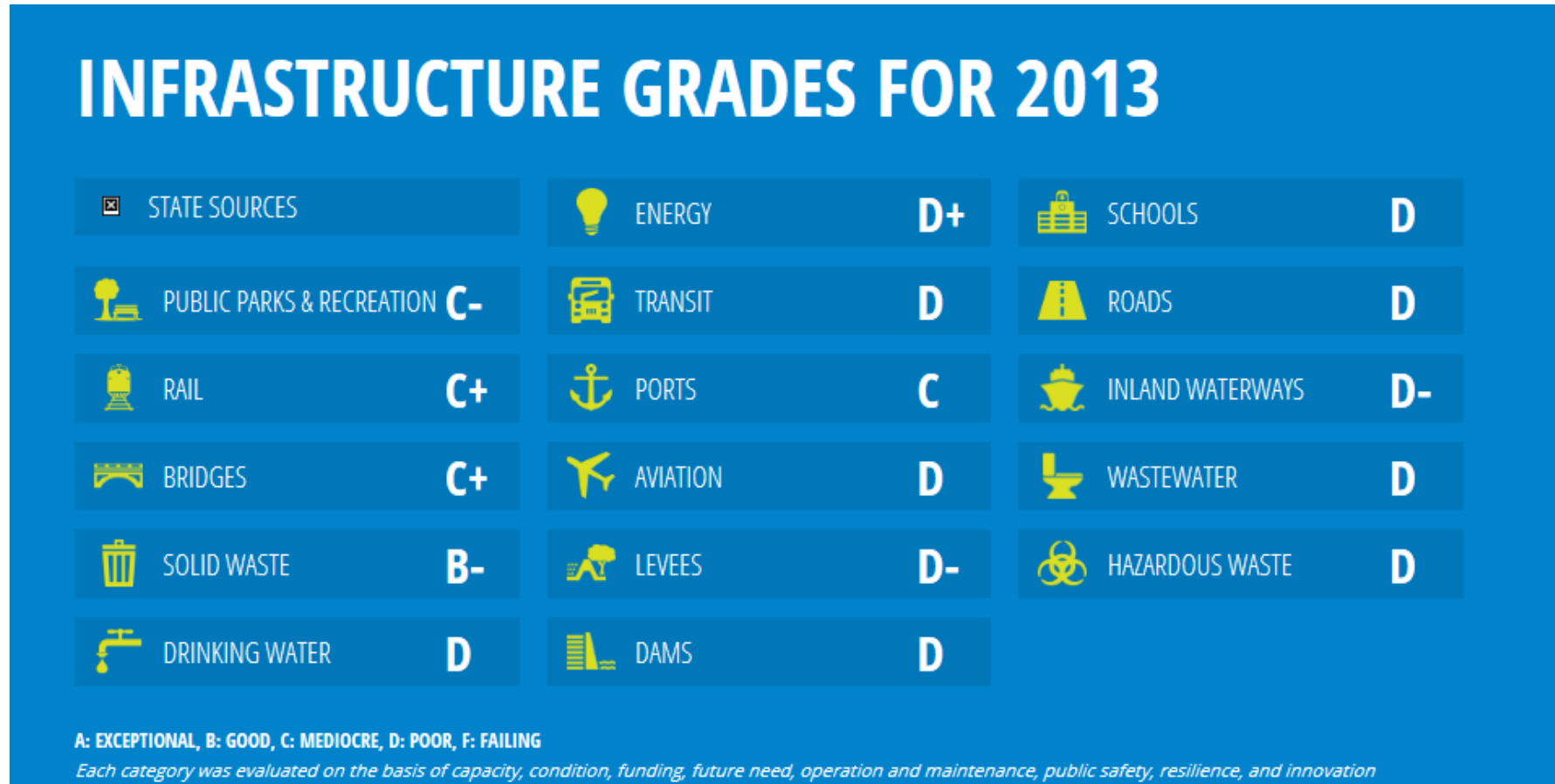
CI – common attributes

- Importance
- Widely dispersed
- Variety of ownership – public, quasi-government, private
- Large in number
- Interdependencies – apparent and non-apparent
- Age
- Potential impact

Critical Infrastructure – scale

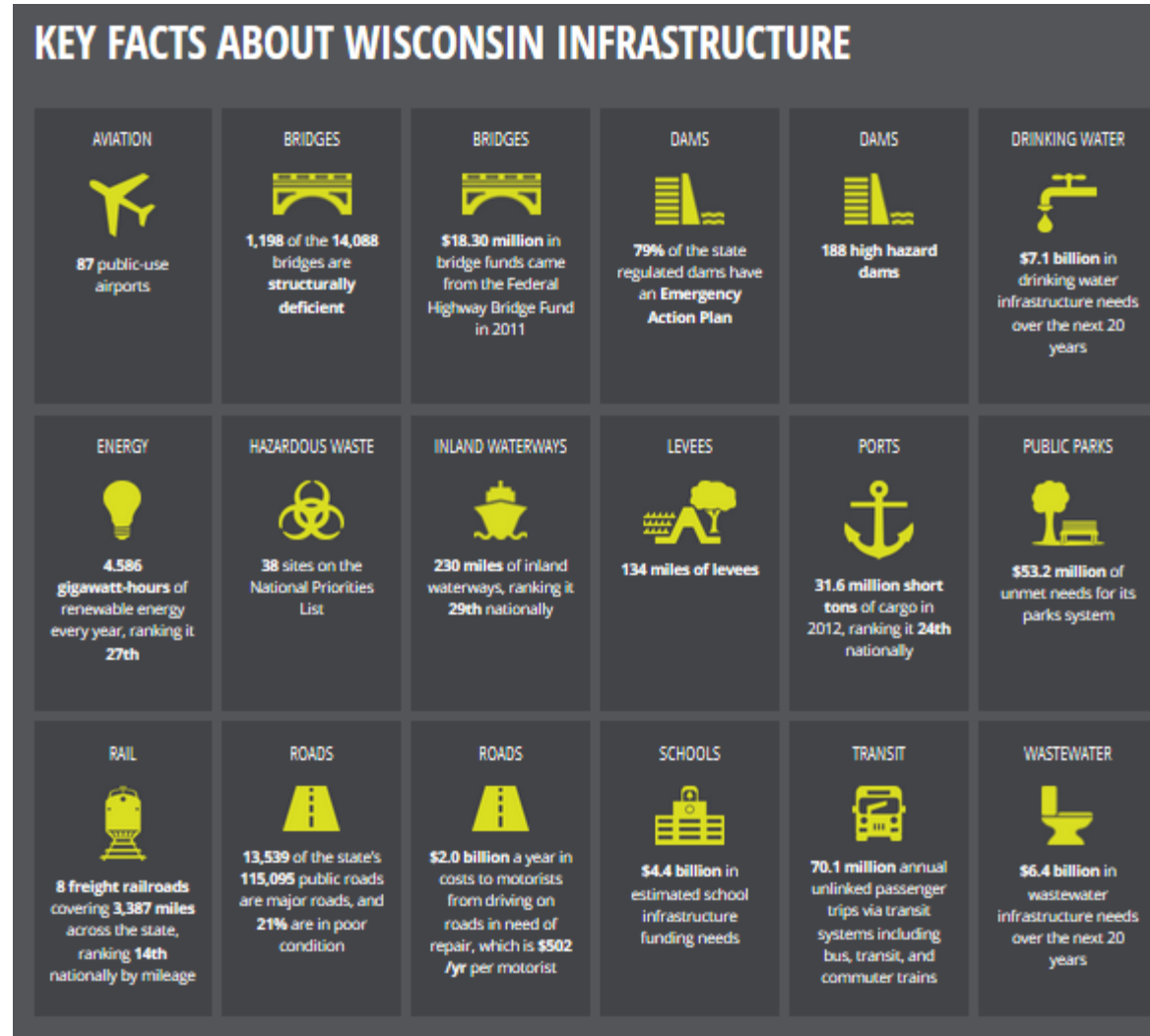
- Defense Industrial Base - > 100,000 companies & subcontractors
- U.S. Electricity Segment –
 - 6,413 power plants (this includes 3,273 traditional electric utilities and 1,738 nonutility power producers)
- DAMS > 87,000
- Water/Wastewater
 - There are approximately 160,000 public drinking water systems and more than 16,000 publicly owned wastewater treatment systems

How are we doing?



Copied from: <http://www.infrastructurereportcard.org/>

Wisconsin -



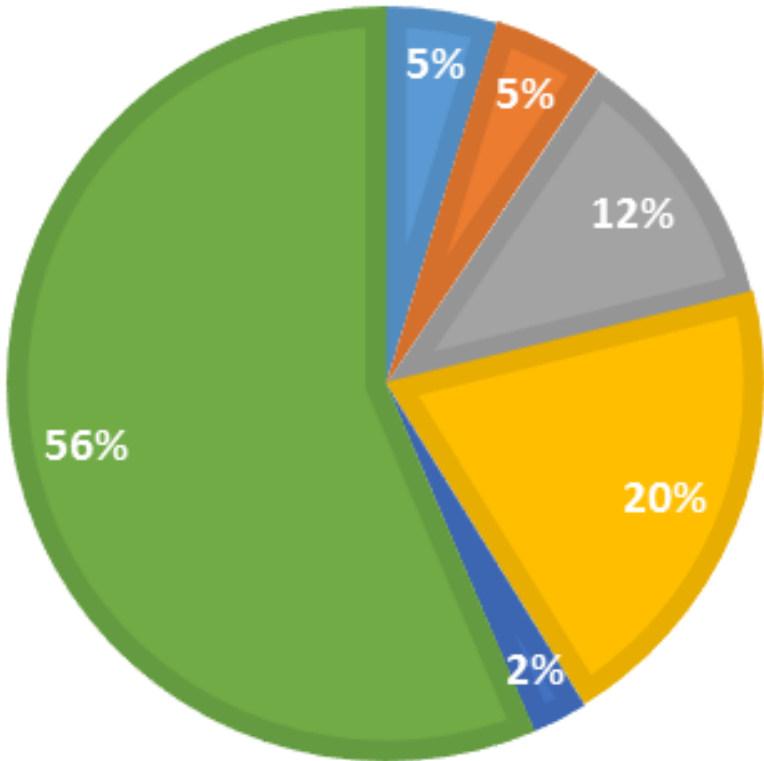
Game Changers



Copied from: <http://www.infrastructurereportcard.org/>

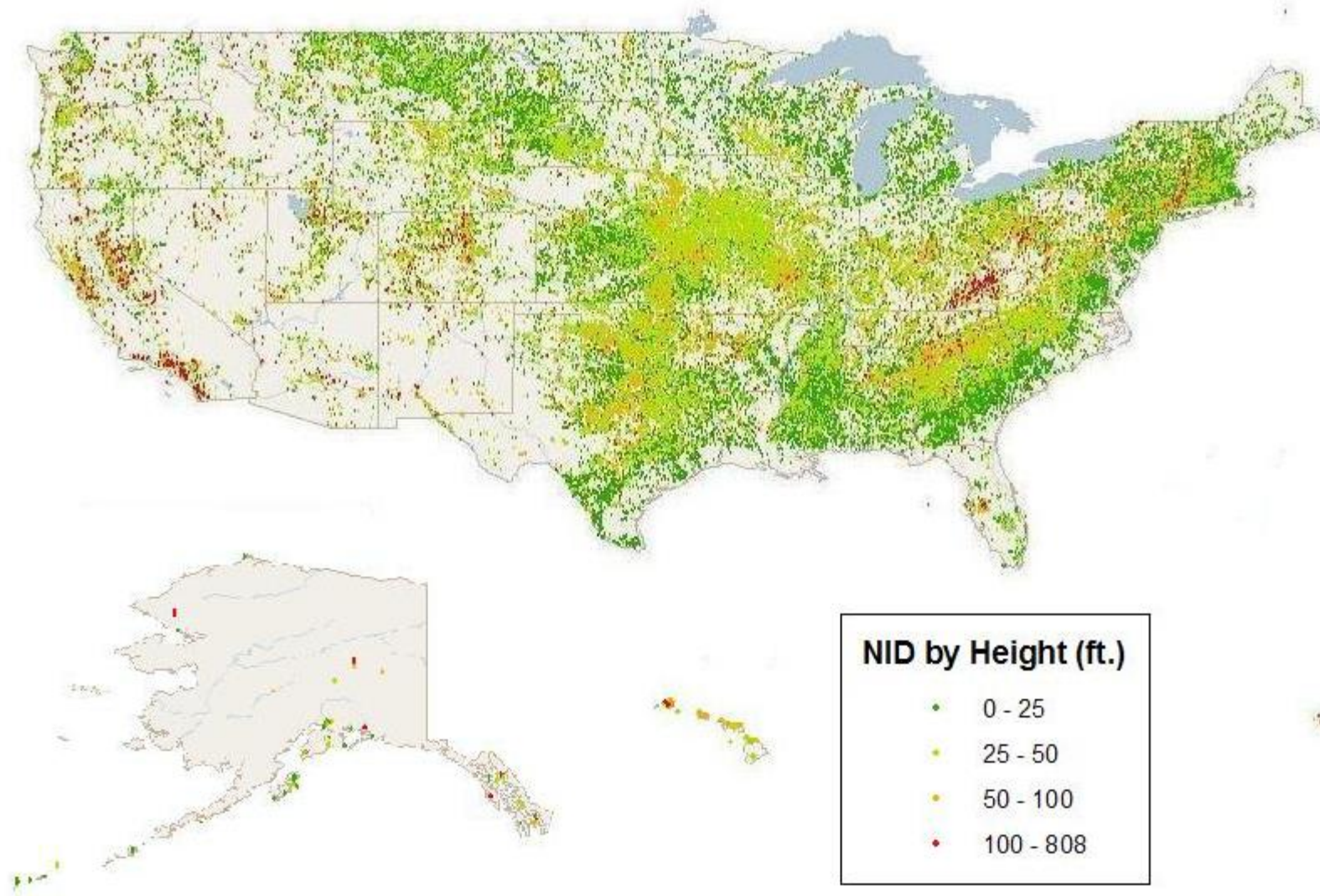
DAM OWNERSHIP IN THE U.S.

■ State ■ Federal ■ Undetermined ■ Local ■ Public Utility ■ Private

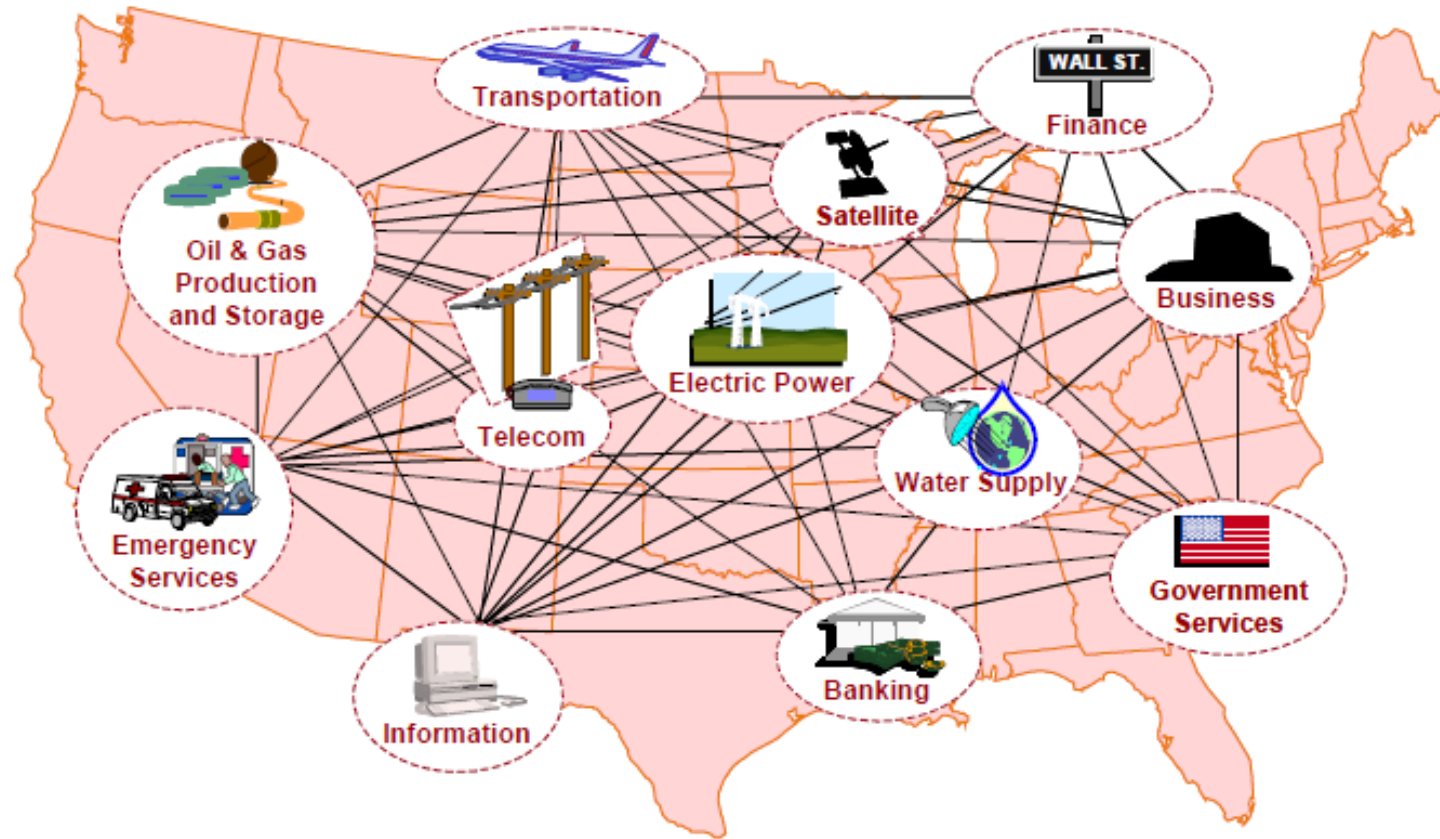


Data copied from: <https://www.fema.gov/dam-ownership-united-states>, visited March 6, 2016 – percentages are rounded

NID National Map



Interdependencies



Dams Sector interdependencies

- [Communications](#) - Communications networks enable remote Dams Sector operations and control.
- [Energy](#) - Hydropower dams provide critical electricity resources and blackstart capabilities.
- [Food and Agriculture](#) - Dams Sector assets provide water for irrigation and protect farmland from flooding.
- [Transportation Systems](#) - Navigation lock systems in the Dams Sector enable all inland and intracoastal waterway freight movements. Major roads may traverse dams.
- [Water](#) - Dams Sector assets provide drinking water supplies and pumping capabilities.

10. *June 2, U.S. Food and Drug Administration* – (National) **Additional Quaker Quinoa Granola Bars recalled as a result of expanded sunflower kernel contamination by SunOpta.** The Quaker Oats Company issued a voluntary recall June 2 for all of its Quaker Quinoa Granola Bars Chocolate Nut Medley products and its Quaker Quinoa Granola Bars Yogurt, Fruit & Nut products due to a possible *Listeria monocytogenes* contamination after the company's sunflower kernel supplier, SunOpta Inc., discovered further *Listeria* contamination in the kernels it provided. The products were distributed nationwide.

Source: <http://www.fda.gov/Safety/Recalls/ucm504754.htm>

Interdependencies

11. *June 2, U.S. Food and Drug Administration* – (International) **Further expanded recall period of certain sunflower kernel products due to possible contamination by *Listeria monocytogenes*.** SunOpta Inc. expanded a previous recall June 1 for select sunflower kernel products sold in eight variations due to a potential *Listeria monocytogenes* contamination. There have been no confirmed reports of adverse reactions and the products were shipped to distribution centers in 25 States and Canada.

Source: <http://www.fda.gov/Safety/Recalls/ucm504808.htm>

12. *June 2, U.S. Food and Drug Administration* – (Indiana; Kentucky; Ohio) **Urgent recall of Jungle Jim's Roast No Salt Sunflower Seeds, Windy Acres Fruity Trail Mix & Windy Acres No Salt Sunflower Seeds due to potential presence of *Listeria monocytogenes*.** Windy Acres Candy & Nut Company issued a voluntary recall June 2 for its Jungle Jim's Roast No Salt Sunflower Seeds products, Windy Acres Fruity Trail Mix products, and Windy Acres No Salt Sunflower Seeds products under advisement from its supplier, SunOpta Inc., due to a potential *Listeria monocytogenes*

News Release-

USDA invests in critical dam rehabilitation and assessment projects in 23 States

- **WASHINGTON, April 9, 2015** – Agriculture Secretary Tom Vilsack announced today \$73 million to be invested this year to rehabilitate and assess dams across the nation to ensure this critical infrastructure is protecting Americans from harm, securing public health and expanding water supplies in drought affected areas. About 150 projects and assessments in 23 states will be funded.

Identify the “drivers”

May 24, Grand Forks Herald – (North Dakota) **Third leg of Sacagawea pipeline approved, will be largest pipeline out of the Bakken.** The North Dakota Public Service Commission granted a route permit May 24 for Sacagawea Pipeline Co., for a 15-mile, \$22.8 million pipeline in McKenzie County that will provide a link across Lake Sakakawea to the \$3.8 billion Dakota Access pipeline. Commissioners also approved 15 route changes requested by Dakota Access LLC in four of the seven counties that the pipeline will cross in the State.

Source: <http://www.grandforksherald.com/news/business/4039888-third-leg-sacagawea-pipeline-approved-will-be-largest-pipeline-out-bakken>

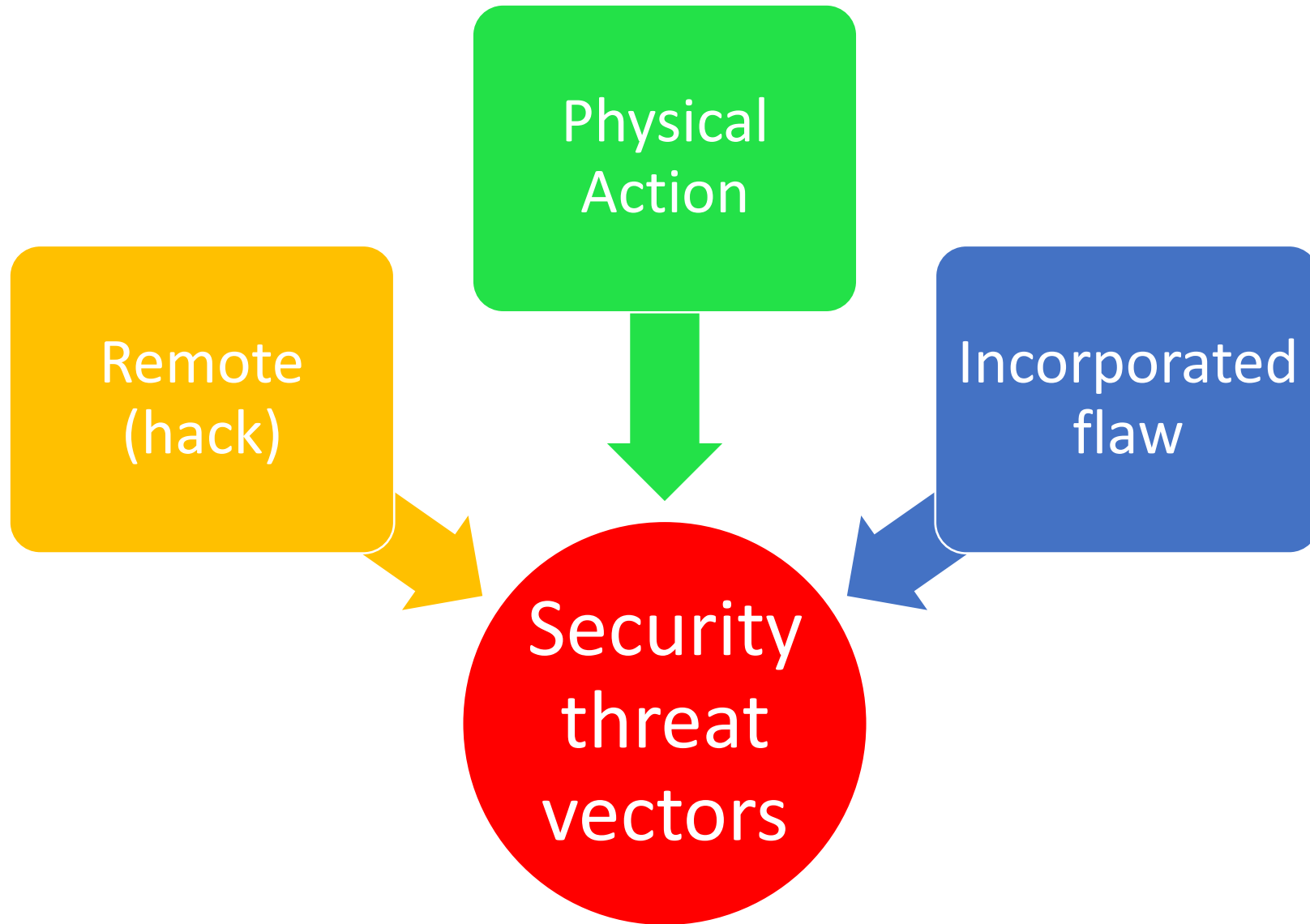
Opportunities – by age, materials, other

21. *June 5, Naples Daily News* – (Florida) **Collier water utility's \$1.4M project to include 10K feet of asbestos pipes in East Naples.** Water officials in Collier County, Florida, announced June 5 that they will dig up and replace more than 10,000 feet of aging, asbestos containing water pipes by 2017 as part of a \$1.4 million project to remove 75 percent of the county's asbestos containing pipes. The project is scheduled to take up to 10 years, and is estimated to cost between \$30 million and \$50 million. Source: <http://www.naplesnews.com/news/local/collier-water-utilitys-14m-project-to-include-10k-feet-of-asbestos-pipes-in-east-naples-3465a20c-0e4-381900131.html>

Indicators of opportunity – what's related

June 2, Decatur Daily – (Alabama) **West Morgan-East Lawrence water system warns customers not to drink the water.** The general manager of the West Morgan-East Lawrence Water and Sewer Authority advised 10,000 customers June 2 to avoid drinking or cooking with water from the system because it contains unsafe levels of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic (PFOS). The authority will build a \$4 million temporary system by September to filter the chemicals out of the water, and is planning to build a permanent system by 2019.

Source: http://www.decaturdaily.com/news/west-morgan-east-lawrence-water-system-warns-customers-not-to/article_1bccf173-15e3-5c99-b1ce-642d8bd0e0a1.html#comments



Key element – regarding critical infrastructure

...whether physical or virtual, are considered so vital to the United States that their incapacitation or destruction would have a debilitating effect on

- Security
- national economic security
- national public health or safety
- or any combination thereof

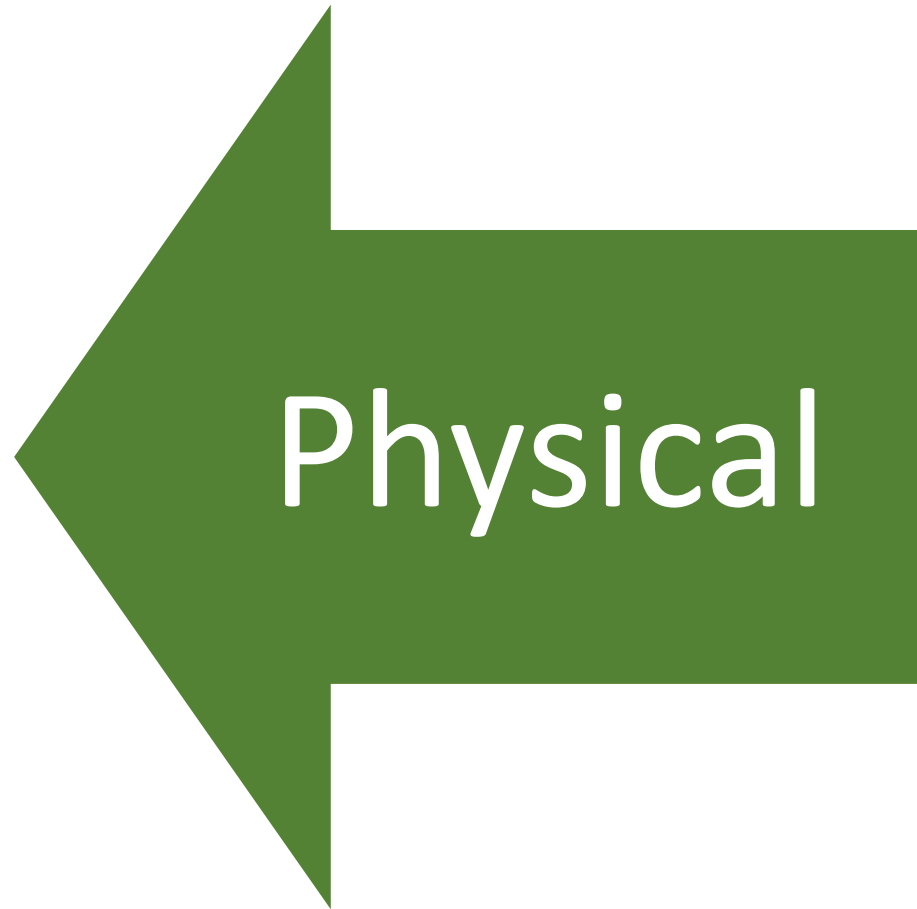
Resilience - defined

- The term "resilience" refers to --
 - The ability to adapt to changing conditions and
 - withstand and rapidly recover from disruption due to emergencies.
- Whether it is resilience towards acts of terrorism, cyber attacks, pandemics, and catastrophic natural disasters, our national preparedness is the shared responsibility of all levels of government, the private and nonprofit sectors, and individual citizens.

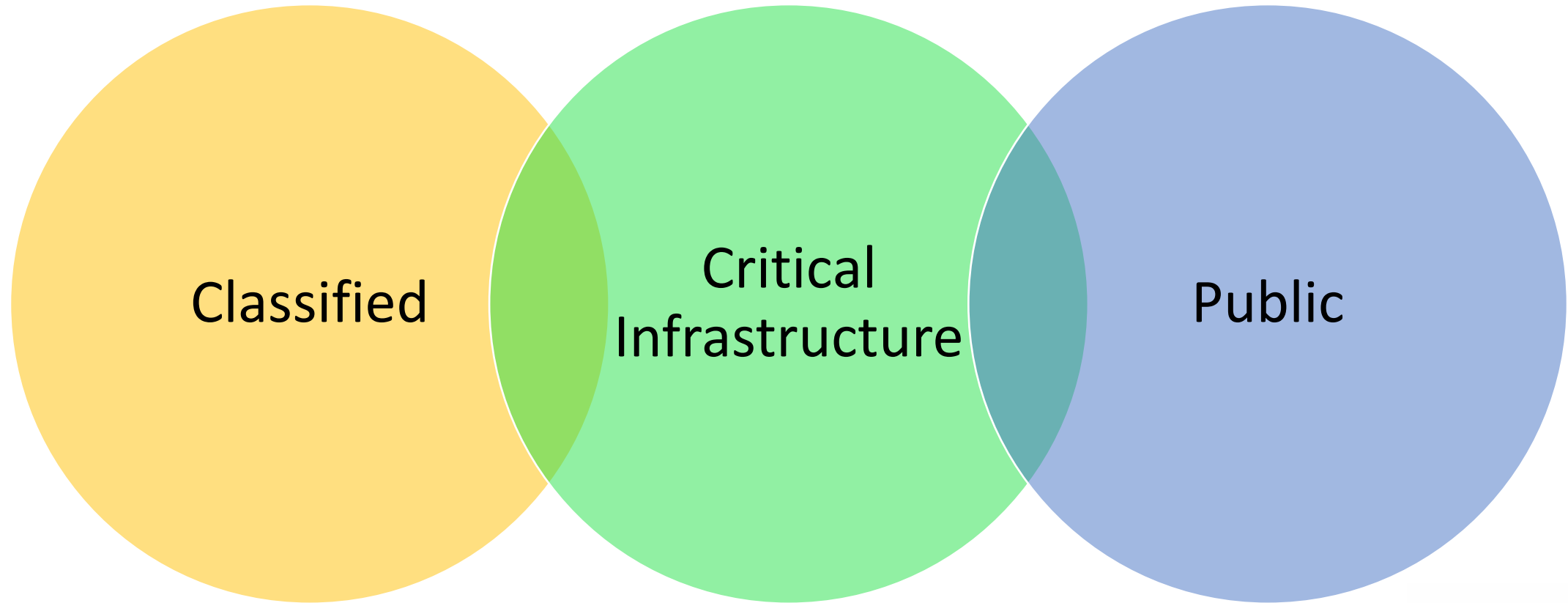
Foundations of Resilience

- The United States officially recognized resilience in national doctrine in the 2010 [National Security Strategy](#), which states that we must enhance our resilience—the ability to adapt to changing conditions and prepare for, withstand, and rapidly recover from disruption.
- The U.S. Department of Homeland Security also recognized resilience in the 2014 [Quadrennial Homeland Security Review](#), which established a series of goals and objectives in the areas of critical infrastructure, global movement and supply chain systems, and cyberspace. Further, one of the five QHSR missions is devoted to resilience: Mission 5 – Strengthening National Preparedness and Resilience.
- In 2011, FEMA announced the release of the country's first-ever [National Preparedness Goal](#). Required by [PPD-8](#), the Goal sets the vision for nationwide preparedness and identifies the core capabilities and targets necessary to achieve preparedness across the following five mission areas: prevention, protection, mitigation, response and recovery.

Critical Infrastructure



CI – Not classified / Not totally public



Critical Information



Trade Secrets –
proprietary
information



FOIA/Open
Record request



CI - Information

- Private firms withholding information from government
 - Stops – FOIA / Open Record requests
- Harms, delays
 - Planning
 - Response
- Virginia looking to change law to exclude CI from release
- Federal Level – CI

Protected Critical Infrastructure Information (PCII)

- Information deemed to be sensitive and required protection
 - Release on a Need to Know basis
 - Must apply for status
 - Complete required training
 - Become certified
-
- <https://www.dhs.gov/receive-pcii-authorized-user-training>

Technical Data

- Distribution restrictions
- Impact on –
 - Purchasing
 - Subcontractors
 - Field operations
- Copies
 - Allowed?
 - Number
 - Tracking
 - End of project accounting/destruction



Image copied from: www.va.gov - OSD/BU

Purchasing

- Whose procurement regulations?
 - Federal – State – Local – Other
- May have restrictions on technical data
 - May be closer to other non-public types of data
 - May require increased vetting
 - May limit available sources
 - May increase delivery time
 - May increase cost
 - May require “cradle to grave” tracking
 - May require 100% inspection

Purchase Order

Other considerations

- Learn the language
 - Acronyms
 - Applicable laws
- Learn the players
- Develop a Business Continuity Plan
- Quality/testing
- Surety considerations
 - Does anything change in their evaluation/determination
- Warranty – Warranties

Staying Current

- Public Private Partnerships
- DoD's Defense Industrial Base (DIB) Cybersecurity and Information Assurance (CS/IA) Program
- Infragard
- DHS – Daily Open Source
- Ice-cert – periodic update
- FIRST – www.first.org
- Google alerts

DoD's Defense Industrial Base (DIB) Cybersecurity and Information Assurance (CS/IA) Program

- Part 236, "Department of Defense (DoD)-Defense Industrial Base (DIB) Voluntary Cyber Security and Information Assurance (CS/IA) Activities" of title 32, Code of Federal Regulations (CFR),
- DoD shares
 - unclassified and classified cyber threat information
 - IA best practices and related information, with participating DIB companies.
- In addition, relationships are established with company senior officials (e.g., Chief Information Officer (CIO), Chief Information Security Officer (CISO), etc) and their respective staffs. Your company's Chief/Facility Security Officer(s) also will be involved since DoD shares classified under the program.
- Eligibility

Have or acquire DoD-approved medium assurance External Certificate Authority (ECA) certificates.

Have an existing active Facility Security Clearance (FCL) granted under the National Industrial Security Program Operating Manual (NISPOM) (see DoD 5220.22-M) with approved safeguarding for at least Secret information

Have or acquire a Communication Security (COMSEC) account in accordance with the NISPOM, Chapter 9, Section 4.

Obtain access to DoD's secure voice and data transmission system supporting the DIB CS/IA program.

Own or operate an unclassified information system that processes, stores, or transmits DoD information.

Execute the standardized Framework Agreement (FA), which implements the requirements set forth in part 236, title 32 CFR, sections 236.4 through 236.6.

InfraGard

The screenshot shows the InfraGard website homepage. At the top left is the InfraGard logo with the tagline "Partnership for Protection". To the right is a login form with fields for "Username:" and "Password:", a green "Log in" button, and links for "Forgot User Name?" and "Forgot Password?". Below the login form is a navigation menu with links: "Home", "In the News", "Chapters", "Events", "Join Today!", and "Contact Us". The main content area features a large banner for "CYBER 2026" titled "InfraGard San Diego's 2nd Annual Cyber Futurist Symposium" on "MARCH 24, 2016" at "Qualcomm's Irwin Jacobs Hall" from "TIME_ 0800 - 1200" for a "COST_ \$10 USD". The banner includes logos for the FBI, the Department of Homeland Security, and the University of San Diego. To the right of the banner is an "About InfraGard" section with text: "InfraGard is a partnership between the FBI and the private sector. It is an association of persons who represent businesses, academic institutions, state and local law enforcement agencies, and other participants dedicated to sharing information and intelligence to prevent hostile acts against the U.S." Below this text is an "Apply Online" button. At the bottom of the page are three links: "16 Critical Infrastructures", "Find a Chapter Near You", and "FBI News Feeds".

InfraGard is a partnership between the [FBI](#) and the private sector. It is an association of persons who represent businesses, academic institutions, state and local law enforcement agencies, and other participants dedicated to sharing information and intelligence to prevent hostile acts against the U.S.

Source: www.infragard.gov

Daily Open Source Infrastructure Report



Homeland
Security

Daily Open Source Infrastructure Report 09 March 2016

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Google Alerts

Google Alerts

critical infrastructure
Daily update · March 8, 2016

NEWS

[Cyber security review still in early days, Public Security officials tell Senate](#)
Toronto Star
OTTAWA—Public Safety officials say they're still trying to figure out the scope of a review into protecting **critical infrastructure** from cyber attacks.
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[New Investment Model for Green Infrastructure to Help Protect Chesapeake Bay](#)
The Nature Conservancy
"District Stormwater takes an innovative approach to improving **critical** environmental **infrastructure** in our nation's capital and is a model for ...
   [Flag as irrelevant](#)

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<https://www.google.com/alerts> ▾ Google ▾

Alerts. Monitor the web for interesting new content Alert suggestions. Automobiles. google.com. Porsche 911. caranddriver.com. Ford F-150. nissanusa.com.

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Sector Specific Agency – duties/responsibilities

- Each of these critical infrastructure sectors has unique characteristics, operating models, and risk profiles. As such, each SSA leverages their particular knowledge and expertise to:
- Coordinate and collaborate with DHS and other relevant Federal departments and agencies, with critical infrastructure owners and operators, where appropriate with independent regulatory agencies, and with SLTT entities, as appropriate, to implement PPD-21.
- Serve as a day-to-day Federal interface for the dynamic prioritization, collaboration, and coordination of sector-specific activities.
- Carry out incident management responsibilities consistent with statutory authority and other appropriate policies, directives, or regulations.
- Provide, support, or facilitate technical assistance and consultations for that sector to identify vulnerabilities and help mitigate incidents, as appropriate.
- Support the Secretary of Homeland Security's statutory reporting requirements by providing, on an annual basis, sector-specific critical infrastructure information.

P-P-P --- Public Private Partnerships

- Companies do not possess the
 - Intelligence
 - Expertise
 - Resources
- The partnerships allow for
 - Exchange vital information
 - Resources
 - Expertise
 - Create risk management plans
 - Conduct response drills

“Government agencies possess unique core competencies that complement private-sector strengths”

Ken Watson, manager of the Critical Infrastructure Assurance Group for Cisco

Tips on managing Public-private partnerships

- Meet you public-sector counterparts face to face
- Attend government forums and briefing
- Get involved in legislative reform
- Maintain information security contact in all the countries in which you operate
- Participate in your industry ISAC (Information Sharing and Analysis Center)
- Join FIRST (Forum for Incident Response and Security Team, www.first.org)

http://www.cisco.com/c/dam/en_us/about/security/cspo/docs/ProtectingCriticalInfrastructure.pdf

Business Continuity Plan

- Identify critical functions
 - Redundancy
 - Training
 - Current information
 - Appropriate/acceptable authorization in place
- Identify critical vendors
- Succession planning
- Continuing if there is not access to computers/internet
- Bitcoin account – separate computer

Engineering Considerations

- Points of vulnerability
- New materials
- Experience

Staying Current / Identification

- Resources
 - ASCE – report card
 - Census – populations
 - Bureau of Economic Activity
 - Other web sites
 - Google - alerts

ASCE Report Card

The screenshot shows the top portion of the ASCE Report Card website. At the top left, the text reads "2013 REPORT CARD FOR AMERICA'S INFRASTRUCTURE". To the right is the ASCE logo with the tagline "AMERICAN SOCIETY OF CIVIL ENGINEERS" and social media icons for Facebook and Twitter. Below this is a yellow navigation bar with the following menu items: OVERVIEW, ECONOMIC IMPACT, NATIONAL GRADES, STATES, NEWS, TAKE ACTION, and CONTACT. A search icon is located on the far right of the navigation bar.

The main content area features a large blue heading: "INFRASTRUCTURE IS AMERICA'S BACKBONE". Below this heading is a paragraph: "Your local water pipes and the Hoover Dam, the power lines connected to your house and the electrical grid spanning the U.S., your street and the national highway system - they need your help." Underneath the paragraph is a blue button that says "LAUNCH THE REPORT CARD TO FIND OUT WHY".

The content is supported by several images: a water treatment facility, a city skyline, a highway with traffic, a power substation, and a bridge. A prominent blue box contains the text "AMERICA'S G.P.A. D+" and "ESTIMATED INVESTMENT NEEDED BY 2020: \$3.6 TRILLION".

At the bottom of the screenshot, a dark banner contains the text: "EVERY FAMILY, EVERY COMMUNITY, AND EVERY BUSINESS NEEDS INFRASTRUCTURE TO THRIVE." A small URL "ructurereportcard.org/a/#p/home" is visible in the bottom left corner of the banner.

Copied from: <http://www.infrastructurereportcard.org/>

Integrating Resilience into Building Infrastructure Design

- Owners Performance Requirement Tool (OPR) - Web-based tool
- allows owners to analyze a range of high-performance requirements (safety, security, energy conservation and renewal, environmental sustainability, durability, continuity of operations, and cost benefit) to meet their business case/model or mission.
- It helps owners
 - evaluate the effects of changing goals
 - select the optimal envelope performance objectives for their proposed building.

OPR Tool features

- Owners can set requirements
- View results
- Understand interactions and cost
- Develop an analysis-based plan for the design team.
- The tool is available for use at www.oprtool.org. Previews can be found at: oprtool.org/demo
- If you would like a copy of Aging Infrastructure: Issues, Research and Technology, please contact bips@dhs.gov.

High Performance and Integrated Design Resilience Program

- Created in 2009 – to improve the security and resilience of our nation's buildings and infrastructure
- overall goal is to better prepare buildings and infrastructure to recover from manmade and natural disaster events such as explosive blasts; chemical, biological, and radiological (CBR) agents; floods; hurricanes; earthquakes, and fires.
- Resources –
 - [Building and Infrastructure Protection Series Publications and Tools](#)
 - [High Performance Resilience Program Databases and Tools](#)
 - [Building and Infrastructure Protection Series Workshops](#)
 - [High Protection Resilience Program Flyers](#)

Building and Infrastructure Protection Series Publications and Tools

- BIPS 01 - [Aging Infrastructure: Issues, Research, and Technology](#)
- BIPS 02 - [Integrated Rapid Visual Screening Series \(IRVS\) for Mass Transit Stations](#) (Manual and Software)
- BIPS 03 - [Integrated Rapid Visual Screening Series \(IRVS\) for Tunnels](#) (Manual and Software)
- BIPS 04 - [Integrated Rapid Visual Screening Series \(IRVS\) for Buildings](#) (Manual and Software)
- BIPS 05 - [Preventing Structures from Collapsing](#) (Manual and UBT Demo)
- BIPS 06/FEMA 426 - [Reference Manual to Mitigate Potential Terrorist Attacks against Buildings, 2nd Edition](#)
- BIPS 07 - [Primer to Design Safe School Projects in Case of Terrorist Attacks and School Shootings, 2nd Edition](#)
- BIPS 08 - [Field Guide for Building Stabilization and Shoring Techniques](#)
- BIPS 09 - [Urban Blast Tool](#)
- BIPS 10 - [High Performance Based Design for the Building Enclosure](#)

High Performance and Integrated Design Resilience (HP&IDR) Program

- developed a number of tools to provide guidance on building and infrastructure high-performance design and protection, risk assessment, and mitigation against multi-hazard events.
 - [Owners Performance Requirements \(OPR\) Tool](#)
 - [Urban Blast Tool \(UBT\)](#)
 - [Security Information and Technology Exchange Database \(SITE\)](#)
 - [Advanced and High Performance Materials Database \(AMD\)](#)

Building and Infrastructure Protection Series Workshops

- intended audience for these publications includes architects and engineers working for private institutions, building owners/operators/managers, and state and local government officials
 - [Designing for a Resilient America](#)
 - [Ultra High Performance Concrete Roadmap to Commercialization](#)
 - [Aging Infrastructures Workshop Proceedings](#)
 - [Stabilization of Buildings Workshop Proceedings](#)
 - [Security, Energy, and Environmental \(SEE\) Summit Proceedings](#)
 - [Monitoring and Sensing of Near-Collapse Buildings Workshop](#)
 - [Near-Collapse Buildings Workshop for Emergency Management Personnel](#)

Upcoming WPI Events

- ***Acquisition Hour Live Webinar Series - Tuesdays and Wednesdays including:***
 - Acquisition Hour – ALIGNING CORPORATE IT PRACTICES TO MEET THE STANDARDS OF THE NEW FEDERAL CYBERSECURITY REQUIREMENTS : June 28th – 1.00pm-2.00pm*
 - Acquisition Hour –WHAT’S UP WITH FEDERAL GOVERNMENT END OF YEAR SPENDING FOR 2016? : June 29th – Noon – 1.00pm*
 - Acquisition Hour – MARKET RESEARCH – USING THE FEDERAL PROCUREMENT DATA SYSTEMS (FPDS) – PART 1 : July 13th - Noon – 1.00pm*
 - Acquisition Hour – MARKET RESEARCH – USING THE FEDERAL PROCUREMENT DATA SYSTEMS (FPDS) – PART 2 : July 17th - Noon – 1.00pm*

Upcoming WPI Events

- **10th Annual Volk Field Small Business Conference** – *June 15-16, 2016 – Camp Douglas, WI*
- **GOVERNMENT GRANT OPPORTUNITIES**– *June 15, 2016 – Camp Douglas, WI*

QUESTIONS???

Continuing Professional Education



CPE Certificate available, please contact:

Benjamin Blanc

benjaminb@wispro.org





For Assistance or Additional Information - Contact

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