



The Promises and Pitfalls of Public-Private Sector Cooperation in Cybersecurity

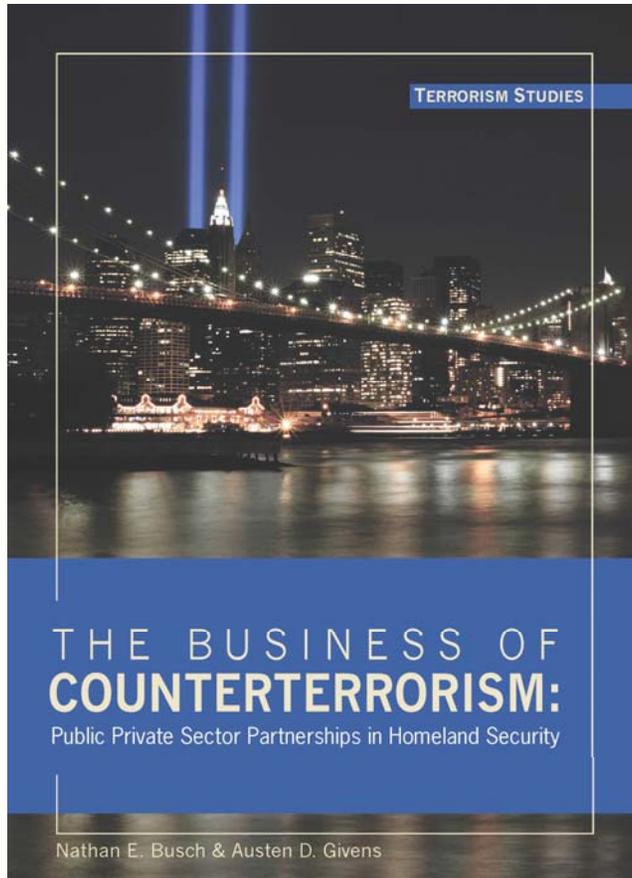
Austen D. Givens
Assistant Professor of Cybersecurity



The argument

The promises and pitfalls of public-private sector cooperation across the homeland security field are equally apparent in the specific context of the cybersecurity domain.

The Business of Counterterrorism



“This is a must-read for Congressional leaders, business executives, and academics who are concerned about the future safety of our nation.”

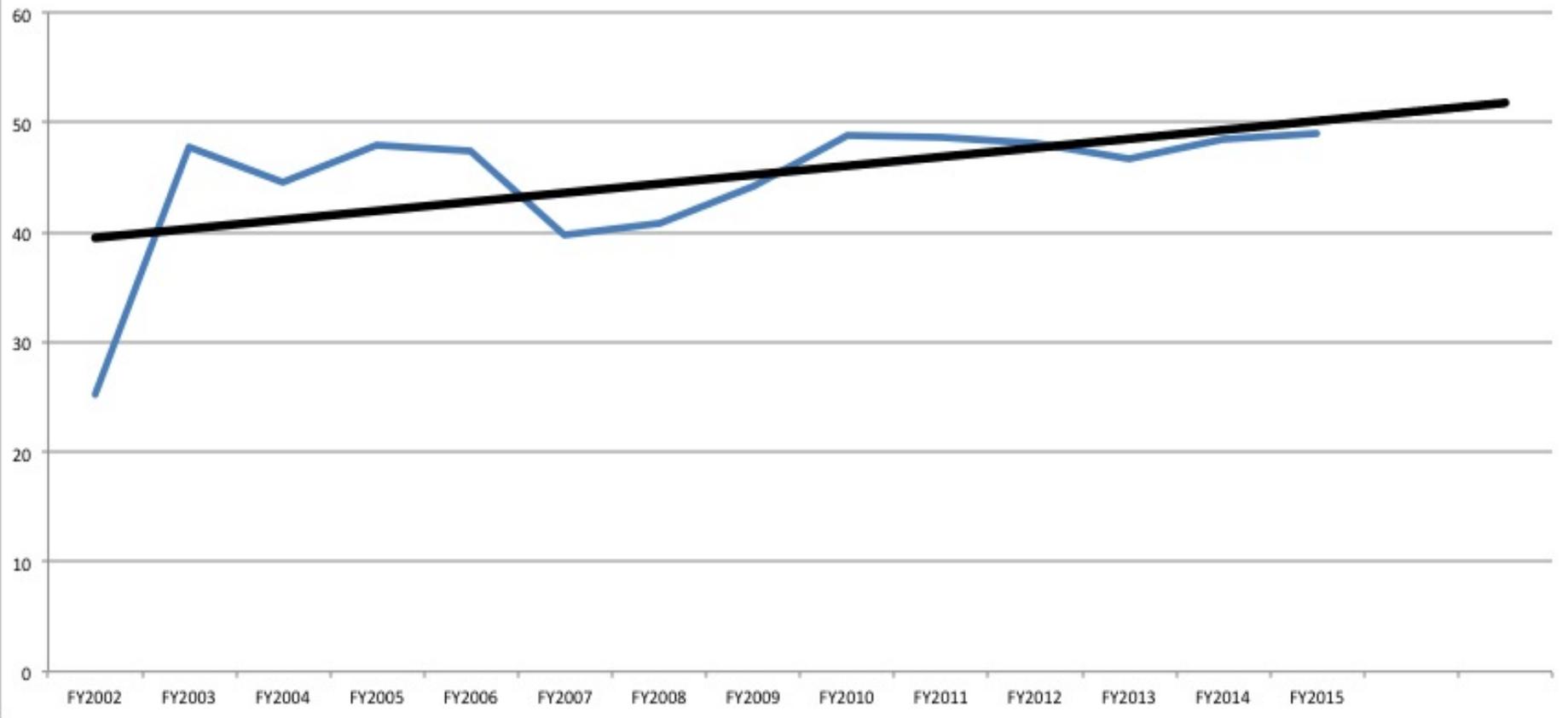
-**Hon. Tom Ridge**, President and CEO, Ridge Global LLC; former Secretary of Homeland Security; former Governor of Pennsylvania

“Authors Nathan E. Busch and Austen D. Givens skillfully evaluate homeland security challenges and describe outcome-focused opportunities, backed by well-researched case studies and accounts of hard-learned lessons.”

-**William J. Bratton**, Commissioner, New York Police Department

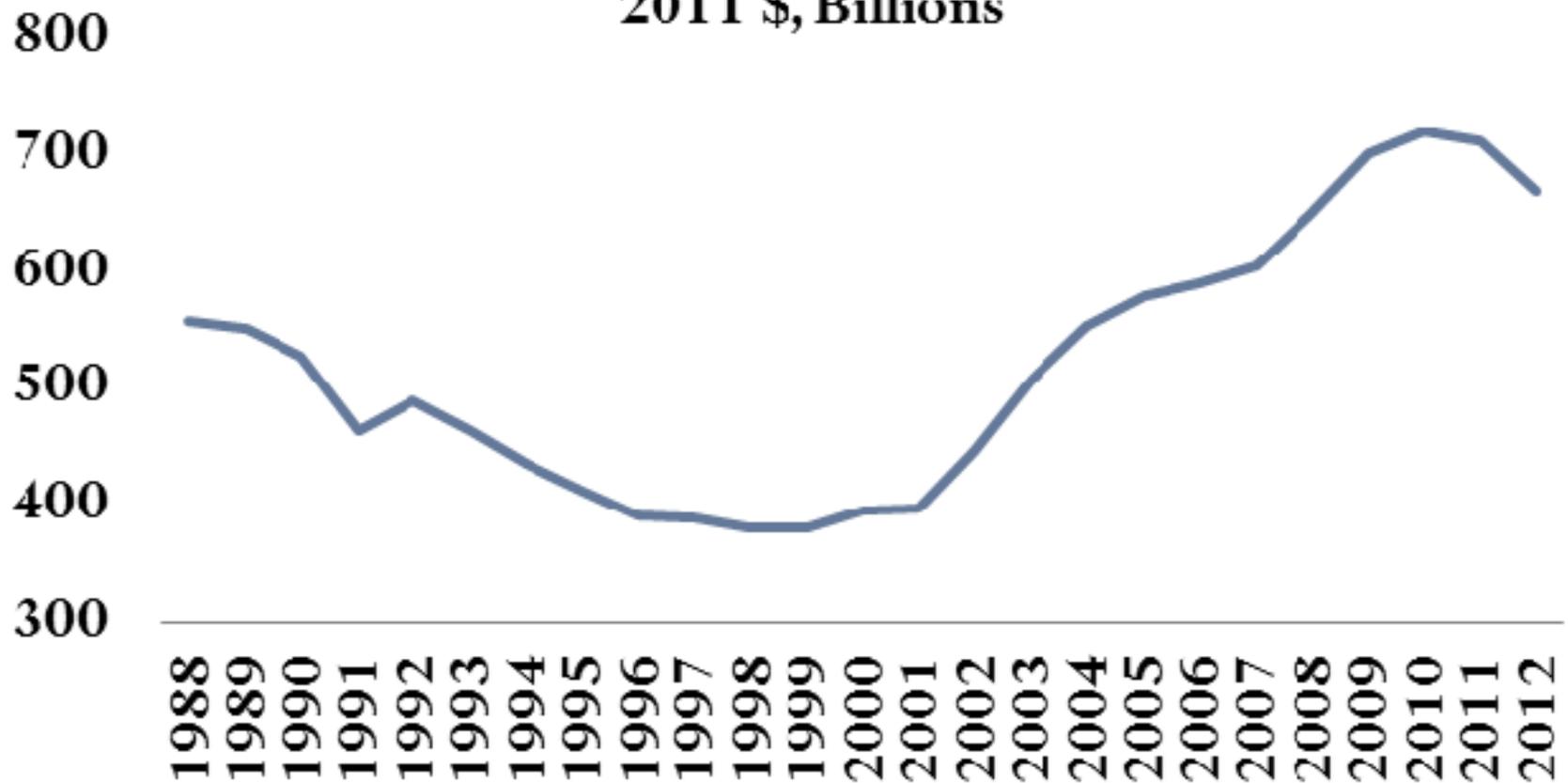


DHS Budget Growth, 2002–2015
Inflation Adjusted to 2013 \$, Billions



U.S. Military Spending

2011 \$, Billions



Data source: SIPRI

cfr.org/cgs

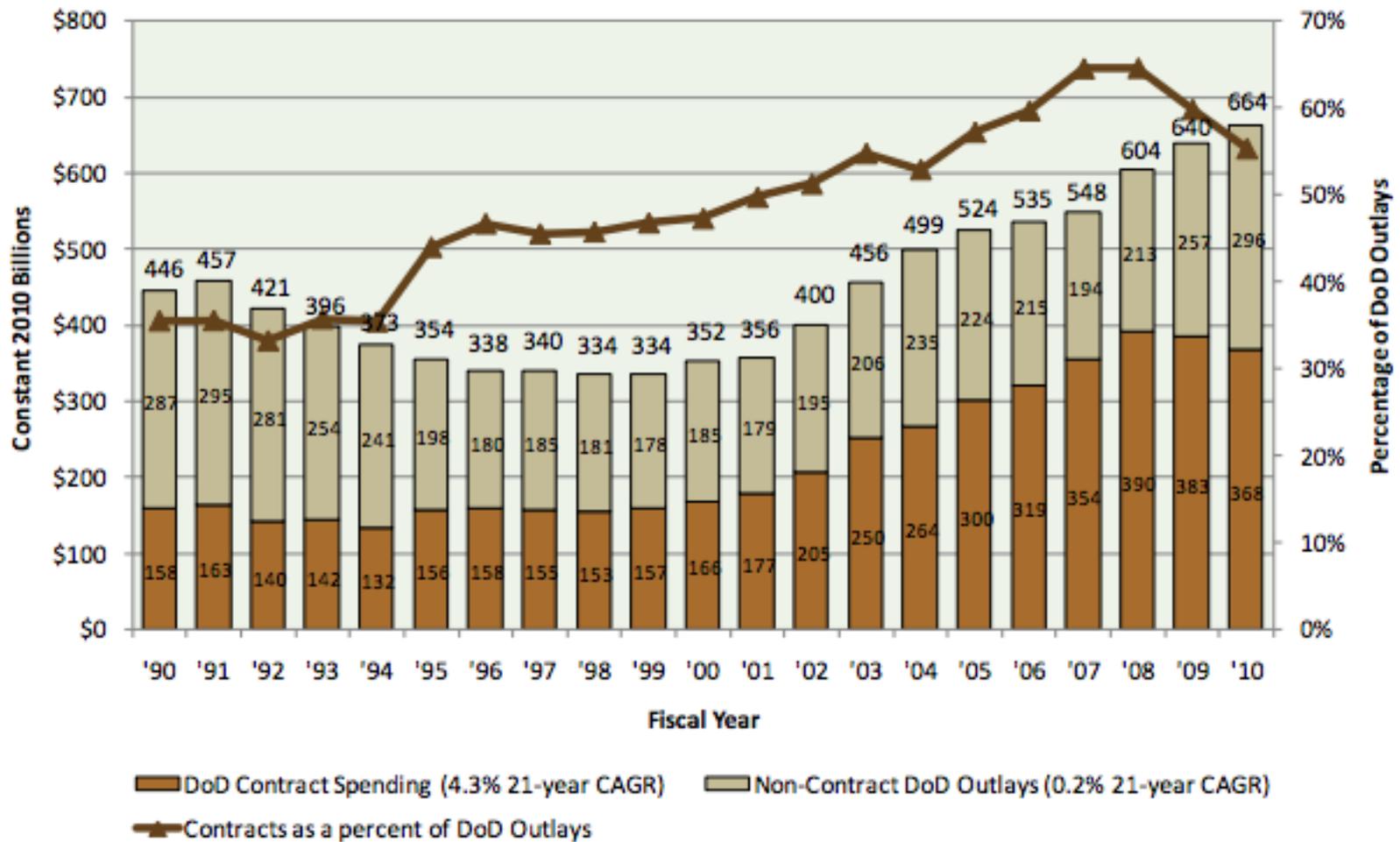
U.S. National Defense Spending % of U.S. GDP



Data source: BEA

cfr.org/cgs

Figure 2-1. Top Line DoD Contract Spending, 1990-2010



Disclaimer: This chart was originally printed with an error resulting in a higher percentage line. This error has been corrected.

Note: Dollar figures may not sum to total due to rounding.

Source: DD350 and FPDS; CSIS analysis

What are these public-private partnerships?

- Service contracts
- Supply chains
- Ad-hoc partnerships

What are these public-private partnerships? (cont'd)

- Channel partnerships
- Info sharing partnerships
- Civic switchboard partnerships

Who are these partners?

Booz | Allen | Hamilton

Raytheon



Google



UTICA
COLLEGE

Some Potential Advantages

- Hiring speed
- Specialization
- More effective use of scarce resources
- Innovation
- Trust

Some Potential Disadvantages

- Unmet expectations
- Cost overruns
- Appearance v. Reality
- Management and Accountability
- Transparency



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U.S.

Assault on California Power Station Raises Alarm on Potential for Terrorism

April Sniper Attack Knocked Out Substation, Raises Concern for Country's Power Grid

By **REBECCA SMITH**

February 5, 2014

SAN JOSE, Calif.—The attack began just before 1 a.m. on April 16 last year, when someone slipped into an underground vault not far from a busy freeway and cut telephone cables.

Within half an hour, snipers opened fire on a nearby electrical substation. Shooting for 19 minutes, they surgically knocked out 17 giant transformers that funnel power to Silicon Valley. A minute before a police car arrived, the shooters disappeared into the night.



тамерлан Сарнаев
(Tsarnaev, Tsarnayev, etc.)

محمد

(Muhammad, Mohamed, etc.)



Future Trends

- Cyber incidents
- Economic crime
- Self-radicalization/lone wolves

Thank You!



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