

United States

166 Financial Institutions currently invest or make available an estimated USD\$ 218,520.23 million in nuclear weapons companies.

Introduction

This document contains country specific information from the 2013 Don't Bank on the Bomb report. It identifies which financial institutions have significant financing relationships with one or more of the 27 nuclear weapons producers. There is also a brief summary of the nuclear weapons related work of each of the identified producers. This paper provides details about the nature and value of specific transactions and holdings of the financial institutions.

The financial institutions identified include banks, pension funds, sovereign wealth funds, insurance companies and asset managers. They have provided various types of financial services to nuclear weapon companies. The most important are loans, investment banking and asset management.

All sources of financing provided since 1 January 2010 to the companies listed were analysed from annual reports, financial databases and other sources. The financial institutions which are most significantly involved in the financing of one or more nuclear weapon companies are shown here. See the full report for both a summary and full description of all financial institutions which are found to have the most significant financing relationships with one or more of the 27 selected nuclear weapon companies, by means of participating in bank loans, by underwriting share or bond issues and/or by share- or bondholdings (above a threshold of 0.5% of all outstanding shares or bonds).

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Hall of Shame

This section contains the results of our research into which financial institutions are financing and/or investing in the 27 nuclear weapon companies. The analysis was performed according to the methodology and thresholds defined in the methodology explanations below. Each section provides the following information for each financial institution:

- The types of financial relations which the financial institution has with one or more nuclear weapon companies. The relations are grouped by loans, investment banking and asset management. Financial activities are listed alphabetically by nuclear weapons company for each category.

- The name of the receiving company, the amount, the date and (if known) the purpose for each financial relation. For loans and bonds the maturity date is given, as well as the interest rate.

Abrams Bison Investments

Abrams Bison Investments currently has an estimated USD\$ 250.57 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 1 provides an overview of the nuclear weapon companies in which Abrams Bison Investments owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 1 Shareholdings of Abrams Bison Investments

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
General Dynamics	United States	0.93	230.57	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Adage Capital Management

Adage Capital Management currently has an estimated USD\$ 623.02 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 2 provides an overview of the nuclear weapon companies in which Adage Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 2 Shareholdings of Adage Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Honeywell International	United States	0.82	486.22	31-Mar-2013
Rockwell Collins	United States	1.60	136.80	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013

Addison Clark Management

Addison Clark Management currently has an estimated USD\$ 159.99 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 3 provides an overview of the nuclear weapon companies in which Addison Clark Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 3 Shareholdings of Addison Clark Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	2.05	65.20	31-Mar-2013
SAIC	United States	2.04	94.79	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Affiliated Managers

Affiliated Managers currently has an estimated USD\$ 218.00 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 44 provides an overview of the nuclear weapon companies in which Affiliated Managers owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 4 Shareholdings of Affiliated Managers

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	0.79	26.78	31-Mar-2013
Rockwell Collins	United States	0.85	73.21	31-Mar-2013
URS	United States	3.28	118.07	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

American Century Investments

American Century Investments currently has an estimated USD\$ 762.08 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 5 provides an overview of the nuclear weapon companies in which American Century Investments owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 5 Shareholdings of American Century Investments

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
General Dynamics	United States	0.64	160.15	31-Mar-2013
Honeywell International	United States	0.54	322.52	31-Mar-2013
Northrop Grumman	United States	1.06	175.66	31-Mar-2013
Rockwell Collins	United States	1.21	103.75	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Ameriprise Financial

Ameriprise Financial currently has an estimated USD\$ 2,628.58 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 6 provides an overview of the nuclear weapon companies in which Ameriprise Financial owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 6 Shareholdings of Ameriprise Financial

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	1.61	51.44	31-Mar-2013
Babcock International	United Kingdom	3.13	199.75	13-May-2013
BAE Systems*	United Kingdom	0.82	155.76	6-Jun-2013
Honeywell International	United States	1.40	830.52	31-Mar-2013
Jacobs Engineering	United States	2.18	160.91	31-Mar-2013
Lockheed Martin	United States	0.67	207.34	31-Mar-2013
Northrop Grumman	United States	1.42	234.08	31-Mar-2013

Rolls-Royce*	United Kingdom	1.37	445.54	3-Jun-2013
URS	United States	0.53	19.05	31-Mar-2013

* Including BAE Systems ADRs; or, Rolls Royce ADR Representing 5 Ordinary Shares

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 7 provides an overview of the nuclear weapon companies in which Ameriprise Financial owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 7 Bondholdings of Ameriprise Financial

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	2.75	33.03	31-Mar-13 until 31-May-13
Lockheed Martin	United States	2.21	153.64	31-Mar-13 until 31-Mar-13
Northrop Grumman	United States	2.33	137.52	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Anchor Capital Advisors

Anchor Capital Advisors currently has an estimated USD\$ 174.13 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 8 provides an overview of the nuclear weapon companies in which Anchor Capital Advisors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 8 Shareholdings of Anchor Capital Advisors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	2.02	64.24	31-Mar-2013
Rockwell Collins	United States	0.59	50.30	31-Mar-2013
SAIC	United States	1.28	59.59	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

AQR Capital Management

AQR Capital Management currently has an estimated USD\$ 214.89 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 9 provides an overview of the nuclear weapon companies in which AQR Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 9 Shareholdings of AQR Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	1.01	34.00	31-Mar-2013
Alliant Techsystems	United States	1.67	39.01	31-Mar-2013
Northrop Grumman	United States	0.67	111.18	31-Mar-2013
URS	United States	0.60	21.47	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 10 provides an overview of the nuclear weapon companies in which AQR Capital Management owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 10 Bondholdings of AQR Capital Management

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
GenCorp	United States	1.40	9.23	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Aronson Johnson & Ortiz

Aronson Johnson & Ortiz currently has an estimated USD\$ 656.09 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 11 provides an overview of the nuclear weapon companies in which Aronson Johnson & Ortiz owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 11 Shareholdings of Aronson Johnson & Ortiz

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	0.73	24.62	31-Mar-2013
Alliant Techsystems	United States	1.00	23.34	31-Mar-2013
Fluor	United States	0.60	65.06	31-Mar-2013
Lockheed Martin	United States	0.55	169.39	31-Mar-2013
Nortrop Grumman	United States	1.50	248.07	31-Mar-2013
SAIC	United States	2.14	99.38	31-Mar-2013
URS	United States	0.73	26.23	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Artisan Partners

Artisan Partners currently has an estimated USD\$ 826.04 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 12 provides an overview of the nuclear weapon companies in which Artisan Partners owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 12 Shareholdings of Artisan Partners

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock International	United Kingdom	0.97	58.76	1-Jun-2013
Jacobs Engineering	United States	5.13	377.19	31-Mar-2013
Rockwell Collins	United States	2.26	193.47	31-Mar-2013
SAIC	United States	4.24	196.62	31-Mar-2013

Bank of America

Bank of America currently has an estimated USD\$ 12,174.34 million invested or available for the nuclear weapons producers identified in this report.

Loans

In September 2010, **Aecom** secured a US\$600 million four-year term credit agreement at a base rate of LIBOR+250.000bps. The proceeds were used for general corporate purposes, to increase working capital, for refinancing and acquisition needs. Under the credit agreement, Aecom borrowed US\$ 600 million in term loans and may borrow up to an additional \$100 million in term loans upon request subject to certain conditions. Bank of America was one of the two bookrunners in the ten bank syndicate and provided an estimated US\$ 120 million.¹

In July 2011, **Aecom** entered into an amended revolving credit facility, with a borrowing capacity of US\$ 1,050 million at a base rate of LIBOR+150.000bps and a five-year expiration date. The proceeds would be used as working capital and for general corporate purposes. Bank of America was one of the four bookrunners in the ten bank syndicate, participating with an estimated US\$ 105 million.²

In September 2011, **Aecom** secured a US\$ 600 million five-year term loan at a base rate of LIBOR+175.000bps, amending and replacing an existing credit agreement from September 2010. The proceeds were used to refinance bank debt and for general corporate purposes. Bank of America was one of the two bookrunners in the eleven bank syndicate and provided an estimated US\$120 million.³

In June 2013, **Aecom** entered into a US\$ 750 million five-year term loan at a base rate of LIBOR+150.000bps, a second amendment to an existing credit agreement from 2010. The proceeds were destined for capital expenditures, to repay all obligations owing under the existing credit agreement, and for other general corporate purposes. Bank of America was one of the two bookrunners in the 24 bank syndicate and participated with an estimated US\$ 150 million.⁴

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. Bank of America was one of the five bookrunners in the syndicate of 20 banks and provided US\$ 100 million.⁵

In September 2012, **Alliant Techsystems** secured a US\$ 200 million five-year credit facility at a base rate of LIBOR+225.000bps. The proceeds were used for refinancing and for general corporate purposes. Bank of America was one of the four bookrunners in a syndicate of 13 banks and provided an estimated US\$ 20 million.⁶

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility at a base rate of LIBOR+250.000bps with a value of US\$ 700 million. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. Bank of America was one of three bookrunners in the 17 bank syndicate and committing an estimated amount of US\$ 93 million.⁷

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. Bank of America was one of the four bookrunners in a syndicate of 17 banks, participating with US\$ 62.5 million.⁸

In June 2011, **Babcock International** secured a £ 500 million (US\$ 810 million) five-year credit facility. The proceeds were used for refinancing and general corporate purposes. Bank of America was one of seven bookrunners in the syndicate of ten banks, providing an estimated US\$ 81 million.⁹

In December 2010, **BAE Systems** secured a five-year revolving credit facility with a value of £ 2,000 million (US\$ 3,161 million). The proceeds were used for refinancing and general corporate purposes.

Bank of America was part of the 24 bank syndicate, committing an estimated amount of US\$ 132 million.¹⁰

In June 2011, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 2,500 million. The facility is split in two tranches: a US\$ 1,550 million letter of credit and a US\$ 950 million revolver. The proceeds would be used to refinance debt and for working capital purposes. Bank of America was one of the four bookrunners in a syndicate of 24 banks, and committed an estimated amount of US\$ 250 million.¹¹

In July 2012, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 975 million. The proceeds would be used for general corporate purposes. Bank of America was one of the two bookrunners in a syndicate of six banks, and committed an estimated amount of US\$ 195 million.¹²

In June 2013, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 3,000 million. The facility is an extension of the US\$ 975 million revolving credit from July 2012 and is split in two tranches: a US\$ 1,000 million revolver at a base rate of LIBOR+100.000bps, and a US\$ 2,000 million revolver at a base rate of LIBOR+55.000bps. The proceeds would be used for refinancing and general corporate purposes. Bank of America was one of the four bookrunners in a syndicate of eight banks, and committed an estimated amount of US\$ 300 million.¹³

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. Bank of America was part of the syndicate of 37 banks, participating with an estimated amount of US\$ 40.7 million.¹⁴

In November 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. Bank of America participated in the syndicate of 35 banks, providing an estimated amount of US\$ 83.6 million.¹⁵

In December 2010, **CH2M Hill** secured a US\$ 600 million revolving credit facility due December 2015 at a base rate of LIBOR+150.000bps. The proceeds were used for general corporate purposes. Bank of America participated in the five bank syndicate, committing an estimated amount of US\$ 120 million.¹⁶

In April 2012, **CH2M Hill** signed a US\$ 900 million revolving credit facility due April 2017 at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Bank of America participated in the nine bank syndicate, committing an estimated amount of US\$ 72 million.¹⁷

In April 2011, **EADS** secured a five-year revolving credit facility with a value of € 3,000 million (US\$ 4,345.3 million), at a base rate of EURIBOR+37.500bps. The proceeds were used for refinancing and for general corporate purposes. Bank of America participated in the 39 bank syndicate, committing an estimated amount of US\$ 111.4 million.¹⁸

In December 2010, **Fluor** entered into a US\$ 2,000 million credit facility. The facility was split in two tranches: a US\$ 800 million tranche due December 2013 at a base rate of LIBOR+100.000bps and a US\$ 1,200 million tranche due December 2015 at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. Bank of America participated in the syndicate of ten banks, providing an estimated amount of US\$ 400 million.¹⁹

In November 2012, **Fluor** secured a US\$ 1,800 million revolving credit facility due November 2017 at a base rate of LIBOR+100.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Bank of America participated in the eight bank syndicate, committing an estimated amount of US\$ 270 million.²⁰

In July 2010, **General Dynamics** secured a three-year revolving credit facility with a value of US\$ 1,000 million at a base rate of LIBOR+50.000bps. The proceeds were used to refinance the loan secured in July 2009 and to provide a backup for commercial paper. Bank of America participated in the 21 bank syndicate, committing an estimated amount of US\$ 80 million.²¹

In July 2011, **General Dynamics** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+37.500bps. The facility was split in two tranches: a US\$ 1,000 million tranche due July 2016 and a US\$ 1,000 million tranche due July 2013, which replaced the loan secured in July 2010. The proceeds were used for refinancing and for general corporate purposes. Bank of America participated in the 22 bank syndicate, committing an estimated amount of US\$ 160 million.²²

In June 2013, **General Dynamics** entered into a US\$ 1,000 million revolving credit facility due June 2018 at a base rate of LIBOR+87.500bps. The proceeds were used for refinancing. Bank of America participated in the seven bank syndicate, committing an estimated amount of US\$ 142.9 million.²³

In January 2010, **Honeywell International** secured a one-year revolving credit facility with a value of US\$ 20 million at a base rate of LIBOR+90.000bps. The proceeds were used for general corporate purposes. Bank of America participated in the three bank syndicate, committing an estimated amount of US\$ 6 million.²⁴

In March 2011, **Honeywell International** secured a five-year revolving credit facility with a value of US\$ 2,800 million. The proceeds were used for general corporate purposes. Bank of America participated in the 29 bank syndicate, committing an amount of US\$ 160 million.²⁵

In April 2012, **Honeywell International** secured a US\$ 3,000 million revolving credit facility due April 2017. The proceeds were used for refinancing bank debt and general corporate purposes. Bank of America participated in the 16 bank syndicate, committing an estimated amount of US\$ 182.1 million.²⁶

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. Bank of America participated in the syndicate of 20 banks, providing an estimated amount of US\$ 45.9 million.²⁷

In March 2012, **Jacobs Engineering** entered into a US\$ 1,160 million revolving credit facility due March 2017 at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes. Bank of America participated in the eight bank syndicate, committing an estimated amount of US\$ 154.7 million.²⁸

In August 2011, **Lockheed Martin** secured a five-year revolving credit facility with a value of US\$ 1,500 million at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. Bank of America participated in the 21 bank syndicate, committing an amount of US\$ 120 million.²⁹

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Bank of America participated in the 28 bank syndicate, committing an estimated amount of US\$ 12.5 million.³⁰

In May 2011, **Rockwell Collins** entered into a US\$ 850 million five-year unsecured revolving credit at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes, acquisition and refinancing debt. Bank of America was part of the syndicate of 12 banks, participating with an amount of US\$ 85 million.³¹

In May 2011, Rolls-Royce & Partners Finance, a subsidiary of **Rolls-Royce**, entered into a US\$ 1,050 million term loan due May 2014. The proceeds were used for general corporate purposes. Bank of America participated in the 19 bank syndicate, committing an estimated amount of US\$ 55.3 million.³²

In October 2011, **Rolls-Royce** secured a five-year revolving credit facility with a value of £ 1,000 million (US\$ 1,543.2 million). The proceeds were used to refinance two existing syndicated facilities and for general corporate purposes. Bank of America participated in the 23 bank syndicate, committing an estimated amount of US\$ 46.3 million.³³

In March 2011, **SAIC** signed a US\$ 750 million revolving credit facility due March 2015 at a base rate of LIBOR+120.000bps. The proceeds were used for general corporate purposes and refinancing of a 2007 loan. Bank of America was part of the nine bank syndicate, participating with an estimated amount of US\$ 150 million.³⁴

In February 2012, **SAIC** entered into a US\$ 750 million revolving credit facility due February 2016 at a base rate of LIBOR+120.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Bank of America was part of the six bank syndicate, participating with an estimated amount of US\$ 150 million.³⁵

In April 2013, **SAIC** secured a US\$ 750 million revolving credit facility due April 2017 at a base rate of LIBOR+120.000bps. The proceeds were used for refinancing bank debt. Bank of America was part of the six bank syndicate, participating with an estimated amount of US\$ 150 million.³⁶

In June 2011, **Serco** secured a credit facility with a total value of £ 300 million (US\$ 485.8 million). The facility was divided in two tranches: a £ 225 million bridge loan due June 2012 and a £ 75 million term loan due June 2014. The proceeds were used for general corporate purposes and to acquire Intelenet, an Indian company which provides business process outsourcing services. Bank of America participated in the three bank syndicate, committing an estimated amount of US\$ 161.9 million.³⁷

In March 2012, **Serco** secured a £ 730 million (US\$ 1,159.39 million) revolving credit facility due March 2017. The proceeds were used for refinancing the company's existing US\$ 500 million and £ 400 million credit facilities and certain other bilateral facilities, and for general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, was part of the 16 bank syndicate, participating with an estimated amount of US\$ 72.5 million.³⁸

In October 2011, **URS** entered into a US\$ 1,700 million credit facility at a base rate of LIBOR+150.000bps due October 2016. The facility was split in two tranches: a US\$ 1,000 million revolving credit facility and a US\$ 700 million term loan. The proceeds were used for refinancing bank debt and general corporate purposes. Bank of America participated in the 16 bank syndicate, providing an estimated amount of US\$ 170 million.³⁹

In March 2012, **URS** entered into a US\$ 500 million bridge Loan due March 2013 at a base rate of LIBOR+175.000bps. The proceeds will be used for future acquisitions. Bank of America was part of the ten bank syndicate, participating with an estimated amount of US\$ 66.7 million.⁴⁰

Investment banking

In September 2010, **Alliant Techsystems** issued 6.875% ten-year bonds for US\$ 350 million. The proceeds were used for general corporate purposes and to reduce indebtedness. Bank of America, one of the two bookrunners in the seven bank syndicate, underwrote US\$ 129 million.⁴¹

In March 2011, **Babcock International** issued US\$ 650 million worth of loan notes on the US private placement market. The issue comprised US\$ 150 million seven-year 4.940% notes and US\$ 500 million ten-year 5.640% notes. The proceeds were swapped into pound sterling and used to repay the bridge loan facility secured by the company in March 2010. Bank of America acted as one of the two bookrunners, underwriting an estimated amount of US\$ 325 million.⁴²

In May 2012, **BAE Systems** issued £ 400 million (US\$ 619 million) worth of 4.125% ten-year bonds. The proceeds were used for general corporate purposes. Bank of America was one of the four joint bookrunners, underwriting an estimated US\$ 155 million.⁴³

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. Bank of America participated in the syndicate of 31 banks, underwriting an amount of US\$ 122.5 million.⁴⁴

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 4 million.⁴⁵

In April 2013, **EADS** issued new shares, raising € 2,282.6 million (US\$ 2,986.9 million). The proceeds were used for general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the syndicate of three banks, underwriting an estimated amount of US\$ 995.6 million.⁴⁶

In April 2013, **EADS** issued new shares, raising € 380 million (US\$ 491.5 million). Bank of America Merrill Lynch, a subsidiary of Bank of America, was the sole bookrunner of the issue, underwriting the whole amount of US\$ 491.5 million.⁴⁷

In May 2010, **Fluor** issued bonds with a total value of US\$ 396 million due May 2040. The proceeds were used for general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the syndicate of two banks, underwriting an estimated amount of US\$ 198 million.⁴⁸

In September 2011, **Fluor** issued bonds with a total value of US\$ 500 million with an interest rate of 3.375% due September 2021. The proceeds were used for general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the syndicate of 17 banks, underwriting an amount of US\$ 140 million.⁴⁹

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the 21 bank syndicate, underwriting an amount of US\$ 180 million.⁵⁰

In November 2012, **General Dynamics** issued bonds with a total value of US\$ 2,400 million. The issue was split in three tranches: a US\$ 1,000 million 2.250% tranche due November 2022, a US\$ 900 million 1.000% tranche due November 2017 and a US\$ 500 million 3.600% tranche due November 2042. The proceeds were used for reduce indebtedness and general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the 18 bank syndicate, underwriting an amount of US\$ 336 million.⁵¹

In July 2011, **Honeywell International** issued bonds with a total value of US\$ 1,400 million. The issue was split in two tranches: a US\$ 800 million 4.250% tranche due March 2021 and a US\$ 600 million 5.375% tranche due March 2041. The proceeds were used for reduce indebtedness and general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the 14 bank syndicate, underwriting an amount of US\$ 280 million.⁵²

In March 2011, **Huntington Ingalls Industries** issued bonds with a total value of US\$ 1,200 million. The issue was split in two tranches: a US\$ 600 million 7.125% tranche due March 2021 and a US\$ 600 million 6.875% tranche due March 2016. The proceeds were used for general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the 13 bank syndicate, underwriting an estimated amount of US\$ 33.3 million.⁵³

In September 2011, **Lockheed Martin** issued bonds with a total value of US\$ 2,000 million. The issue was split in three tranches: a US\$ 500 million 2.125% tranche due September 2016, a US\$ 900 million 3.350% tranche due September 2021 and a US\$ 600 million 4.850% tranche due September

2041. The proceeds were used for general corporate purposes and to reduce indebtedness. Bank of America participated in the 15 bank syndicate, underwriting an amount of US\$ 220 million.⁵⁴

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 35.6 million.⁵⁵

In February 2012, **Safran** issued bonds with a total value of US\$ 1,200 million. The issue was split in three tranches: a US\$ 155 million 3.700% tranche due February 2019, a US\$ 505 million 4.430% tranche due February 2024 and a US\$ 540 million 4.280% tranche due February 2022. The proceeds were used for general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the two bank syndicate, underwriting an estimated amount of US\$ 600 million.⁵⁶

In December 2010, **SAIC** issued bonds with a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 450 million 4.450% tranche due December 2020 and a US\$ 300 million 5.950% tranche due December 2040. The proceeds were used for repurchasing additional shares of common stock and general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the ten bank syndicate, underwriting an estimated amount of US\$ 187.5 million.⁵⁷

In May 2011, **Serco** issued bonds for a total value of US\$ 300 million. The issue was split in three tranches: a US\$ 50 million 3.620% tranche due May 2016, a US\$ 150 million 4.940% tranche due May 2021 and a US\$ 100 million 4.350% tranche due May 2018. The proceeds were used for general corporate purposes. Bank of America was the sole bookrunner of the issue, underwriting the whole amount of US\$ 300 million.⁵⁸

In December 2011, **Serco** issued bonds with a total value of US\$ 335 million. The issue was split in three tranches: a US\$ 70 million 3.780% tranche due December 2019, a US\$ 125 million 4.270% tranche due December 2023 and a US\$ 140 million 4.170% tranche due December 2021. The proceeds were used for general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the three bank syndicate, underwriting an estimated amount of US\$ 111.7 million.⁵⁹

In March 2012, **URS** issued bonds with a total value of US\$ 1,000 million. The issue was split in two tranches: a US\$ 400 million 3.850% tranche due April 2017 and a US\$ 600 million 5.000% tranche due April 2022. The proceeds were used for paying fees and expenses, reducing indebtedness, acquisition and general corporate purposes. Bank of America Merrill Lynch, a subsidiary of Bank of America, participated in the four bank syndicate, underwriting an estimated amount of US\$ 250 million.⁶⁰

Asset management

Table 13 provides an overview of the nuclear weapon companies in which Bank of America owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 13 Shareholdings of Bank of America

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	9.88	263.27	07-Jan-2013 until 31-Mar-2013
Boeing	United States	0.53	342.14	31-Mar-2013
Fluor	United States	1.00	108.51	31-Mar-2013
General Dynamics	United States	0.77	190.97	31-Mar-2013

Honeywell International	United States	1.66	982.67	31-Dec-2012 until 31-Mar-2013
Jacobs Engineering	United States	1.54	113.62	31-Mar-2013
Lockheed Martin	United States	0.66	203.63	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 14 provides an overview of the nuclear weapon companies in which Bank of America owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 14 Bondholdings of Bank of America

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	0.50	2.73	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

BB&T Corporation

BB&T currently has an estimated USD\$ 181.90 million invested or available for the nuclear weapons producers identified in this report.

Loans

In June 2013, **Aecom** entered into a US\$ 750 million five-year term loan at a base rate of LIBOR+150.000bps, a second amendment to an existing credit agreement from 2010. The proceeds were destined for capital expenditures, to repay all obligations owing under the existing credit agreement, and for other general corporate purposes. Branch Banking & Trust, a subsidiary of BB&T, was part of the 24 bank syndicate and participated with an estimated US\$ 20 million.⁶¹

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. Branch Banking & Trust, a subsidiary of BB&T, was part of the syndicate of 20 banks and provided US\$ 35 million.⁶²

In September 2012, **Alliant Techsystems** secured a US\$ 200 million five-year credit facility at a base rate of LIBOR+225.000bps. The proceeds were used for refinancing and for general corporate purposes. Branch Banking & Trust, a subsidiary of BB&T, participated in the syndicate of 13 banks and provided an estimated US\$ 13 million.⁶³

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility with a value of US\$ 700 million at a base rate of LIBOR+250.000bps. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. Branch Banking & Trust, a subsidiary of BB&T, was part of the 17 bank syndicate, committing an estimated amount of US\$ 28 million.⁶⁴

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. Branch Banking & Trust, a subsidiary of BB&T, was part of the syndicate of 17 banks, participating with US\$ 40 million.⁶⁵

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. Branch Banking &

Trust, a subsidiary of BB&T, participated in the syndicate of 20 banks, providing an estimated amount of US\$ 45.9 million.⁶⁶

Beck, Mack & Oliver

Beck, Mack & Oliver currently has an estimated USD\$ 89.91 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 15 provides an overview of the nuclear weapon companies in which Beck, Mack & Oliver owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 15 Shareholdings of Beck, Mack & Oliver

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Fluor	United States	0.83	89.91	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Blackrock

Blackrock currently has an estimated USD\$ 19,239.67 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 16 provides an overview of the nuclear weapon companies in which Blackrock owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 16 Shareholdings of Blackrock

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	5.45	184.20	31-Mar-2013
Alliant Techsystems	United States	5.59	130.48	31-Mar-2013
Babcock & Wilcox	United States	3.64	116.19	30-Sep-2012 until 31-Mar-2013
Babcock International	United Kingdom	5.74	359.95	27-Feb-2013 until 01-Jun-2013
BAE Systems	United Kingdom	0.98	179.23	30-Sep-2012 until 06-Jun-2013
Boeing	United States	5.18	3,366.73	30-Sep-2012 until 31-May-2013
EADS	Netherlands	4.65	1,581.82	09-Oct-2012 until 31-May-2013
Fluor	United States	5.24	565.97	30-Sep-2012 until 31-Mar-2013
GenCorp	United States	8.23	66.30	31-Mar-2013
General Dynamics	United States	4.83	1,204.45	30-Sep-2012 until 31-May-2013
Honeywell International	United States	5.69	3,374.40	31-Mar-2013 until 31-May-2013
Huntington Ingalls Industries	United States	5.95	159.26	31-Mar-2013
Jacobs Engineering	United States	5.59	411.41	31-Mar-2013
Larsen & Toubro*	India	1.17	184.09	30-Apr-2013 until 31-May-2013

Lockheed Martin	United States	5.17	1,600.27	31-Mar-2013 until 31-May-2013
Northrop Grumman	United States	8.76	1,444.58	30-Sep-2012 until 31-May-2013
Rockwell Collins	United States	5.81	497.81	31-Mar-2013
Rolls-Royce	United Kingdom	5.91	1,752.23	08-Feb-2013 until 03-Jun-2013
Safran	France	1.57	328.22	30-Sep-2012 until 31-May-2013
SAIC	United States	5.60	260.54	30-Sep-2012 until 31-Mar-2013
Serco	United Kingdom	5.47	254.76	30-Sep-2012 until 11-Jun-2013
ThyssenKrupp	Germany	5.64	612.54	30-Sep-2012 until 31-May-2013
URS	United States	5.34	192.28	30-Sep-2012 until 31-Mar-2013

* Including Larsen and Toubro Sponsored GDR Representing 1 Ordinary Share.

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 17 provides an overview of the nuclear weapon companies in which Blackrock owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 17 Bondholdings of Blackrock

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Boeing	United States	0.53	48.42	30-Jun-13 until 31-Mar-13
Fluor	United States	0.67	3.50	30-Jun-13
GenCorp	United States	0.61	4.00	31-Mar-13
General Dynamics	United States	1.38	53.61	31-Mar-13 until 30-Jun-13
Honeywell International	United States	0.74	44.79	31-Mar-13 until 30-Jun-13
Huntington Ingalls Industries	United States	5.87	70.43	30-Jun-13 until 31-Mar-13
Lockheed Martin	United States	0.93	64.69	31-Mar-13 until 30-Jun-13
Rolls-Royce	United Kingdom	0.86	22.30	31-Mar-13 until 30-Jun-13
Thales	France	0.87	15.71	30-Jun-13
ThyssenKrupp	Germany	1.14	84.51	30-Jun-13 until 31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

BNY Mellon

BNY Mellon currently has an estimated USD\$ 4,264.99 million invested or available for the nuclear weapons producers identified in this report.

Loans

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. BNY Mellon was part of the syndicate of 20 banks and provided US\$ 35 million.⁶⁷

In September 2012, **Alliant Techsystems** secured a US\$ 200 million five-year credit facility at a base rate of LIBOR+225.000bps. The proceeds were used for refinancing and for general corporate purposes. BNY Mellon participated in the syndicate of 13 banks and provided an estimated US\$ 13 million.⁶⁸

In June 2011, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 2,500 million. The facility is split in two tranches: a US\$1,550 million letter of credit and a US\$ 950 million revolver. The proceeds would be used to refinance debt and for working capital purposes. BNY Mellon was part of the syndicate of 24 banks, and committed an estimated amount of US\$ 75 million.⁶⁹

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. BNY Mellon was part of the syndicate of 37 banks, participating with an estimated amount of US\$ 40.7 million.⁷⁰

In December 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. BNY Mellon participated in the syndicate of 35 banks, providing an estimated amount of US\$ 83.6 million.⁷¹

In July 2010, **General Dynamics** secured a three-year revolving credit facility with a value of US\$ 1,000 million at a base rate of LIBOR+50.000bps. The proceeds were used to refinance the loan secured in July 2009 and to provide a backup for commercial paper. Bank of New York, a subsidiary of BNY Mellon, participated in the 21 bank syndicate, committing an estimated amount of US\$ 37.5 million.⁷²

In July 2011, **General Dynamics** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+37.500bps. The facility was split in two tranches: a US\$ 1,000 million tranche due July 2016 and a US\$ 1,000 million tranche due July 2013, which replaced the loan secured in July 2010. The proceeds were used for refinancing and for general corporate purposes. Bank of New York, a subsidiary of BNY Mellon, participated in the 22 bank syndicate, committing an estimated amount of US\$ 78.1 million.⁷³

In March 2011, **Honeywell International** secured a five-year revolving credit facility with a value of US\$ 2,800 million. The proceeds were used for general corporate purposes. BNY Mellon participated in the 29 bank syndicate, committing an amount of US\$ 80 million.⁷⁴

In September 2011, **Northrop Grumman** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+75.000bps. The facility was divided in two tranches: a US\$ 500 million tranche due September 2012 and a US\$ 1,500 million tranche due September 2016. The proceeds were used for general corporate purposes. Bank of New York, a subsidiary of BNY Mellon, participated in the 11 bank syndicate, committing an estimated amount of US\$ 171.4 million.⁷⁵

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. BNY Mellon participated in the 28 bank syndicate, committing an estimated amount of US\$ 12.5 million.⁷⁶

In May 2011, **Rockwell Collins** entered into a US\$ 850 million five-year unsecured revolving credit at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes, acquisition and refinancing debt. BNY Mellon was part of the syndicate of 12 banks, participating with an amount of US\$ 85 million.⁷⁷

In March 2011, **SAIC** signed a US\$ 750 million revolving credit facility due March 2015 at a base rate of LIBOR+120.000bps. The proceeds were used for general corporate purposes and refinancing of a

2007 loan. Bank of New York, a subsidiary of BNY Mellon, was part of the syndicate of nine banks, participating with an estimated amount of US\$ 64.3 million.⁷⁸

Investment banking

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. BNY Mellon participated in the syndicate of 31 banks, underwriting an amount of US\$ 15 million.⁷⁹

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. BNY Mellon participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 4 million.⁸⁰

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. BNY Mellon participated in the 21 bank syndicate, underwriting an amount of US\$ 30 million.⁸¹

In November 2012, **General Dynamics** issued bonds with a total value of US\$ 2,400 million. The issue was split in three tranches: a US\$ 1,000 million 2.250% tranche due November 2022, a US\$ 900 million 1.000% tranche due November 2017 and a US\$ 500 million 3.600% tranche due November 2042. The proceeds were used for reduce indebtedness and general corporate purposes. BNY Mellon participated in the 18 bank syndicate, underwriting an amount of US\$ 72 million.⁸²

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. BNY Mellon participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 35.6 million.⁸³

In December 2010, **SAIC** issued bonds with a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 450 million 4.450% tranche due December 2020 and a US\$ 300 million 5.950% tranche due December 2040. The proceeds were used for repurchasing additional shares of common stock and general corporate purposes. BNY Mellon participated in the ten bank syndicate, underwriting an estimated amount of US\$ 26.8 million.⁸⁴

Asset management

Table 18 provides an overview of the nuclear weapon companies in which BNY Mellon owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 18 Shareholdings of BNY Mellon

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	1.98	67.08	31-Mar-2013
Alliant Techsystems	United States	1.32	30.96	31-Mar-2013
Babcock & Wilcox	United States	0.53	16.97	31-Mar-2013
Boeing	United States	1.06	692.43	31-Mar-2013
Fluor	United States	2.58	278.47	31-Mar-2013
GenCorp	United States	0.97	7.84	31-Mar-2013
General Dynamics	United States	1.08	265.92	31-Mar-2013
Honeywell International	United States	1.50	889.19	31-Mar-2013
Huntington Ingalls	United States	0.98	26.26	31-Mar-2013

Industries				
Jacobs Engineering	United States	1.93	141.83	31-Mar-2013
Lockheed Martin	United States	1.22	376.97	31-Mar-2013
Northrop Grumman	United States	2.24	368.59	31-Mar-2013
Rockwell Collins	United States	1.57	133.83	31-Mar-2013
SAIC	United States	0.97	45.46	31-Mar-2013
URS	United States	1.43	51.39	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 19 provides an overview of the nuclear weapon companies in which BNY Mellon owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 19 Bondholdings of BNY Mellon

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	0.55	3.00	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Brown Advisory Holdings

Brown Advisory Holdings currently has an estimated USD\$ 570.41 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 20 provides an overview of the nuclear weapon companies in which Brown Advisory Holdings owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 20 Shareholdings of Brown Advisory Holdings

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Fluor	United States	5.28	570.41	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Calamos Holdings

Calamos Holdings currently has an estimated USD\$ 122.15 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 2121 provides an overview of the nuclear weapon companies in which Calamos Holdings owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 21 Shareholdings of Calamos Holdings

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Fluor	United States	0.71	76.25	31-Mar-2013
Jacobs Engineering	United States	0.56	40.83	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 2222 provides an overview of the nuclear weapon companies in which Calamos Holdings owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 22 Bondholdings of Calamos Holdings

Company	Country	% of all	Value (US\$ mln)	Filing date (range)
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		outstanding bonds		
Alliant Techsystems	United States	0.92	5.07	30-Apr-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Cantillon Capital Management

Cantillon Capital Management currently has an estimated USD\$ 316.26 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 2323 provides an overview of the nuclear weapon companies in which Cantillon Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 23 Shareholdings of Cantillon Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock International	United Kingdom	4.95	316.26	13-May-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Capital Group of Companies

Capital Group of Companies currently has an estimated USD\$ 19,490.53 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 2424 provides an overview of the nuclear weapon companies in which Capital Group of Companies owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 24 Shareholdings of Capital Group of Companies

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock International	United Kingdom	8.59	527.68	06-Feb-2013 until 13-May-2013
BAE Systems	United Kingdom	1.77	288.10	08-Oct-2012 until 10-Jan-2013
Bharat Electronics	India	0.76	12.90	31-Mar-2013
Boeing	United States	9.81	6,383.66	31-Mar-2013
EADS	Netherlands	3.33	894.70	26-Sep-2012 until 31-Mar-2013
General Dynamics	United States	11.16	2,779.06	31-Mar-2013
Honeywell International	United States	1.27	752.37	31-Mar-2013
Lockheed Martin	United States	16.19	5,005.48	31-Mar-2013
Northrop Grumman	United States	2.68	442.36	31-Mar-2013
Rockwell Collins	United States	12.36	1,058.37	31-Mar-2013
Rolls-Royce	United Kingdom	3.13	1,073.68	25-Feb-2013 until 15-May-2013
Serco	United Kingdom	4.87	216.09	27-Feb-2013 until 13-Jun-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 2525 provides an overview of the nuclear weapon companies in which Capital Group of Companies owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 25 Bondholdings of Capital Group of Companies

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
GenCorp	United States	2.31	15.25	31-Mar-13
Honeywell International	United States	0.67	40.83	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Capital One Financial

Capital One currently has an estimated USD\$ 45.90 million invested or available for the nuclear weapons producers identified in this report.

Loans

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. Capital One Financial participated in the syndicate of 20 banks, providing an estimated amount of US\$ 45.9 million.⁸⁵

Carlson Capital

Carlson Capital currently has an estimated USD\$ 26.62 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 26 provides an overview of the nuclear weapon companies in which Carlson Capital owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 26 Shareholdings of Carlson Capital

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	0.52	16.64	31-Mar-2013
GenCorp	United States	1.24	9.98	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Century Management

Century Management currently has an estimated USD\$ 66.65 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 27 provides an overview of the nuclear weapon companies in which Century Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 27 Shareholdings of Century Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	0.91	66.65	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Charles Schwab Investment Management

Charles Schwab Investment Management currently has an estimated USD\$ 91.73 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 28 provides an overview of the nuclear weapon companies in which Charles Schwab Investment Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 28 Shareholdings of Charles Schwab Investment Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Nortrop Grumman	United States	0.56	91.73	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Citadel Group

Citadel Group currently has an estimated USD\$ 244.61 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 29 provides an overview of the nuclear weapon companies in which Citadel Group owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 29 Shareholdings of Citadel Group

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Lockheed Martin	United States	0.72	221.87	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 30 provides an overview of the nuclear weapon companies in which Citadel Group owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 30 Bondholdings of Citadel Group

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	1.41	7.74	31-Mar-13
GenCorp	United States	2.27	15.00	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Citi

Citi currently has an estimated USD\$ 8,145.40 million invested or available for the nuclear weapons producers identified in this report.

Loans

In December 2010, **BAE Systems** secured a five-year revolving credit facility with a value of £ 2,000 million (US\$ 3,161 million). The proceeds were used for refinancing and general corporate purposes. Citi was part of the 24 bank syndicate, committing an estimated amount of US\$ 132 million.⁸⁶

In June 2011, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 2,500 million. The facility is split in two tranches: a US\$1,550 million letter of credit and a US\$ 950 million revolver. The proceeds would be used to refinance debt and for working capital purposes. Citi was one of the

four bookrunners in a syndicate of 24 banks, and committed an estimated amount of US\$ 250 million.⁸⁷

In July 2012, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 975 million. The proceeds would be used for general corporate purposes. Citi participated in the syndicate of six banks, and committed an estimated amount of US\$ 146 million.⁸⁸

In June 2013, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 3,000 million. The facility is an extension of the US\$ 975 million revolving credit from July 2012 and is split in two tranches: a US\$ 1,000 million revolver at a base rate of LIBOR+100.000bps, and a US\$ 2,000 million revolver at a base rate of LIBOR+55.000bps. The proceeds would be used for refinancing and general corporate purposes. Citi was one of the four bookrunners in a syndicate of eight banks, and committed an estimated amount of US\$ 300 million.⁸⁹

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. Citi was one of two bookrunners in the syndicate of 37 banks, participating with an estimated amount of US\$ 475.2 million.⁹⁰

In November 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. Citi was one of two bookrunners in the syndicate of 35 banks, providing an estimated amount of US\$ 920 million.⁹¹

In October 2012, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a US\$ 2,300 million tranche due October 2013 at a base rate of LIBOR+82.500bps, and a US\$ 2,300 million tranche due October 2017 at a base rate of LIBOR+79.500bps, which replaced the loan secured in November 2011. The proceeds were used for refinancing bank debt and general corporate purposes. Citi was one of two bookrunners in the syndicate of four banks, providing an estimated amount of US\$ 1380 million.⁹²

In April 2011, **EADS** secured a five-year revolving credit facility with a value of € 3,000 million (US\$ 4,345.3 million), at a base rate of EURIBOR+37.500bps. The proceeds were used for refinancing and for general corporate purposes. Citi participated in the 39 bank syndicate, committing an estimated amount of US\$ 111.4 million.⁹³

In November 2012, **Fluor** secured a US\$ 1,800 million revolving credit facility due November 2017 at a base rate of LIBOR+100.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Citi participated in the eight bank syndicate, committing an estimated amount of US\$ 270 million.⁹⁴

In January 2010, **Honeywell International** secured a one-year revolving credit facility with a value of US\$ 20 million at a base rate of LIBOR+90.000bps. The proceeds were used for general corporate purposes. Citi participated in the three bank syndicate, committing an estimated amount of US\$ 8 million.⁹⁵

In March 2011, **Honeywell International** secured a five-year revolving credit facility with a value of US\$ 2,800 million. The proceeds were used for general corporate purposes. Citi participated in the 29 bank syndicate, committing an amount of US\$ 215 million.⁹⁶

In April 2012, **Honeywell International** secured a US\$ 3,000 million revolving credit facility due April 2017. The proceeds were used for refinancing bank debt and general corporate purposes. Citi participated in the 16 bank syndicate, committing an amount of US\$ 225 million.⁹⁷

In August 2011, **Lockheed Martin** secured a five-year revolving credit facility with a value of US\$ 1,500 million at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. Citi participated in the 21 bank syndicate, committing an amount of US\$ 120 million.⁹⁸

In September 2011, **Northrop Grumman** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+75.000bps. The facility was divided in two tranches: a US\$ 500 million tranche due September 2012 and a US\$ 1,500 million tranche due September 2016. The proceeds were used for general corporate purposes. Citi participated in the 11 bank syndicate, committing an estimated amount of US\$ 200 million.⁹⁹

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Citi participated in the 28 bank syndicate, committing an estimated amount of US\$ 50 million.¹⁰⁰

In May 2011, **Rockwell Collins** entered into a US\$ 850 million five-year unsecured revolving credit at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes, acquisition and refinancing debt. Citi was part of the syndicate of 12 banks, participating with an amount of US\$ 105 million.¹⁰¹

In May 2011, Rolls-Royce & Partners Finance, a subsidiary of **Rolls-Royce**, entered into a US\$ 1,050 million term loan due May 2014. The proceeds were used for general corporate purposes. Citi participated in the 19 bank syndicate, committing an estimated amount of US\$ 55.3 million.¹⁰²

In October 2011, **Rolls-Royce** secured a five-year revolving credit facility with a value of £ 1,000 million (US\$ 1,543.2 million). The proceeds were used to refinance two existing syndicated facilities and for general corporate purposes. Citi participated in the 23 bank syndicate, committing an estimated amount of US\$ 205.8 million.¹⁰³

In December 2010, **Safran** secured a five-year revolving credit facility with a value of € 1,600 million (US\$ 2,122.3 million). The proceeds were used for general corporate purposes. Citi participated in the 12 bank syndicate, committing an estimated amount of US\$ 121.3 million.¹⁰⁴

In March 2011, **SAIC** signed a US\$ 750 million revolving credit facility due March 2015 at a base rate of LIBOR+120.000bps. The proceeds were used for general corporate purposes and refinancing of a 2007 loan. Citi was part of the syndicate of nine banks, participating with an estimated amount of US\$ 150 million.¹⁰⁵

In February 2012, **SAIC** entered into a US\$ 750 million revolving credit facility due February 2016 at a base rate of LIBOR+120.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Citi was part of the syndicate of six banks, participating with an estimated amount of US\$ 150 million.¹⁰⁶

In April 2013, **SAIC** secured a US\$ 750 million revolving credit facility due April 2017 at a base rate of LIBOR+120.000bps. The proceeds were used for refinancing bank debt. Citi was part of the syndicate of six banks, participating with an estimated amount of US\$ 150 million.¹⁰⁷

In December 2010, **Thales** secured a five-year revolving credit facility with a value of € 1,500 million (US\$ 1,978.6 million). The proceeds were used to refinance a loan which was due to mature in December 2011 and for general corporate purposes. Citi participated in the 20 bank syndicate, committing an estimated amount of US\$ 87.9 million.¹⁰⁸

In October 2011, **URS** entered into a US\$ 1,700 million credit facility at a base rate of LIBOR+150.000bps due October 2016. The facility was split in two tranches: a US\$ 1,000 million revolving credit facility and a US\$ 700 million term loan. The proceeds were used for refinancing bank debt and general corporate purposes. Citi participated in the syndicate of 16 banks, providing an estimated amount of US\$ 170 million.¹⁰⁹

In March 2012, **URS** entered into a US\$ 500 million bridge Loan due March 2013 at a base rate of LIBOR+175.000bps. The proceeds will be used for future acquisitions. Citi was part of the syndicate of ten banks, participating with an estimated amount of US\$ 66.7 million.¹¹⁰

Investment banking

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. Citi participated in the syndicate of 31 banks, underwriting an amount of US\$ 22.5 million.¹¹¹

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. Citi participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 65.6 million.¹¹²

In April 2013, EADS Finance, a subsidiary of **EADS**, issued bonds with a total value of US\$ 1,000 million with an interest rate of 2.700% due April 2023. The proceeds were used for general corporate purposes. Citi participated in the syndicate of six banks, underwriting an estimated amount of US\$ 166.7 million.¹¹³

In September 2011, **Fluor** issued bonds with a total value of US\$ 500 million with an interest rate of 3.375% due September 2021. The proceeds were used for general corporate purposes. Citi participated in the syndicate of 17 banks, underwriting an amount of US\$ 15 million.¹¹⁴

In January 2013, **GenCorp** issued bonds with a total value of US\$ 460 million with an interest rate of 7.125% due March 2021. The proceeds were used for future acquisitions and general corporate purposes. Citi participated in the syndicate of four banks, underwriting an estimated amount of US\$ 115 million.¹¹⁵

In July 2011, **Honeywell International** issued bonds with a total value of US\$ 1,400 million. The issue was split in two tranches: a US\$ 800 million 4.250% tranche due March 2021 and a US\$ 600 million 5.375% tranche due March 2041. The proceeds were used for reduce indebtedness and general corporate purposes. Citi participated in the 14 bank syndicate, underwriting an amount of US\$ 280 million.¹¹⁶

In February 2010, L&T Finance Holdings, a subsidiary of **Larsen & Toubro**, issued bonds with a total value of INR 5,000 million (US\$ 107.8 million). The issue was split in two tranches: a INR 2,500 million (US\$ 53.9 million) 8.500% tranche due March 2013 and a INR 2,500 million (US\$ 53.9 million) 8.400% tranche due March 2013. Citi participated in the three bank syndicate, underwriting an estimated amount of US\$ 35.9 million.¹¹⁷

In July 2011, L&T Finance Holdings a subsidiary of **Larsen & Toubro**, issued shares through an Initial Public Offering (IPO), raising INR 12,360.7 million (US\$ 279.7 million). The proceeds were used for paying fees & expenses, investing in other companies, capital expenditures, reducing indebtedness and general corporate purposes. Citi participated in the syndicate of six banks, underwriting an estimated amount of US\$ 46.6 million.¹¹⁸

In September 2011, **Lockheed Martin** issued bonds with a total value of US\$ 2,000 million. The issue was split in three tranches: a US\$ 500 million 2.125% tranche due September 2016, a US\$ 900 million 3.350% tranche due September 2021 and a US\$ 600 million 4.850% tranche due September 2041. The proceeds were used for general corporate purposes and to reduce indebtedness. Citi participated in the 15 bank syndicate, underwriting an amount of US\$ 410 million.¹¹⁹

In November 2010, **Northrop Grumman** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.850% tranche due November 2015, a US\$ 300 million 5.050% tranche due November 2040 and a US\$ 700 million 3.500% tranche due March 2021. The proceeds were used for general corporate purposes, to reduce indebtedness and for working capital. Citi participated in the 12 bank syndicate, underwriting an amount of US\$ 225 million.¹²⁰

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. Citi participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 356.3 million.¹²¹

In February 2012, **Safran** issued bonds with a total value of US\$ 1,200 million. The issue was split in three tranches: a US\$ 155 million 3.700% tranche due February 2019, a US\$ 505 million 4.430% tranche due February 2024 and a US\$ 540 million 4.280% tranche due February 2022. The proceeds were used for general corporate purposes. Citi participated in the two bank syndicate, underwriting an estimated amount of US\$ 600 million.¹²²

In December 2010, **SAIC** issued bonds with a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 450 million 4.450% tranche due December 2020 and a US\$ 300 million 5.950% tranche due December 2040. The proceeds were used for repurchasing additional shares of common stock and general corporate purposes. Citi participated in the ten bank syndicate, underwriting an estimated amount of US\$ 187.5 million.¹²³

In March 2013, **Thales** issued bonds with a total value of € 800 million (US\$ 1036.7 million). The issue was split in two tranches: a € 300 million (US\$ 388.8 million) 2.250% tranche due March 2021 and a € 500 million (US\$ 647.9 million) 1.625% tranche due March 2018. The proceeds were used for general corporate purposes. Citi participated in the seven bank syndicate, underwriting an estimated amount of US\$ 148.1 million.¹²⁴

In March 2012, **ThyssenKrupp** issued bonds with a total value of € 100 million (US\$ 132.2 million) with an interest rate of 5.000% due April 2022. The proceeds were used for general corporate purposes. Citi was the sole bookrunner of the issue, underwriting the whole amount of US\$ 132.2 million.¹²⁵

In March 2013, **ThyssenKrupp** issued bonds with a total value of € 350 million (US\$ 456.8 million) with an interest rate of 4.000% due August 2018. The proceeds were used for general corporate purposes. Citi participated in the syndicate of two banks, underwriting an estimated amount of US\$ 228.4 million.¹²⁶

In February 2013, **ThyssenKrupp** issued bonds with a total value of € 1,250 million (US\$ 1669.6 million) with an interest rate of 4.000% due August 2018. The proceeds were used for general corporate purposes. Citi participated in the syndicate of four banks, underwriting an estimated amount of US\$ 417.4 million.¹²⁷

In March 2012, **URS** issued bonds with a total value of US\$ 1,000 million. The issue was split in two tranches: a US\$ 400 million 3.850% tranche due April 2017 and a US\$ 600 million 5.000% tranche due April 2022. The proceeds were used for paying fees and expenses, reducing indebtedness, acquisition and general corporate purposes. Citi participated in the four bank syndicate, underwriting an estimated amount of US\$ 250 million.¹²⁸

City National Bank

City National Bank currently has an estimated USD\$ 85.00 million invested or available for the nuclear weapons producers identified in this report.

Loans

In October 2011, **URS** entered into a US\$ 1,700 million credit facility at a base rate of LIBOR+150.000bps due October 2016. The facility was split in two tranches: a US\$ 1,000 million revolving credit facility and a US\$ 700 million term loan. The proceeds were used for refinancing bank debt and general corporate purposes. City National Bank (CNB) participated in the syndicate of 16 banks, providing an estimated amount of US\$ 85 million.¹²⁹

Columbus Circle Investors

Columbus Circle Investors currently has an estimated USD\$ 26.77 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 31 provides an overview of the nuclear weapon companies in which Columbus Circle Investors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 31 Shareholdings of Columbus Circle Investors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	0.79	26.77	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Comerica

Comerica currently has an estimated USD\$ 295.90 million invested or available for the nuclear weapons producers identified in this report.

Loans

In July 2011, **Aecom** entered into an amended revolving credit facility, with a borrowing capacity of US\$ 1,050 million at a base rate of LIBOR+150.000bps and a five-year expiration date. The proceeds would be used as working capital and for general corporate purposes. Comerica Bank was part of the ten bank syndicate, participating with an estimated US\$ 79 million.¹³⁰

In September 2011, **Aecom** secured a US\$ 600 million five-year term loan at a base rate of LIBOR+175.000bps, amending and replacing an existing credit agreement from September 2010. The proceeds were used to refinance bank debt and for general corporate purposes. Comerica Bank was part of the eleven bank syndicate and provided an estimated US\$ 33 million.¹³¹

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility with a value of US\$ 700 million at a base rate of LIBOR+250.000bps. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. Comerica Bank, part of Comerica, was part of the 17 bank syndicate, committing an estimated amount of US\$ 28 million.¹³²

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. Comerica Bank was part of the syndicate of 17 banks, participating with US\$ 25 million.¹³³

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. Comerica participated in the syndicate of 20 banks, providing an estimated amount of US\$ 45.9 million.¹³⁴

In October 2011, **URS** entered into a US\$ 1,700 million credit facility at a base rate of LIBOR+150.000bps due October 2016. The facility was split in two tranches: a US\$ 1,000 million revolving credit facility and a US\$ 700 million term loan. The proceeds were used for refinancing bank debt and general corporate purposes. Comerica participated in the syndicate of 16 banks, providing an estimated amount of US\$ 85 million.¹³⁵

Cornerstone Investment Partners

Cornerstone Investment Partners currently has an estimated USD\$ 170.32 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 32 provides an overview of the nuclear weapon companies in which Cornerstone Investment Partners owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 32 Shareholdings of Cornerstone Investment Partners

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
General Dynamics	United States	0.68	170.32	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Cowen Group

Cowen Group currently has an estimated USD\$ 30.00 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. Cowen Group participated in the 21 bank syndicate, underwriting an amount of US\$ 30 million.¹³⁶

Crestwood Capital Management

Crestwood Capital Management currently has an estimated USD\$ 27.74 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 33 provides an overview of the nuclear weapon companies in which Crestwood Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 33 Shareholdings of Crestwood Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
SAIC	United States	0.60	27.74	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

D.E. Shaw

D.E. Shaw currently has an estimated USD\$ 119.03 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 34 provides an overview of the nuclear weapon companies in which D.E. Shaw owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 34 Shareholdings of D.E. Shaw

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	1.19	37.96	31-Mar-2013
Huntington Ingalls Industries	United States	1.49	39.79	31-Mar-2013

URS	United States	1.15	41.28	31-Mar-2013
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Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

D.F. Dent & Company

D.F. Dent & Company currently has an estimated USD\$ 102.90 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 35 provides an overview of the nuclear weapon companies in which D.F. Dent & Company owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 35 Shareholdings of D.F. Dent & Company

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	1.39	102.09	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Denver Investments

Denver Investments currently has an estimated USD\$ 25.40 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 36 provides an overview of the nuclear weapon companies in which Denver Investments owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 36 Shareholdings of Denver Investments

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	0.95	25.40	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

DePrince Race & Zollo

DePrince Race & Zollo currently has an estimated USD\$ 44.73 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 37 provides an overview of the nuclear weapon companies in which DePrince Race & Zollo owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 37 Shareholdings of DePrince Race & Zollo

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
URS	United States	1.24	44.73	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Dimensional Fund Advisors

Dimensional Fund Advisors currently has an estimated USD\$ 404.87 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 38 provides an overview of the nuclear weapon companies in which Dimensional Fund Advisors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 38 Shareholdings of Dimensional Fund Advisors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	1.43	48.15	31-Mar-2013 until 30-Apr-2013
Alliant Techsystems	United States	1.27	29.60	31-Mar-2013
Babcock International	United Kingdom	0.55	33.39	1-Jun-2013
GenCorp	United States	1.58	12.72	31-Mar-2013
Huntington Ingalls Industries	United States	1.28	34.02	31-Mar-2013 until 30-Apr-2013
Nortrop Grumman	United States	1.02	168.72	31-Mar-2013 until 30-Apr-2013
URS	United States	2.18	78.27	31-Mar-2013 until 30-Apr-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Dreman Value Management

Dreman Value Management currently has an estimated USD\$ 75.57 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 39 provides an overview of the nuclear weapon companies in which Dreman Value Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 39 Shareholdings of Dreman Value Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	1.87	43.63	31-Mar-2013
GenCorp	United States	0.55	4.35	30-Apr-2013
URS	United States	0.77	27.59	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Drexel Hamilton

Drexel Hamilton currently has an estimated USD\$ 35.60 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. Drexel Hamilton participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 35.6 million.¹³⁷

Earnest Partners

Earnest Partners currently has an estimated USD\$ 94.64 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 40 provides an overview of the nuclear weapon companies in which Earnest Partners owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 40 Shareholdings of Earnest Partners

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
URS	United States	2.63	94.64	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Eaton Vance

Eaton Vance currently has an estimated USD\$ 576.78 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 41 provides an overview of the nuclear weapon companies in which Eaton Vance owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 41 Shareholdings of Eaton Vance

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Boeing	United States	0.65	424.29	31-Dec-2012 until 31-Mar-2013
Jacobs Engineering	United States	1.78	131.17	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 42 provides an overview of the nuclear weapon companies in which Eaton Vance owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 42 Bondholdings of Eaton Vance

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
GenCorp	United States	1.81	11.95	31-Jan-13 until 30-Apr-13
Huntington Ingalls Industries	United States	0.78	9.37	31-Mar-13 until 30-Apr-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Epoch Investment Partners

Epoch Investment Partners currently has an estimated USD\$ 350.75 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 43 provides an overview of the nuclear weapon companies in which Epoch Investment Partners owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 43 Shareholdings of Epoch Investment Partners

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
BAE Systems	United	0.54	94.70	14-Jan-2013

	Kingdom			
Lockheed Martin	United States	0.54	167.44	31-Mar-2013
Rockwell Collins	United States	1.03	88.61	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Evercore Partners

Evercore Partners currently has an estimated USD\$ 8,602.59 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 44 provides an overview of the nuclear weapon companies in which Evercore Partners owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 44 Shareholdings of Evercore Partners

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Boeing	United States	7.70	5,014.14	31-Mar-2013
General Dynamics	United States	8.43	2,100.90	31-Mar-2013
Honeywell International	United States	2.51	1,487.55	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Farallon Capital Management

Farallon Capital Management currently has an estimated USD\$ 122.45 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 45 provides an overview of the nuclear weapon companies in which Farallon Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 45 Shareholdings of Farallon Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Rockwell Collins	United States	1.43	122.45	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Fidelity Investments

Fidelity Investments currently has an estimated USD\$ 6,183.11 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 46 provides an overview of the nuclear weapon companies in which Fidelity Investments owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 46 Shareholdings of Fidelity Investments

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	13.77	465.76	31-Mar-2013 until 31-May-2013
Alliant Techsystems	United States	1.20	27.97	31-Mar-2013

Babcock & Wilcox	United States	0.62	19.78	31-Mar-2013
Babcock International	United Kingdom	4.99	318.26	01-Mar-2013 until 13-May-2013
BAE Systems	United Kingdom	2.16	362.12	09-Oct-2012 until 30-Apr-2013
Boeing	United States	0.89	583.64	31-Mar-2013 until 31-May-2013
Fluor	United States	2.13	228.08	31-Mar-2013 until 30-Apr-2013
General Dynamics	United States	0.75	187.72	31-Mar-2013 until 30-Apr-2013
Honeywell International	United States	2.62	1,554.38	31-Mar-2013 until 31-May-2013
Jacobs Engineering	United States	5.04	371.16	31-Mar-2013 until 30-Apr-2013
Larsen & Toubro	India	0.63	104.73	31-Mar-2013 until 31-May-2013
Rockwell Collins	United States	1.11	95.01	31-Mar-2013 until 30-Apr-2013
Rolls-Royce	United Kingdom	2.40	778.71	22-Feb-2013 until 03-Jun-2013
Safran	France	1.03	223.24	30-Apr-2013 until 31-May-2013
SAIC	United States	1.05	48.68	31-Mar-2013 until 30-Apr-2013
Serco	United Kingdom	8.83	412.56	27-Feb-2013 until 26-Jun-2013
URS	United States	7.98	286.97	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 47 provides an overview of the nuclear weapon companies in which Fidelity Investments owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 47 Bondholdings of Fidelity Investments

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	1.94	10.65	31-Oct-12 until 30-Apr-13
BAE Systems	United Kingdom	1.08	51.47	31-May-13 until 31-Dec-12
GenCorp	United States	1.16	7.64	31-Mar-13 until 30-Apr-13
Huntington Ingalls Industries	United States	3.72	44.58	30-Apr-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Fifth Third Bancorp

Fifth Third Bancorp currently has an estimated USD\$ 53.00 million invested or available for the nuclear weapons producers identified in this report.

Loans

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility with a value of US\$ 700 million at a base rate of LIBOR+250.000bps. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. Fifth Third Bank, a subsidiary of Fifth Third Bancorp, was part of the 17 bank syndicate, committing an estimated amount of US\$ 28 million.¹³⁸

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. Fifth Third Bank, a subsidiary of Fifth Third Bancorp, was part of the syndicate of 17 banks, participating with US\$ 25 million.¹³⁹

Firefly Value Partners

Firefly Value Partners currently has an estimated USD\$ 48.01 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 48 provides an overview of the nuclear weapon companies in which Firefly Value Partners owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 48 Shareholdings of Firefly Value Partners

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	1.80	48.01	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

First Commercial Bank

First Commercial Bank currently has an estimated USD\$ 30.00 million invested or available for the nuclear weapons producers identified in this report.

Loans

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. First Commercial Bank was part of the syndicate of 20 banks and provided US\$ 10 million.¹⁴⁰

In June 2013, **Aecom** entered into a US\$ 750 million five-year term loan at a base rate of LIBOR+150.000bps, a second amendment to an existing credit agreement from 2010. The proceeds were destined for capital expenditures, to repay all obligations owing under the existing credit agreement, and for other general corporate purposes. First Commercial Bank was part of the 24 bank syndicate and participated with an estimated US\$ 20 million.¹⁴¹

First Eagle

First Eagle currently has an estimated USD\$ 1,190.16 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 49 provides an overview of the nuclear weapon companies in which First Eagle owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 49 Shareholdings of First Eagle

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	15.67	365.46	31-Mar-2013
Lockheed Martin	United States	1.24	383.64	31-Mar-2013
Northrop Grumman	United States	2.58	424.99	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 50 provides an overview of the nuclear weapon companies in which First Eagle owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 50 Bondholdings of First Eagle

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
GenCorp	United States	0.82	5.41	31-Mar-13
Huntington Ingalls Industries	United States	0.89	10.66	31-Mar-13 until 31-May-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

First Manhattan

First Manhattan currently has an estimated USD\$ 47.99 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 51 provides an overview of the nuclear weapon companies in which First Manhattan owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 51 Shareholdings of First Manhattan

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Rockwell Collins	United States	0.56	47.99	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Franklin Resources

Franklin Resources currently has an estimated USD\$ 2,734.97 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 52 provides an overview of the nuclear weapon companies in which Franklin Resources owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 52 Shareholdings of Franklin Resources

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
BAE Systems	United Kingdom	5.70	1,012.91	31-Dec-2012 until 06-Jun-2013
General Dynamics	United States	0.69	167.86	31-Mar-2013
Huntington Ingalls Industries	United States	7.85	209.99	31-Mar-2013
Lockheed Martin	United States	1.35	415.53	31-Mar-2013
Nortrop Grumman	United States	0.57	94.57	31-Mar-2013
Safran	France	1.37	253.87	31-Mar-2013
SAIC	United States	1.09	50.71	31-Mar-2013
ThyssenKrupp	Germany	5.06	529.53	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Gamco Investors

Gamco Investors currently has an estimated USD\$ 640.17 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 53 provides an overview of the nuclear weapon companies in which Gamco Investors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 53 Shareholdings of Gamco Investors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	13.05	105.01	31-Mar-2013
Honeywell International	United States	0.57	338.11	31-Mar-2013
Rolls-Royce	United Kingdom	0.57	184.50	3-Jun-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 54 provides an overview of the nuclear weapon companies in which Gamco Investors owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 54 Bondholdings of Gamco Investors

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
GenCorp	United States	1.90	12.55	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

General Electric

General Electric currently has an estimated USD\$ 70.00 million invested or available for the nuclear weapons producers identified in this report.

Loans

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. GE Capital, a subsidiary of General Electric, was part of the syndicate of 20 banks and provided US\$ 70 million.¹⁴²

General Insurance Corporation of India (India)

General Insurance Corporation of India currently has an estimated USD\$ 317.19 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 55 provides an overview of the nuclear weapon companies in which General Insurance Corporation of India owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 55 Shareholdings of General Insurance Corporation of India

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Larsen & Toubro	India	2.05	317.19	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Geode Capital Management

Geode Capital Management currently has an estimated USD\$ 1,443.02 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 56 provides an overview of the nuclear weapon companies in which Geode Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 56 Shareholdings of Geode Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Boeing	United States	0.61	398.21	31-Mar-2013
Fluor	United States	0.65	70.68	31-Mar-2013
General Dynamics	United States	0.64	159.39	31-Mar-2013
Honeywell International	United States	0.67	399.44	31-Mar-2013
Jacobs Engineering	United States	0.65	47.51	31-Mar-2013
Lockheed Martin	United States	0.57	176.10	31-Mar-2013
Nortrop Grumman	United States	0.67	110.25	31-Mar-2013
Rockwell Collins	United States	0.66	56.27	31-Mar-2013
SAIC	United States	0.54	25.17	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Glenview Capital Management

Glenview Capital Management currently has an estimated USD\$ 372.93 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 57 provides an overview of the nuclear weapon companies in which Glenview Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 57 Shareholdings of Glenview Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	4.93	157.04	31-Mar-2013
URS	United States	6.00	215.89	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Goldman Sachs

Goldman Sachs currently has an estimated USD\$ 6,570.93 million invested or available for the nuclear weapons producers identified in this report.

Loans

In December 2010, **BAE Systems** secured a five-year revolving credit facility with a value of £ 2,000 million (US\$ 3,161 million). The proceeds were used for refinancing and general corporate purposes. Goldman Sachs was part of the 24 bank syndicate, committing an estimated amount of US\$ 132 million.¹⁴³

In June 2011, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 2,500 million. The facility is split in two tranches: a US\$ 1,550 million letter of credit and a US\$ 950 million revolver. The proceeds would be used to refinance debt and for working capital purposes. Goldman Sachs was part of the syndicate of 24 banks, and committed an estimated amount of US\$ 75 million.¹⁴⁴

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. Goldman Sachs was part of the syndicate of 37 banks, participating with an estimated amount of US\$ 40.7 million.¹⁴⁵

In November 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. Goldman Sachs participated in the syndicate of 35 banks, providing an estimated amount of US\$ 83.6 million.¹⁴⁶

In April 2011, **EADS** secured a five-year revolving credit facility with a value of € 3,000 million (US\$ 4,345.3 million), at a base rate of EURIBOR+37.500bps. The proceeds were used for refinancing and for general corporate purposes. Goldman Sachs participated in the 39 bank syndicate, committing an estimated amount of US\$ 111.4 million.¹⁴⁷

In March 2011, **Honeywell International** secured a five-year revolving credit facility with a value of US\$ 2,800 million. The proceeds were used for general corporate purposes. Goldman Sachs participated in the 29 bank syndicate, committing an amount of US\$ 160 million.¹⁴⁸

In April 2012, **Honeywell International** secured a US\$ 3,000 million revolving credit facility due April 2017. The proceeds were used for refinancing bank debt and general corporate purposes. Goldman Sachs participated in the 16 bank syndicate, committing an estimated amount of US\$ 182.1 million.¹⁴⁹

In August 2011, **Lockheed Martin** secured a five-year revolving credit facility with a value of US\$ 1,500 million at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. Goldman Sachs participated in the 21 bank syndicate, committing an amount of US\$ 55 million.¹⁵⁰

In September 2011, **Northrop Grumman** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+75.000bps. The facility was divided in two tranches: a US\$ 500 million tranche due September 2012 and a US\$ 1,500 million tranche due September 2016. The proceeds were used for general corporate purposes. Goldman Sachs participated in the 11 bank syndicate, committing an estimated amount of US\$ 171.4 million.¹⁵¹

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Goldman Sachs participated in the 28 bank syndicate, committing an estimated amount of US\$ 12.5 million.¹⁵²

In October 2011, **Rolls-Royce** secured a five-year revolving credit facility with a value of £ 1,000 million (US\$ 1,543.2 million). The proceeds were used to refinance two existing syndicated facilities and for general corporate purposes. Goldman Sachs participated in the 23 bank syndicate, committing an estimated amount of US\$ 46.3 million.¹⁵³

Investment banking

In October 2011, **BAE Systems** issued bonds for a total value of US\$ 1,250 million. The issue was divided in three tranches: a US\$ 500 million 4.750% tranche due October 2021, a US\$ 350 million 3.500% tranche due October 2016 and a US\$ 400 million 5.800% tranche due October 2041. The proceeds were used for general corporate purposes and to reduce indebtedness. Goldman Sachs was one of the five bookrunners, underwriting an estimated amount of US\$ 250 million.¹⁵⁴

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. Goldman Sachs participated in the syndicate of 31 banks, underwriting an amount of US\$ 22.5 million.¹⁵⁵

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. Goldman Sachs participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 65.6 million.¹⁵⁶

In December 2012, **EADS** issued new shares, raising € 1,664.1 million (US\$ 2,158.1 million). Goldman Sachs participated in the syndicate of two banks, underwriting an estimated amount of US\$ 1,079 million.¹⁵⁷

In April 2013, **EADS** issued new shares, raising € 2,261.2 million (US\$ 2,946.9 million). Goldman Sachs participated in the syndicate of two banks, underwriting an estimated amount of US\$ 1,473.5 million.¹⁵⁸

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. Goldman Sachs participated in the 21 bank syndicate, underwriting an amount of US\$ 52.5 million.¹⁵⁹

In July 2011, **Honeywell International** issued bonds with a total value of US\$ 1,400 million. The issue was split in two tranches: a US\$ 800 million 4.250% tranche due March 2021 and a US\$ 600 million 5.375% tranche due March 2041. The proceeds were used to reduce indebtedness and for general corporate purposes. Goldman Sachs participated in the 14 bank syndicate, underwriting an amount of US\$ 88.2 million.¹⁶⁰

In September 2011, **Lockheed Martin** issued bonds with a total value of US\$ 2,000 million. The issue was split in three tranches: a US\$ 500 million 2.125% tranche due September 2016, a US\$ 900 million 3.350% tranche due September 2021 and a US\$ 600 million 4.850% tranche due September 2041. The proceeds were used for general corporate purposes and to reduce indebtedness. Goldman Sachs participated in the 15 bank syndicate, underwriting an amount of US\$ 80 million.¹⁶¹

In November 2010, **Northrop Grumman** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.850% tranche due November 2015, a US\$ 300 million 5.050% tranche due November 2040 and a US\$ 700 million 3.500% tranche due March 2021. The proceeds were used for general corporate purposes, to reduce indebtedness and for working capital. Goldman Sachs participated in the 12 bank syndicate, underwriting an amount of US\$ 50 million.¹⁶²

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. Goldman Sachs participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 356.3 million.¹⁶³

In June 2013, Rolls-Royce Holdings, a subsidiary of **Rolls-Royce**, issued bonds with a total value of US\$ 1,585 million. The issue was split in two tranches: a £ 375 million (US\$ 586.5 million) 3.375% tranche due June 2026 and a € 750 million (US\$ 998.4 million) 2.125% tranche due June 2021. The proceeds were used for general corporate purposes. Goldman Sachs participated in the four bank syndicate, underwriting an estimated amount of US\$ 396.2 million.¹⁶⁴

Asset management

Table 58 provides an overview of the nuclear weapon companies in which Goldman Sachs owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 58 Shareholdings of Goldman Sachs

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Boeing	United States	1.19	776.70	31-Mar-2013
General Dynamics	United States	0.62	155.98	31-Mar-2013
Honeywell International	United States	0.72	419.49	31-Jan-2013 until 31-Mar-2013
Jacobs Engineering	United States	1.02	75.73	31-Mar-2013
Lockheed Martin	United States	0.66	203.93	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 59 provides an overview of the nuclear weapon companies in which Goldman Sachs owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 59 Bondholdings of Goldman Sachs

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	0.71	8.50	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Grantham, Mayo, Van Otterloo

Grantham, Mayo, Van Otterloo currently has an estimated USD\$ 199.66 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 60 provides an overview of the nuclear weapon companies in which Grantham, Mayo, Van Otterloo owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 60 Shareholdings of Grantham, Mayo, Van Otterloo

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
BAE Systems	United Kingdom	1.22	199.66	08-Oct-2012 until 11-Jan-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Greenlight Capital

Greenlight Capital currently has an estimated USD\$ 153.79 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 61 provides an overview of the nuclear weapon companies in which Greenlight Capital owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 61 Shareholdings of Greenlight Capital

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	1.14	38.48	31-Mar-2013
Babcock & Wilcox	United States	3.62	115.31	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Guardian Life Insurance Company of America

Guardian Life Insurance Company of America currently has an estimated USD\$ 128.24 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 62 provides an overview of the nuclear weapon companies in which Guardian Life Insurance Company of America owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 62 Shareholdings of Guardian Life Insurance Company of America

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	3.20	85.64	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 63 provides an overview of the nuclear weapon companies in which Guardian Life Insurance Company of America owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 63 Bondholdings of Guardian Life Insurance Company of America

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	2.48	13.60	31-Mar-13
Fluor	United States	1.33	7.00	31-Mar-13
URS	United States	1.89	22.00	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Guggenheim Capital

Guggenheim Capital currently has an estimated USD\$ 116.32 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 64 provides an overview of the nuclear weapon companies in which Guggenheim Capital owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 64 Shareholdings of Guggenheim Capital

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	0.73	23.19	31-Mar-2013
URS	United States	2.42	87.19	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 65 provides an overview of the nuclear weapon companies in which Guggenheim Capital owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 65 Bondholdings of Guggenheim Capital

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	0.50	5.94	30-Jun-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Hancock Holding

Hancock Holding currently has an estimated USD\$ 53.00 million invested or available for the nuclear weapons producers identified in this report.

Loans

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility with a value of US\$ 700 million at a base rate of LIBOR+250.000bps. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. Whitney National Bank, a subsidiary of Hancock Holding, was part of the 17 bank syndicate, committing an estimated amount of US\$ 28 million.¹⁶⁵

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. Whitney National Bank, a subsidiary of Hancock Holding, was part of the syndicate of 17 banks, participating with US\$ 25 million.¹⁶⁶

Heartland Financial

Heartland Financial currently has an estimated USD\$ 35.28 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 66 provides an overview of the nuclear weapon companies in which Heartland Financial owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 66 Shareholdings of Heartland Financial

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
URS	United States	0.98	35.28	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Hirzel Capital Management

Hirzel Capital Management currently has an estimated USD\$ 21.31 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 67 provides an overview of the nuclear weapon companies in which Hirzel Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 67 Shareholdings of Hirzel Capital Management

Company	Country	% of all	Value (US\$)	Filing date (range)
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		outstanding shares	mln)	
GenCorp	United States	2.65	21.31	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Hotchkiss and Wiley Capital Management

Hotchkiss and Wiley Capital Management currently has an estimated USD\$ 509.07 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 68 provides an overview of the nuclear weapon companies in which Hotchkiss and Wiley Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 68 Shareholdings of Hotchkiss and Wiley Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	3.01	70.16	31-Mar-2013
Huntington Ingalls Industries	United States	3.45	92.25	31-Mar-2013
Lockheed Martin	United States	0.82	254.86	31-Mar-2013
Northrop Grumman	United States	0.52	85.63	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 69 provides an overview of the nuclear weapon companies in which Hotchkiss and Wiley Capital Management owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 69 Bondholdings of Hotchkiss and Wiley Capital Management

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	0.51	6.17	31-May-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

ICC Capital Management

ICC Capital Management currently has an estimated USD\$ 20.88 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 70 provides an overview of the nuclear weapon companies in which ICC Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 70 Shareholdings of ICC Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
URS	United States	0.58	20.88	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Independence Capital Asset Partners

Independence Capital Asset Partners currently has an estimated USD\$ 14.62 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 71 provides an overview of the nuclear weapon companies in which Independence Capital Asset Partners owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 71 Shareholdings of Independence Capital Asset Partners

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	0.63	14.62	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

International Value Advisors

International Value Advisors currently has an estimated USD\$ 60.04 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 72 provides an overview of the nuclear weapon companies in which International Value Advisors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 72 Shareholdings of International Value Advisors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Thales	France	0.86	60.04	31-Dec-2012

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Invesco

Invesco currently has an estimated USD\$ 6,176.41million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 73 provides an overview of the nuclear weapon companies in which Invesco owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 73 Shareholdings of Invesco

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	0.73	17.01	31-Mar-2013
Babcock & Wilcox	United States	1.74	55.47	31-Mar-2013
BAE Systems	United Kingdom	14.46	2,562.23	31-Dec-2012 until 31-May-2013
EADS	Netherlands	0.50	127.39	13-Sep-2012 until 31-May-2013
Fluor	United States	0.65	70.37	31-Mar-2013
GenCorp	United States	0.54	4.34	31-Mar-2013
General Dynamics	United States	1.26	315.04	31-Mar-2013
Lockheed Martin	United States	0.58	179.00	31-Mar-2013

Northrop Grumman	United States	1.13	185.87	31-Mar-2013
Rolls-Royce	United Kingdom	6.93	2,032.70	08-Feb-2013 until 31-May-2013
SAIC	United States	0.57	26.56	31-Mar-2013
Serco	United Kingdom	12.05	573.08	25-Mar-2013 until 31-May-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 74 provides an overview of the nuclear weapon companies in which Invesco owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 74 Bondholdings of Invesco

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	1.12	6.15	30-Jun-13
GenCorp	United States	1.01	6.67	31-Mar-13
Huntington Ingalls Industries	United States	0.53	6.36	31-Mar-13 until 30-Jun-13
URS	United States	0.70	8.17	31-Mar-13 until 31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Ionic Capital Management

Ionic Capital Management currently has an estimated USD\$ 8.96 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 75 provides an overview of the nuclear weapon companies in which Ionic Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 75 Shareholdings of Ionic Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	0.55	4.46	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 76 provides an overview of the nuclear weapon companies in which Ionic Capital Management owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 76 Bondholdings of Ionic Capital Management

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
GenCorp	United States	0.68	4.50	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Iridian Asset Management

Iridian Asset Management currently has an estimated USD\$ 195.78 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 77 provides an overview of the nuclear weapon companies in which Iridian Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 77 Shareholdings of Iridian Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	4.98	116.11	31-Mar-2013
SAIC	United States	1.72	79.67	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Jacobs Levy Equity Management

Jacobs Levy Equity Management currently has an estimated USD\$ 49.87 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 78 provides an overview of the nuclear weapon companies in which Jacobs Levy Equity Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 78 Shareholdings of Jacobs Levy Equity Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	0.76	20.26	31-Mar-2013
URS	United States	0.82	29.61	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Janus Capital Group

Janus Capital Group currently has an estimated USD\$ 962.66 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 79 provides an overview of the nuclear weapon companies in which Janus Capital Group owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 79 Shareholdings of Janus Capital Group

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	2.74	87.32	31-Mar-2013
General Dynamics	United States	0.60	149.52	31-Mar-2013
Jacobs Engineering	United States	3.07	225.72	31-Mar-2013
Northrop Grumman	United States	0.66	108.40	31-Mar-2013
Rockwell Collins	United States	1.33	113.52	31-Mar-2013
ThyssenKrupp	Germany	1.78	185.79	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 80 provides an overview of the nuclear weapon companies in which Janus Capital Group owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 80 Bondholdings of Janus Capital Group

Company	Country	% of all outstanding	Value (US\$	Filing date
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		bonds	mln)	(range)
URS	United States	7.93	92.39	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Joley Corporation

Joley Corporation currently has an estimated USD\$ 77.96 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 81 provides an overview of the nuclear weapon companies in which Joley Corporation owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 81 Shareholdings of Joley Corporation

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	1.54	49.14	31-Mar-2013
GenCorp	United States	3.58	28.82	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

JP Morgan Chase

JP Morgan Chase currently has an estimated USD\$ 11,880.22 million invested or available for the nuclear weapons producers identified in this report.

Loans

In September 2010, **Aecom** secured a US\$600 million four-year term credit agreement at a base rate of LIBOR+250.000bps. The proceeds were used for general corporate purposes, to increase working capital, for refinancing and acquisition needs. Under the credit agreement, Aecom borrowed US\$ 600 million in term loans and may borrow up to an additional \$100 million in term loans upon request subject to certain conditions. JP Morgan Chase was part of the ten bank syndicate and provided an estimated US\$ 45 million.¹⁶⁷

In July 2011, **Aecom** entered into an amended revolving credit facility, with a borrowing capacity of US\$ 1,050 million at a base rate of LIBOR+150.000bps and a five-year expiration date. The proceeds would be used as working capital and for general corporate purposes. JP Morgan Chase was part of the ten bank syndicate, participating with an estimated US\$ 79 million.¹⁶⁸

In September 2011, **Aecom** secured a US\$ 600 million five-year term loan at a base rate of LIBOR+175.000bps, amending and replacing an existing credit agreement from September 2010. The proceeds were used to refinance bank debt and for general corporate purposes. JP Morgan Chase was part of the eleven bank syndicate and provided an estimated US\$ 33 million.¹⁶⁹

In June 2013, **Aecom** entered into a US\$ 750 million five-year term loan at a base rate of LIBOR+150.000bps, a second amendment to an existing credit agreement from 2010. The proceeds were destined for capital expenditures, to repay all obligations owing under the existing credit agreement, and for other general corporate purposes. JP Morgan Chase was part of the 24 bank syndicate and participated with an estimated US\$ 20 million.¹⁷⁰

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. JP Morgan Chase was part of the syndicate of 20 banks and provided US\$ 35 million.¹⁷¹

In September 2012, **Alliant Techsystems** secured a US\$ 200 million five-year credit facility at a base rate of LIBOR+225.000bps. The proceeds were used for refinancing and for general corporate

purposes. JP Morgan Chase participated in the syndicate of 13 banks and provided an estimated US\$ 13 million.¹⁷²

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility at a base rate of LIBOR+250.000bps with a value of US\$ 700 million. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. JP Morgan Chase was one of three bookrunners in the 17 bank syndicate and committing an estimated amount of US\$ 93 million.¹⁷³

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. JP Morgan Chase was one of the four bookrunners in a syndicate of 17 banks, participating with US\$ 62.5 million.¹⁷⁴

In March 2010, **Babcock International** secured a £ 400 million (US\$ 601 million) bridge loan due October 2011. The company also entered into a £ 600 million (US\$ 902 million) backstop facility which was comprised of a £ 305 million (US\$ 459 million) revolver due June 2012 and a £ 295 million (US\$ 443 million) term loan due March 2011. The proceeds of the facilities were used to back the company's £ 1.3 billion (US\$ 2.0 billion) bid for VT Group, a British defence and services company. The acquisition was completed in June 2010. JP Morgan Chase was one of two bookrunners in the six bank syndicate, providing an estimated US\$ 300 million.¹⁷⁵

In June 2011, **Babcock International** secured a £ 500 million (US\$ 810 million) five-year credit facility. The proceeds were used for refinancing and general corporate purposes. JP Morgan Chase was one of seven bookrunners in the syndicate of ten banks, providing an estimated US\$ 81 million.¹⁷⁶

In December 2010, **BAE Systems** secured a five-year revolving credit facility with a value of £ 2,000 million (US\$ 3,161 million). The proceeds were used for refinancing and general corporate purposes. JP Morgan Chase was part of the 24 bank syndicate, committing an estimated amount of US\$ 132 million.¹⁷⁷

In July 2012, **Bechtel** signed five-year revolving credit facility with a value of US\$ 975 million. The proceeds would be used for general corporate purposes. JP Morgan Chase participated in the syndicate of six banks, and committed an estimated amount of US\$ 146 million.¹⁷⁸

In June 2013, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 3,000 million. The facility is an extension of the US\$ 975 million revolving credit from July 2012 and is split in two tranches: a US\$ 1,000 million revolver at a base rate of LIBOR+100.000bps, and a US\$ 2,000 million revolver at a base rate of LIBOR+55.000bps. The proceeds would be used for refinancing and general corporate purposes. JP Morgan Chase participated in the syndicate of eight banks, and committed an estimated amount of US\$ 300 million.¹⁷⁹

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. JP Morgan Chase was one of two bookrunners in the syndicate of 37 banks, participating with an estimated amount of US\$ 475.2 million.¹⁸⁰

In November 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. JP Morgan Chase was one of two bookrunners in the syndicate of 35 banks, providing an estimated amount of US\$ 920 million.¹⁸¹

In October 2012, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a US\$ 2,300 million tranche due October 2013 at a base rate of LIBOR+82.500bps and a US\$ 2,300 million tranche due October 2017 at a base rate of LIBOR+79.500bps, which replaced the loan secured in November 2011. The proceeds were used for

refinancing bank debt and general corporate purposes. JP Morgan Chase was one of two bookrunners in the syndicate of four banks, providing an estimated amount of US\$ 1,380 million.¹⁸²

In December 2010, **CH2M Hill** secured a US\$ 600 million revolving credit facility due December 2015 at a base rate of LIBOR+150.000bps. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the five bank syndicate, committing an estimated amount of US\$ 120 million.¹⁸³

In April 2012, **CH2M Hill** signed a US\$ 900 million revolving credit facility due April 2017 at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. JP Morgan Chase participated in the nine bank syndicate, committing an estimated amount of US\$ 135 million.¹⁸⁴

In April 2011, **EADS** secured a five-year revolving credit facility with a value of € 3,000 million (US\$ 4,345.3 million), at a base rate of EURIBOR+37.500bps. The proceeds were used for refinancing and for general corporate purposes. JP Morgan Chase participated in the 39 bank syndicate, committing an estimated amount of US\$ 111.4 million.¹⁸⁵

In December 2010, **Fluor** entered into a US\$ 2,000 million credit facility. The facility was split in two tranches: a US\$ 800 million tranche due December 2013 at a base rate of LIBOR+100.000bps and a US\$ 1,200 million tranche due December 2015 at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the syndicate of ten banks, providing an estimated amount of US\$ 150 million.¹⁸⁶

In July 2010, **General Dynamics** secured a three-year revolving credit facility with a value of US\$ 1,000 million at a base rate of LIBOR+50.000bps. The proceeds were used to refinance the loan secured in July 2009 and to provide a backup for commercial paper. JP Morgan Chase participated in the 21 bank syndicate, committing an estimated amount of US\$ 80 million.¹⁸⁷

In July 2011, **General Dynamics** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+37.500bps. The facility was split in two tranches: a US\$ 1,000 million tranche due July 2016 and a US\$ 1,000 million tranche due July 2013, which replaced the loan secured in July 2010. The proceeds were used for refinancing and for general corporate purposes. JP Morgan Chase participated in the 22 bank syndicate, committing an estimated amount of US\$ 160 million.¹⁸⁸

In June 2013, **General Dynamics** entered into a US\$ 1,000 million revolving credit facility due June 2018 at a base rate of LIBOR+87.500bps. The proceeds were used for refinancing. JP Morgan Chase participated in the seven bank syndicate, committing an estimated amount of US\$ 142.9 million.¹⁸⁹

In March 2011, **Honeywell International** secured a five-year revolving credit facility with a value of US\$ 2,800 million. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the 29 bank syndicate, committing an amount of US\$ 215 million.¹⁹⁰

In April 2012, **Honeywell International** secured a US\$ 3,000 million revolving credit facility due April 2017. The proceeds were used for refinancing bank debt and general corporate purposes. JP Morgan Chase participated in the 16 bank syndicate, committing an amount of US\$ 225 million.¹⁹¹

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the syndicate of 20 banks, providing an estimated amount of US\$ 122.5 million.¹⁹²

In August 2011, **Lockheed Martin** secured a five-year revolving credit facility with a value of US\$ 1,500 million at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the 21 bank syndicate, committing an amount of US\$ 120 million.¹⁹³

In September 2011, **Northrop Grumman** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+75.000bps. The facility was divided in two tranches: a US\$ 500 million tranche due September 2012 and a US\$ 1,500 million tranche due September 2016. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the 11 bank syndicate, committing an estimated amount of US\$ 200 million.¹⁹⁴

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. JP Morgan Chase participated in the 28 bank syndicate, committing an estimated amount of US\$ 50 million.¹⁹⁵

In May 2011, **Rockwell Collins** entered into a US\$ 850 million five-year unsecured revolving credit at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes, acquisition and refinancing debt. JP Morgan Chase was part of the syndicate of 12 banks, participating with an amount of US\$ 105 million.¹⁹⁶

In May 2011, Rolls-Royce & Partners Finance, a subsidiary of **Rolls-Royce**, entered into a US\$ 1,050 million term loan due May 2014. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the 19 bank syndicate, committing an estimated amount of US\$ 55.3 million.¹⁹⁷

In October 2011, **Rolls-Royce** secured a five-year revolving credit facility with a value of £ 1,000 million (US\$ 1,543.2 million). The proceeds were used to refinance two existing syndicated facilities and for general corporate purposes. JP Morgan Chase participated in the 23 bank syndicate, committing an estimated amount of US\$ 46.3 million.¹⁹⁸

In March 2012, **Serco** secured a £ 730 million (US\$ 1,159.39 million) revolving credit facility due March 2017. The proceeds were used for refinancing the company's existing US\$ 500 million and £ 400 million credit facilities and certain other bilateral facilities, and for general corporate purposes. JP Morgan Chase was part of the syndicate of 16 banks, participating with an estimated amount of US\$ 72.5 million.¹⁹⁹

Investment banking

In March 2011, **Babcock International** issued US\$ 650 million worth of loan notes on the US private placement market. The issue comprised US\$ 150 million seven-year 4.940% notes and US\$ 500 million ten-year 5.640% notes. The proceeds were swapped into pound sterling and used to repay the bridge loan facility secured by the company in March 2010. JP Morgan Chase acted as one of the two bookrunners, underwriting an estimated amount of US\$ 325 million.²⁰⁰

In October 2011, **BAE Systems** issued bonds for a total value of US\$ 1,250 million. The issue was divided in three tranches: a US\$ 500 million 4.750% tranche due October 2021, a US\$ 350 million 3.500% tranche due October 2016 and a US\$ 400 million 5.800% tranche due October 2041. The proceeds were used for general corporate purposes and to reduce indebtedness. JP Morgan Chase was one of the five bookrunners, underwriting an estimated amount of US\$ 250 million.²⁰¹

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. JP Morgan Chase participated in the syndicate of 31 banks, underwriting an amount of US\$ 81.7 million.²⁰²

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 65.6 million.²⁰³

In April 2013, EADS Finance, a subsidiary of **EADS**, issued bonds with a total value of US\$ 1,000 million with an interest rate of 2.700% due April 2023. The proceeds were used for general corporate

purposes. JP Morgan Chase participated in the syndicate of six banks, underwriting an estimated amount of US\$ 166.7 million.²⁰⁴

In September 2011, **Fluor** issued bonds with a total value of US\$ 500 million with an interest rate of 3.375% due September 2021. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the syndicate of 17 banks, underwriting an amount of US\$ 15 million.²⁰⁵

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the 21 bank syndicate, underwriting an amount of US\$ 180 million.²⁰⁶

In November 2012, **General Dynamics** issued bonds with a total value of US\$ 2,400 million. The issue was split in three tranches: a US\$ 1,000 million 2.250% tranche due November 2022, a US\$ 900 million 1.000% tranche due November 2017 and a US\$ 500 million 3.600% tranche due November 2042. The proceeds were used for reduce indebtedness and general corporate purposes. JP Morgan Chase participated in the 18 bank syndicate, underwriting an amount of US\$ 336 million.²⁰⁷

In July 2011, **Honeywell International** issued bonds with a total value of US\$ 1,400 million. The issue was split in two tranches: a US\$ 800 million 4.250% tranche due March 2021 and a US\$ 600 million 5.375% tranche due March 2041. The proceeds were used for reduce indebtedness and general corporate purposes. JP Morgan Chase participated in the 14 bank syndicate, underwriting an amount of US\$ 88.2 million.²⁰⁸

In March 2011, **Huntington Ingalls Industries** issued bonds with a total value of US\$ 1,200 million. The issue was split in two tranches: a US\$ 600 million 7.125% tranche due March 2021 and a US\$ 600 million 6.875% tranche due March 2016. The proceeds were used for general corporate purposes. JP Morgan Chase participated in the 13 bank syndicate, underwriting an estimated amount of US\$ 225 million.²⁰⁹

In September 2011, **Lockheed Martin** issued bonds with a total value of US\$ 2,000 million. The issue was split in three tranches: a US\$ 500 million 2.125% tranche due September 2016, a US\$ 900 million 3.350% tranche due September 2021 and a US\$ 600 million 4.850% tranche due September 2041. The proceeds were used for general corporate purposes and to reduce indebtedness. JP Morgan Chase participated in the 15 bank syndicate, underwriting an amount of US\$ 410 million.²¹⁰

In November 2010, **Northrop Grumman** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.850% tranche due November 2015, a US\$ 300 million 5.050% tranche due November 2040 and a US\$ 700 million 3.500% tranche due March 2021. The proceeds were used for general corporate purposes, to reduce indebtedness and for working capital. JP Morgan Chase participated in the 12 bank syndicate, underwriting an amount of US\$ 225 million.²¹¹

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. JP Morgan Chase participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 356.3 million.²¹²

Asset management

Table 82 provides an overview of the nuclear weapon companies in which JP Morgan Chase owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 82 Shareholdings of JP Morgan Chase

Company	Country	% of all	Value (US\$)	Filing date (range)
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		outstanding shares	mln)	
Aecom	United States	1.78	60.33	31-Mar-2013 until 30-Apr-2013
Alliant Techsystems	United States	4.35	101.64	31-Mar-2013
Babcock International	United Kingdom	3.15	201.28	31-Dec-2012 until 13-May-2013
BAE Systems	United Kingdom	0.52	99.25	31-Dec-2012 until 06-Jun-2013
Fluor	United States	10.32	1,113.96	31-Mar-2013 until 31-May-2013
GenCorp	United States	1.51	12.07	31-Mar-2013
General Dynamics	United States	0.61	154.73	31-Mar-2013
Honeywell International	United States	2.51	1,488.21	31-Mar-2013 until 31-May-2013
Huntington Ingalls Industries	United States	1.76	46.93	31-Mar-2013
Larsen & Toubro*	India	0.55	85.98	30-Apr-2013 until 31-May-2013
Lockheed Martin	United States	0.77	239.89	31-Mar-2013
URS	United States	0.52	18.38	31-Mar-2013 until 30-Apr-2013

* Including Larsen and Toubro Sponsored GDR Representing 1 Ordinary Share

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 83 provides an overview of the nuclear weapon companies in which JP Morgan Chase owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 83 Bondholdings of JP Morgan Chase

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	1.81	9.94	30-Apr-13
Fluor	United States	1.22	6.41	31-Aug-12 until 30-Apr-13
GenCorp	United States	10.05	66.32	31-Mar-13 until 30-Apr-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Kennedy Capital Management

Kennedy Capital Management currently has an estimated USD\$ 4.05 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 84 provides an overview of the nuclear weapon companies in which Kennedy Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 84 Shareholdings of Kennedy Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	0.50	4.05	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Kestrel Investment Management

Kestrel Investment Management currently has an estimated USD\$ 26.97 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 85 provides an overview of the nuclear weapon companies in which Kestrel Investment Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 85 Shareholdings of Kestrel Investment Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	1.01	26.97	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

KeyCorp

KeyCorp currently has an estimated USD\$ 111.41 million invested or available for the nuclear weapons producers identified in this report.

Loans

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. KeyBank, a subsidiary of KeyCorp, was part of the syndicate of 20 banks and provided US\$ 50 million.²¹³

In September 2011, **Aecom** secured a US\$ 600 million five-year term loan at a base rate of LIBOR+175.000bps, amending and replacing an existing credit agreement from September 2010. The proceeds were used to refinance bank debt and for general corporate purposes. KeyBank, a subsidiary of KeyCorp, was part of the eleven bank syndicate and provided an estimated US\$ 33 million.²¹⁴

In June 2013, **Aecom** entered into a US\$ 750 million five-year term loan at a base rate of LIBOR+150.000bps, a second amendment to an existing credit agreement from 2010. The proceeds were destined for capital expenditures, to repay all obligations owing under the existing credit agreement, and for other general corporate purposes. KeyBank, a subsidiary of KeyCorp, was part of the 24 bank syndicate and participated with an estimated US\$ 20 million.²¹⁵

In May 2011, **Rockwell Collins** entered into a US\$ 850 million five-year unsecured revolving credit at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes, acquisition and refinancing debt. KeyBank, a subsidiary of KeyCorp, was part of the syndicate of 12 banks, participating with an amount of US\$ 60 million.²¹⁶

Asset management

Table 86 provides an overview of the nuclear weapon companies in which KeyCorp owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 86 Bondholdings of KeyCorp

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Fluor	United States	1.60	8.41	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Kingstown Capital Management

Kingstown currently has an estimated USD\$ 51.69 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 87 provides an overview of the nuclear weapon companies in which Kingstown Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 87 Shareholdings of Kingstown Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	0.89	28.41	31-Mar-2013
GenCorp	United States	2.89	23.28	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Lakewood Capital Management

Lakewood Capital Management currently has an estimated USD\$ 43.73 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 88 provides an overview of the nuclear weapon companies in which Lakewood Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 88 Shareholdings of Lakewood Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	1.37	43.73	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Lawson Kroeker Investment Management

Lawson Kroeker Investment Management currently has an estimated USD\$ 7.00 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 89 provides an overview of the nuclear weapon companies in which Lawson Kroeker Investment Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 89 Shareholdings of Lawson Kroeker Investment Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	0.87	7.00	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Lazard Capital Markets

Lazard Capital Markets currently has an estimated USD\$ 513.55 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. Lazard Capital Markets participated in the 21 bank syndicate, underwriting an amount of US\$ 52.5 million.²¹⁷

Asset management

Table 90 provides an overview of the nuclear weapon companies in which Lazard Capital Markets owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 90 Shareholdings of Lazard Capital Markets

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Honeywell International	United States	0.72	428.84	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 91 provides an overview of the nuclear weapon companies in which Lazard Capital Markets owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 91 Bondholdings of Lazard Capital Markets

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	1.82	10.00	31-Mar-13
GenCorp	United States	3.36	22.21	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Legg Mason

Legg Mason currently has an estimated USD\$ 1,039.07 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 92 provides an overview of the nuclear weapon companies in which Legg Mason owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 92 Shareholdings of Legg Mason

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	0.82	19.41	31-Mar-2013
Fluor	United States	3.59	388.16	31-Mar-2013
GenCorp	United States	1.60	12.85	31-Mar-2013
Honeywell International	United States	0.76	451.57	31-Mar-2013
Jacobs Engineering	United States	1.46	107.45	31-Mar-2013
URS	United States	1.43	51.32	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 93 provides an overview of the nuclear weapon companies in which Legg Mason owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 93 Bondholdings of Legg Mason

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
GenCorp	United States	1.26	8.31	31-Mar-13 until 31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Lioneye Capital

Lioneye Capital currently has an estimated USD\$ 4.26 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 94 provides an overview of the nuclear weapon companies in which Lioneye Capital owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 94 Shareholdings of Lioneye Capital

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	0.53	4.26	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Longview Asset Management

Longview Asset Management currently has an estimated USD\$ 2,354.97 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 95 provides an overview of the nuclear weapon companies in which Longview Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 95 Shareholdings of Longview Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
General Dynamics	United States	9.46	2,354.97	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Loop Capital

Loop Capital currently has an estimated USD\$ 11.50 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. Loop Capital participated in the syndicate of 31 banks, underwriting an amount of US\$ 7.5 million.²¹⁸

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. Loop Capital participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 4 million.²¹⁹

Lord, Abnett & Co

Lord, Abnett & Co currently has an estimated USD\$ 646.87 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 96 provides an overview of the nuclear weapon companies in which Lord, Abnett & Co owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 96 Shareholdings of Lord, Abnett & Co

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	3.59	264.21	31-Mar-2013
URS	United States	8.38	301.37	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 97 provides an overview of the nuclear weapon companies in which Lord, Abnett & Co owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 97 Bondholdings of Lord, Abnett & Co

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
GenCorp	United States	4.08	26.93	31-Mar-13 until 31-May-13
Huntington Ingalls Industries	United States	1.38	16.60	31-Mar-13 until 30-Jun-13
URS	United States	3.24	37.76	31-Mar-13 until 31-May-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

LSV Asset Management

LSV Asset Management currently has an estimated USD\$ 838.34 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 98 provides an overview of the nuclear weapon companies in which LSV Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 98 Shareholdings of LSV Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	1.66	38.63	31-Mar-2013
BAE Systems	United Kingdom	1.01	164.44	4-Oct-2012
Lockheed Martin	United States	0.59	182.67	31-Mar-2013
Nortrop Grumman	United States	1.84	303.49	31-Mar-2013
SAIC	United States	2.28	105.73	31-Mar-2013
URS	United States	1.21	43.38	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Luther King Capital Management

Luther King Capital Management currently has an estimated USD\$ 57.11 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 99 provides an overview of the nuclear weapon companies in which Luther King Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 99 Shareholdings of Luther King Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Rockwell Collins	United States	0.67	57.11	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

M&T Bank

M&T Bank currently has an estimated USD\$ 85.00million invested or available for the nuclear weapons producers identified in this report.

Loans

In October 2011, **URS** entered into a US\$ 1,700 million credit facility at a base rate of LIBOR+150.000bps due October 2016. The facility was split in two tranches: a US\$ 1,000 million revolving credit facility and a US\$ 700 million term loan. The proceeds were used for refinancing bank debt and general corporate purposes. M&T Bank participated in the syndicate of 16 banks, providing an estimated amount of US\$ 85 million.²²⁰

Madison Investment Advisors

Madison Investment Advisors currently has an estimated USD\$ 51.55 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 100 provides an overview of the nuclear weapon companies in which Madison Investment Advisors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 100 Shareholdings of Madison Investment Advisors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	0.70	51.55	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Managed Account Advisors

Managed Account Advisors currently has an estimated USD\$ 554.22 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 101 provides an overview of the nuclear weapon companies in which Managed Account Advisors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 101 Shareholdings of Managed Account Advisors

Company	Country	% of all outstanding	Value (US\$ mln)	Filing date (range)
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		shares		
Alliant Techsystems	United States	0.69	16.07	31-Mar-2013
Babcock & Wilcox	United States	0.63	20.09	31-Mar-2013
Fluor	United States	0.52	56.23	31-Mar-2013
General Dynamics	United States	0.59	146.48	31-Mar-2013
Lockheed Martin	United States	0.63	193.41	31-Mar-2013
Nortrop Grumman	United States	0.74	121.94	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Marcato Capital Management

Marcato Capital Management currently has an estimated USD\$ 76.67 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 102 provides an overview of the nuclear weapon companies in which Marcato Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 102 Shareholdings of Marcato Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	9.53	76.67	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Mason Capital Management

Mason Capital Management currently has an estimated USD\$ 337.93 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 103 provides an overview of the nuclear weapon companies in which Mason Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 103 Shareholdings of Mason Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	10.60	337.93	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Mayo Investment Advisors

Mayo Investment Advisors currently has an estimated USD\$ 53.29 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 104 provides an overview of the nuclear weapon companies in which Mayo Investment Advisors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 104 Shareholdings of Mayo Investment Advisors

Company	Country	% of all outstanding	Value (US\$ mln)	Filing date (range)
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		shares		
SAIC	United States	1.15	53.29	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Mercator Asset Management

Mercator Asset Management currently has an estimated USD\$ 124.87 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 105 provides an overview of the nuclear weapon companies in which Mercator Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 105 Shareholdings of Mercator Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
BAE Systems	United Kingdom	0.72	124.87	13-Jan-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

MFP Investors

MFP Investors currently has an estimated USD\$ 10.16 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 106 provides an overview of the nuclear weapon companies in which MFP Investors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 106 Shareholdings of MFP Investors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	1.26	10.16	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Millennium Management

Millennium Management currently has an estimated USD\$ 18.01 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 107 provides an overview of the nuclear weapon companies in which Millennium Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 107 Shareholdings of Millennium Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	0.56	18.01	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Mischler Financial Group

Mischler Financial Group currently has an estimated USD\$ 35.60 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. Mischler Financial Group participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 35.6 million.²²¹

Morgan Stanley

Morgan Stanley currently has an estimated USD\$ 5,197.90 million invested or available for the nuclear weapons producers identified in this report.

Loans

In July 2011, **Aecom** entered into an amended revolving credit facility, with a borrowing capacity of US\$ 1,050 million at a base rate of LIBOR+150.000bps and a five-year expiration date. The proceeds would be used as working capital and for general corporate purposes. Morgan Stanley was part of the ten bank syndicate, participating with an estimated US\$ 79 million.²²²

In September 2011, **Aecom** secured a US\$ 600 million five-year term loan at a base rate of LIBOR+175.000bps, amending and replacing an existing credit agreement from September 2010. The proceeds were used to refinance bank debt and for general corporate purposes. Morgan Stanley was part of the eleven bank syndicate and provided an estimated US\$ 33 million.²²³

In December 2010, **BAE Systems** secured a five-year revolving credit facility with a value of £ 2,000 million (US\$ 3,161 million). The proceeds were used for refinancing and general corporate purposes. Morgan Stanley was part of the 24 bank syndicate, committing an estimated amount of US\$ 132 million.²²⁴

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. Morgan Stanley was part of the syndicate of 37 banks, participating with an estimated amount of US\$ 40.7 million.²²⁵

In November 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. Morgan Stanley participated in the syndicate of 35 banks, providing an estimated amount of US\$ 83.6 million.²²⁶

In April 2011, **EADS** secured a five-year revolving credit facility with a value of € 3,000 million (US\$ 4,345.3 million), at a base rate of EURIBOR+37.500bps. The proceeds were used for refinancing and for general corporate purposes. Morgan Stanley participated in the 39 bank syndicate, committing an estimated amount of US\$ 111.4 million.²²⁷

In November 2011, **GenCorp** entered into a US\$ 200 million revolving credit facility due November 2016 at a base rate of LIBOR+325.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Morgan Stanley participated in the five bank syndicate, committing an estimated amount of US\$ 40 million.²²⁸

In August 2012, **GenCorp** secured a US\$ 50 million amended delayed draw term loan due August 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for refinancing bank debt.

Morgan Stanley participated in the four bank syndicate, committing an estimated amount of US\$ 12.5 million.²²⁹

In March 2011, **Honeywell International** secured a five-year revolving credit facility with a value of US\$ 2,800 million. The proceeds were used for general corporate purposes. Morgan Stanley participated in the 29 bank syndicate, committing an amount of US\$ 70 million.²³⁰

In April 2012, **Honeywell International** secured a US\$ 3,000 million revolving credit facility due April 2017. The proceeds were used for refinancing bank debt and general corporate purposes. Morgan Stanley participated in the 16 bank syndicate, committing an estimated amount of US\$ 182.1 million.²³¹

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. Morgan Stanley participated in the syndicate of 20 banks, providing an estimated amount of US\$ 45.9 million.²³²

In August 2011, **Lockheed Martin** secured a five-year revolving credit facility with a value of US\$ 1,500 million at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. Morgan Stanley participated in the 21 bank syndicate, committing an amount of US\$ 55 million.²³³

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Morgan Stanley participated in the 28 bank syndicate, committing an estimated amount of US\$ 12.5 million.²³⁴

In March 2011, **SAIC** signed a US\$ 750 million revolving credit facility due March 2015 at a base rate of LIBOR+120.000bps. The proceeds were used for general corporate purposes and refinancing of a 2007 loan. Morgan Stanley was part of the syndicate of nine banks, participating with an estimated amount of US\$ 64.3 million.²³⁵

In February 2012, **SAIC** entered into a US\$ 750 million revolving credit facility due February 2016 at a base rate of LIBOR+120.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Morgan Stanley was part of the syndicate of six banks, participating with an estimated amount of US\$ 112.5 million.²³⁶

In April 2013, **SAIC** secured a US\$ 750 million revolving credit facility due April 2017 at a base rate of LIBOR+120.000bps. The proceeds were used for refinancing bank debt. Morgan Stanley was part of the syndicate of six banks, participating with an estimated amount of US\$ 112.5 million.²³⁷

In March 2012, **URS** entered into a US\$ 500 million bridge loan due March 2013 at a base rate of LIBOR+175.000bps. The proceeds will be used for future acquisitions. Morgan Stanley was part of the syndicate of ten banks, participating with an estimated amount of US\$ 66.7 million.²³⁸

Investment banking

In October 2011, **BAE Systems** issued bonds for a total value of US\$ 1,250 million. The issue was divided in three tranches: a US\$ 500 million 4.750% tranche due October 2021, a US\$ 350 million 3.500% tranche due October 2016 and a US\$ 400 million 5.800% tranche due October 2041. The proceeds were used for general corporate purposes and to reduce indebtedness. Morgan Stanley was one of the five bookrunners, underwriting an estimated amount of US\$ 250 million.²³⁹

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. Morgan Stanley participated in the syndicate of 31 banks, underwriting an amount of US\$ 22.5 million.²⁴⁰

In April 2013, **Boeing** issued bonds with a total value of US\$ 150 million. The bonds have a floating interest rate of three-month LIBOR+1bp and are due November 2014. The proceeds were used for general corporate purposes. Morgan Stanley participated in the syndicate of three banks, underwriting an estimated amount of US\$ 50 million.²⁴¹

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. Morgan Stanley participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 65.6 million.²⁴²

In December 2012, **EADS** issued new shares, raising € 1,664.1 million (US\$ 2,158.1 million). Morgan Stanley participated in the syndicate of two banks, underwriting an estimated amount of US\$ 1,079 million.²⁴³

In April 2013, **EADS** issued new shares, raising € 2,261.2 million (US\$ 2,946.9 million). Morgan Stanley participated in the syndicate of two banks, underwriting an estimated amount of US\$ 1,473.5 million.²⁴⁴

In April 2013, EADS Finance, a subsidiary of **EADS**, issued bonds with a total value of US\$ 1,000 million with an interest rate of 2.700% due April 2023. The proceeds were used for general corporate purposes. Morgan Stanley participated in the syndicate of six banks, underwriting an estimated amount of US\$ 166.7 million.²⁴⁵

In January 2013, **GenCorp** issued bonds with a total value of US\$ 460 million with an interest rate of 7.125% due March 2021. The proceeds were used for future acquisitions and general corporate purposes. Morgan Stanley participated in the syndicate of four banks, underwriting an estimated amount of US\$ 115 million.²⁴⁶

In March 2011, **Huntington Ingalls Industries** issued bonds with a total value of US\$ 1,200 million. The issue was split in two tranches: a US\$ 600 million 7.125% tranche due March 2021 and a US\$ 600 million 6.875% tranche due March 2016. The proceeds were used for general corporate purposes. Morgan Stanley participated in the 13 bank syndicate, underwriting an estimated amount of US\$ 33.3 million.²⁴⁷

In September 2011, **Lockheed Martin** issued bonds with a total value of US\$ 2,000 million. The issue was split in three tranches: a US\$ 500 million 2.125% tranche due September 2016, a US\$ 900 million 3.350% tranche due September 2021 and a US\$ 600 million 4.850% tranche due September 2041. The proceeds were used for general corporate purposes and to reduce indebtedness. Morgan Stanley participated in the 15 bank syndicate, underwriting an amount of US\$ 220 million.²⁴⁸

In November 2010, **Northrop Grumman** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.850% tranche due November 2015, a US\$ 300 million 5.050% tranche due November 2040 and a US\$ 700 million 3.500% tranche due March 2021. The proceeds were used for general corporate purposes, to reduce indebtedness and for working capital. Morgan Stanley participated in the 12 bank syndicate, underwriting an amount of US\$ 50 million.²⁴⁹

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. Morgan Stanley participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 35.6 million.²⁵⁰

In July 2011, **Safran** issued new treasury shares, raising € 188.5 million (US\$ 270.2 million). The proceeds were used for general corporate purposes. Morgan Stanley was the sole bookrunner of the issue, underwriting the whole amount of US\$ 270.2 million.²⁵¹

In December 2010, **SAIC** issued bonds with a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 450 million 4.450% tranche due December 2020 and a US\$ 300 million 5.950% tranche due December 2040. The proceeds were used for repurchasing additional shares of common stock and general corporate purposes. Morgan Stanley participated in the ten bank syndicate, underwriting an estimated amount of US\$ 187.5 million.²⁵²

In March 2012, **URS** issued bonds with a total value of US\$ 1,000 million. The issue was split in two tranches: a US\$ 400 million 3.850% tranche due April 2017 and a US\$ 600 million 5.000% tranche due April 2022. The proceeds were used for paying fees and expenses, reducing indebtedness, acquisition and general corporate purposes. Morgan Stanley participated in the four bank syndicate, underwriting an estimated amount of US\$ 250 million.²⁵³

Asset management

Table 108 provides an overview of the nuclear weapon companies in which Morgan Stanley owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 108 Shareholdings of Morgan Stanley

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	0.73	16.49	31-Dec-2012 until 31-Mar-2013
Babcock & Wilcox	United States	0.77	24.59	31-Dec-2012 until 31-Mar-2013
GenCorp	United States	3.49	28.15	31-Mar-2013
General Dynamics	United States	0.59	144.84	31-Dec-2012 until 31-Mar-2013
Honeywell International	United States	1.08	641.25	31-Mar-2013
Huntington Ingalls Industries	United States	0.70	18.88	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Neuberger Berman

Neuberger Berman currently has an estimated USD\$ 1,061.00 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 109 provides an overview of the nuclear weapon companies in which Neuberger Berman owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 109 Shareholdings of Neuberger Berman

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Boeing	United States	1.28	834.99	31-Mar-2013
General Dynamics	United States	0.60	149.36	31-Mar-2013
Rockwell Collins	United States	0.90	76.65	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

New Jersey Division of Investment

New Jersey Division of Investment currently has an estimated USD\$ 128.85 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 110 provides an overview of the nuclear weapon companies in which New Jersey Division of Investment owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 110 Shareholdings of New Jersey Division of Investment

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	2.66	84.87	31-Mar-2013
URS	United States	1.22	43.98	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

New York Life Insurance Company

New York Life Insurance Company currently has an estimated USD\$ 2,132.24 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 111 provides an overview of the nuclear weapon companies in which New York Life Insurance Company owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 111 Shareholdings of New York Life Insurance Company

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	0.90	30.49	31-Mar-2013
Fluor	United States	1.05	113.47	31-Mar-2013
Honeywell International	United States	1.44	859.54	31-Mar-2013
Huntington Ingalls Industries	United States	0.55	14.59	31-Mar-2013
URS	United States	0.63	22.59	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 112 provides an overview of the nuclear weapon companies in which New York Life Insurance Company owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 112 Bondholdings of New York Life Insurance Company

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	7.68	42.24	31-Mar-13 until 30-Apr-13
BAE Systems	United Kingdom	2.71	128.97	31-Mar-13
Boeing	United States	1.84	167.01	31-Mar-13
GenCorp	United States	3.33	21.98	31-Mar-13 until 30-Apr-13
General Dynamics	United States	2.25	87.77	30-Apr-13
Honeywell International	United States	2.36	142.98	31-Mar-13
Huntington Ingalls Industries	United States	1.80	21.58	31-Mar-13

Lockheed Martin	United States	3.28	227.83	31-Mar-13
Northrop Grumman	United States	2.52	148.55	31-Mar-13
Rockwell Collins	United States	9.15	68.65	31-Mar-13
SAIC	United States	2.62	34.00	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Newtyn Management

Newtyn Management currently has an estimated USD\$ 26.67 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 113 provides an overview of the nuclear weapon companies in which Newtyn Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 113 Shareholdings of Newtyn Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	1.00	26.67	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Northern Cross

Northern Cross currently has an estimated USD\$ 857.20 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 114 provides an overview of the nuclear weapon companies in which Northern Cross owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 114 Shareholdings of Northern Cross

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Rolls-Royce	United Kingdom	2.44	857.20	3-Jun-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Northern Trust

Northern Trust currently has an estimated USD\$ 4,396.44 million invested or available for the nuclear weapons producers identified in this report.

Loans

In July 2011, **Aecom** entered into an amended revolving credit facility, with a borrowing capacity of US\$ 1,050 million at a base rate of LIBOR+150.000bps and a five-year expiration date. The proceeds would be used as working capital and for general corporate purposes. Northern Trust was part of the ten bank syndicate, participating with an estimated US\$ 79 million.²⁵⁴

In September 2011, **Aecom** secured a US\$ 600 million five-year term loan at a base rate of LIBOR+175.000bps, amending and replacing an existing credit agreement from September 2010. The proceeds were used to refinance bank debt and for general corporate purposes. Northern Trust was part of the eleven bank syndicate and provided an estimated US\$ 33 million.²⁵⁵

In June 2013, **Aecom** entered into a US\$ 750 million five-year term loan at a base rate of LIBOR+150.000bps, a second amendment to an existing credit agreement from 2010. The proceeds were destined for capital expenditures, to repay all obligations owing under the existing credit agreement, and for other general corporate purposes. Northern Trust was part of the 24 bank syndicate and participated with an estimated US\$ 20 million.²⁵⁶

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. Northern Trust was part of the syndicate of 17 banks, participating with US\$ 25 million.²⁵⁷

In June 2011, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 2,500 million. The facility is split in two tranches: a US\$ 1,550 million letter of credit and a US\$ 950 million revolver. The proceeds would be used to refinance debt and for working capital purposes. Northern Trust was part of the syndicate of 24 banks, and committed an estimated amount of US\$ 75 million.²⁵⁸

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. Northern Trust was part of the syndicate of 37 banks, participating with an estimated amount of US\$ 40.7 million.²⁵⁹

In December 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. Northern Trust participated in the syndicate of 35 banks, providing an estimated amount of US\$ 83.6 million.²⁶⁰

In April 2012, **CH2M Hill** signed a US\$ 900 million revolving credit facility due April 2017 at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Northern Trust participated in the nine bank syndicate, committing an estimated amount of US\$ 72 million.²⁶¹

In July 2010, **General Dynamics** secured a three-year revolving credit facility with a value of US\$ 1,000 million at a base rate of LIBOR+50.000bps. The proceeds were used to refinance the loan secured in July 2009 and to provide a backup for commercial paper. Northern Trust participated in the 21 bank syndicate, committing an estimated amount of US\$ 37.5 million.²⁶²

In July 2011, **General Dynamics** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+37.500bps. The facility was split in two tranches: a US\$ 1,000 million tranche due July 2016 and a US\$ 1,000 million tranche due July 2013, which replaced the loan secured in July 2010. The proceeds were used for refinancing and for general corporate purposes. Northern Trust participated in the 22 bank syndicate, committing an estimated amount of US\$ 78.1 million.²⁶³

In March 2011, **Honeywell International** secured a five-year revolving credit facility with a value of US\$ 2,800 million. The proceeds were used for general corporate purposes. Northern Trust participated in the 29 bank syndicate, committing an amount of US\$ 80 million.²⁶⁴

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. Northern Trust participated in the syndicate of 20 banks, providing an estimated amount of US\$ 45.9 million.²⁶⁵

In August 2011, **Lockheed Martin** secured a five-year revolving credit facility with a value of US\$ 1,500 million at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. Northern Trust participated in the 21 bank syndicate, committing an amount of US\$ 37.5 million.²⁶⁶

In September 2011, **Northrop Grumman** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+75.000bps. The facility was divided in two tranches: a US\$ 500 million tranche due September 2012 and a US\$ 1,500 million tranche due September 2016. The proceeds were used for general corporate purposes. Northern Trust participated in the 11 bank syndicate, committing an estimated amount of US\$ 171.4 million.²⁶⁷

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Northern Trust participated in the 28 bank syndicate, committing an estimated amount of US\$ 12.5 million.²⁶⁸

Asset management

Table 115 provides an overview of the nuclear weapon companies in which Northern Trust owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 115 Shareholdings of Northern Trust

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	0.81	27.29	31-Mar-2013
Alliant Techsystems	United States	0.91	21.31	31-Mar-2013
Babcock & Wilcox	United States	0.57	18.32	31-Mar-2013
Babcock International	United Kingdom	0.53	31.77	1-Mar-2013
BAE Systems	United Kingdom	0.51	88.54	25-Oct-2012 until 31-May-2013
Boeing	United States	1.34	875.04	31-Mar-2013
Fluor	United States	1.32	142.98	31-Mar-2013
GenCorp	United States	1.48	11.87	31-Mar-2013
General Dynamics	United States	1.31	327.86	31-Mar-2013
Honeywell International	United States	1.38	821.01	31-Mar-2013
Huntington Ingalls Industries	United States	0.89	23.68	31-Mar-2013
Jacobs Engineering	United States	1.58	116.24	31-Mar-2013
Lockheed Martin	United States	1.21	373.21	31-Mar-2013
Northrop Grumman	United States	1.57	258.81	31-Mar-2013
Rockwell Collins	United States	1.40	120.23	31-Mar-2013
Rolls-Royce	United Kingdom	0.50	143.92	22-Jan-2013 until 31-Mar-2013
SAIC	United States	1.23	57.05	31-Mar-2013
URS	United States	1.10	39.68	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 116 provides an overview of the nuclear weapon companies in which Northern Trust owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 116 Bondholdings of Northern Trust

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	1.17	6.43	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Nuveen Investments

Nuveen Investments currently has an estimated USD\$ 473.36 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 117 provides an overview of the nuclear weapon companies in which Nuveen Investments owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 117 Shareholdings of Nuveen Investments

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Fluor	United States	3.92	423.78	31-Mar-2013
SAIC	United States	1.00	46.58	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 118 provides an overview of the nuclear weapon companies in which Nuveen Investments owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 118 Bondholdings of Nuveen Investments

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	0.55	3.00	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Oppenheimer & Co.

Oppenheimer & Co currently has an estimated USD\$ 721.81 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 119 provides an overview of the nuclear weapon companies in which Oppenheimer & Co. owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 119 Shareholdings of Oppenheimer & Co.

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
EADS	Netherlands	1.17	327.18	5-Oct-2012
Honeywell International	United States	0.56	327.94	31-Mar-2013
Huntington Ingalls Industries	United States	0.90	23.99	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 120 provides an overview of the nuclear weapon companies in which Oppenheimer & Co. owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 120 Bondholdings of Oppenheimer & Co.

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
GenCorp	United States	3.16	20.87	30-Apr-13
Huntington Ingalls Industries	United States	1.82	21.83	31-Aug-12 until 30-Jun-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

PanAgora Asset Management

PanAgora Asset Management currently has an estimated USD\$ 78.72 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 121 provides an overview of the nuclear weapon companies in which PanAgora Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 121 Shareholdings of PanAgora Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	1.45	49.07	31-Mar-2013
URS	United States	0.82	29.65	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Park West Asset Management

Park West Asset Management currently has an estimated USD\$ 4.69 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 122 provides an overview of the nuclear weapon companies in which Park West Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 122 Shareholdings of Park West Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	0.58	4.69	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Partner Fund Management

Partner Fund Management currently has an estimated USD\$ 58.26 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 123 provides an overview of the nuclear weapon companies in which Partner Fund Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 123 Shareholdings of Partner Fund Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	0.79	58.26	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

People's United Financial

People's United Financial currently has an estimated USD\$ 20.00 million invested or available for the nuclear weapons producers identified in this report.

Loans

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. People's United Bank was part of the syndicate of 20 banks and provided US\$ 20 million.²⁶⁹

Permanent Portfolio Fund

Permanent Portfolio Fund currently has an estimated USD\$ 75.19 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 124 provides an overview of the nuclear weapon companies in which Permanent Portfolio Fund owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 124 Shareholdings of Permanent Portfolio Fund

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Fluor	United States	0.62	66.99	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 125 provides an overview of the nuclear weapon companies in which Permanent Portfolio Fund owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 125 Bondholdings of Permanent Portfolio Fund

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Rockwell Collins	United States	1.09	8.20	31-May-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Piper Jaffray

Piper Jaffray currently has an estimated USD\$ 33.30 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In March 2011, **Huntington Ingalls Industries** issued bonds with a total value of US\$ 1,200 million. The issue was split in two tranches: a US\$ 600 million 7.125% tranche due March 2021 and a US\$ 600 million 6.875% tranche due March 2016. The proceeds were used for general corporate purposes. Piper Jaffray participated in the 13 bank syndicate, underwriting an estimated amount of US\$ 33.3 million.²⁷⁰

PNC Bancorp

PNC Bancorp currently has an estimated USD\$ 404.19 million invested or available for the nuclear weapons producers identified in this report.

Loans

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. PNC Bank, a subsidiary of PNC Bancorp, was part of the syndicate of 20 banks and provided US\$ 25 million.²⁷¹

In September 2012, **Alliant Techsystems** secured a US\$ 200 million five-year credit facility at a base rate of LIBOR+225.000bps. The proceeds were used for refinancing and for general corporate

purposes. PNC Bank, a subsidiary of PNC Bancorp, participated in the syndicate of 13 banks and provided an estimated US\$ 13 million.²⁷²

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility with a value of US\$ 700 million at a base rate of LIBOR+250.000bps. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. PNC Bank, a subsidiary of PNC Bancorp, was part of the 17 bank syndicate, committing an estimated amount of US\$ 28 million.²⁷³

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. PNC Bank, a subsidiary of PNC Bancorp, was part of the syndicate of 17 banks, participating with US\$ 25 million.²⁷⁴

In March 2010, **Boeing** secured a credit facility with a value of US\$ 865 million, due October 2011. The proceeds were used for general corporate purposes. PNC Bank, a subsidiary of PNC Bancorp, participated in the syndicate of 12 banks, providing US\$ 50 million.²⁷⁵

In July 2010, **General Dynamics** secured a three-year revolving credit facility with a value of US\$ 1,000 million at a base rate of LIBOR+50.000bps. The proceeds were used to refinance the loan secured in July 2009 and to provide a backup for commercial paper. PNC Bancorp participated in the 21 bank syndicate, committing an estimated amount of US\$ 37.5 million.²⁷⁶

In July 2011, **General Dynamics** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+37.500bps. The facility was split in two tranches: a US\$ 1,000 million tranche due July 2016 and a US\$ 1,000 million tranche due July 2013, which replaced the loan secured in July 2010. The proceeds were used for refinancing and for general corporate purposes. PNC Bancorp participated in the 22 bank syndicate, committing an estimated amount of US\$ 78.1 million.²⁷⁷

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. PNC Bancorp participated in the 28 bank syndicate, committing an estimated amount of US\$ 12.5 million.²⁷⁸

Investment banking

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. PNC Capital Markets, a subsidiary of PNC Bancorp, participated in the 21 bank syndicate, underwriting an amount of US\$ 30 million.²⁷⁹

In November 2012, **General Dynamics** issued bonds with a total value of US\$ 2,400 million. The issue was split in three tranches: a US\$ 1,000 million 2.250% tranche due November 2022, a US\$ 900 million 1.000% tranche due November 2017 and a US\$ 500 million 3.600% tranche due November 2042. The proceeds were used for reduce indebtedness and general corporate purposes. PNC Capital Markets, a subsidiary of PNC Bancorp, participated in the 18 bank syndicate, underwriting an amount of US\$ 72 million.²⁸⁰

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. PNC Capital Markets, a subsidiary of PNC Bancorp, participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 35.6 million.²⁸¹

Asset management

Table 126 provides an overview of the nuclear weapon companies in which PNC Bancorp owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 126 Shareholdings of PNC Bancorp

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	0.82	59.99	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Primecap Management

Primecap Management currently has an estimated USD\$ 1,533.25 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 127 provides an overview of the nuclear weapon companies in which Primecap Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 127 Shareholdings of Primecap Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	3.16	106.83	31-Mar-2013
Babcock & Wilcox	United States	1.52	48.57	31-Mar-2013
EADS	Netherlands	0.80	318.96	31-Mar-2013
Honeywell International	United States	1.65	976.70	31-Mar-2013
Jacobs Engineering	United States	1.12	82.19	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Principal Financial

Principal Financial currently has an estimated USD\$ 197.95 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 128 provides an overview of the nuclear weapon companies in which Principal Financial owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 128 Shareholdings of Principal Financial

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	0.75	25.23	31-Mar-2013
Alliant Techsystems	United States	1.18	27.45	31-Mar-2013
GenCorp	United States	0.55	4.43	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 129 provides an overview of the nuclear weapon companies in which Principal Financial owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 129 Bondholdings of Principal Financial

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
BAE Systems	United Kingdom	0.90	42.76	31-Mar-13

EADS	Netherlands	0.53	17.76	30-Apr-13 until 31-May-13
GenCorp	United States	0.81	5.32	31-May-13
Lockheed Martin	United States	0.61	42.47	31-May-13
SAIC	United States	2.51	32.53	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Provident Trust

Provident Trust currently has an estimated USD\$ 49.30 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 130 provides an overview of the nuclear weapon companies in which Provident Trust owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 130 Shareholdings of Provident Trust

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	0.67	49.30	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Proxima Capital Management

Proxima Capital Management currently has an estimated USD\$ 18.34 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 131 provides an overview of the nuclear weapon companies in which Proxima Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 131 Shareholdings of Proxima Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	0.58	18.34	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Prudential Financial

Prudential Financial currently has an estimated USD\$ 2,611.47 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 132 provides an overview of the nuclear weapon companies in which Prudential Financial owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 132 Shareholdings of Prudential Financial

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	1.41	32.76	31-Mar-2013
Babcock & Wilcox	United States	0.80	25.47	31-Mar-2013
Boeing	United States	1.85	1,207.04	31-Mar-2013
Huntington Ingalls	United States	0.60	16.12	31-Mar-2013

Industries				
Northrop Grumman	United States	0.60	99.23	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 133 provides an overview of the nuclear weapon companies in which Prudential Financial owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 133 Bondholdings of Prudential Financial

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	3.42	18.73	31-May-13
BAE Systems	United Kingdom	1.20	56.92	31-May-13
Boeing	United States	3.12	283.69	31-Mar-13
Fluor	United States	1.02	5.34	31-Mar-13
General Dynamics	United States	3.35	130.64	31-May-13
Honeywell International	United States	5.41	328.32	31-Mar-13
Lockheed Martin	United States	4.03	280.41	31-Mar-13
Northrop Grumman	United States	1.89	111.53	31-Mar-13
Rockwell Collins	United States	2.03	15.27	31-May-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Pzena Investment Management

Pzena Investment Management currently has an estimated USD\$ 357.11 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 134 provides an overview of the nuclear weapon companies in which Pzena Investment Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 134 Shareholdings of Pzena Investment Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	1.00	26.85	31-Mar-2013
Northrop Grumman	United States	1.75	288.80	31-Mar-2013
URS	United States	1.15	41.46	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

QS Investors

QS Investors currently has an estimated USD\$ 23.94 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 135 provides an overview of the nuclear weapon companies in which QS Investors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 135 Shareholdings of QS Investors

Company	Country	% of all outstanding	Value (US\$ mln)	Filing date (range)
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		shares		
Huntington Ingalls Industries	United States	0.90	23.94	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Raymond James Financial

Raymond James Financial currently has an estimated USD\$ 57.24 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 136 provides an overview of the nuclear weapon companies in which Raymond James Financial owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 136 Shareholdings of Raymond James Financial

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	0.67	22.59	31-Mar-2013
URS	United States	0.96	34.65	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Regions Financial Corporation

Regions Financial Corporation currently has an estimated USD\$ 28.00 million invested or available for the nuclear weapons producers identified in this report.

Loans

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility with a value of US\$ 700 million at a base rate of LIBOR+250.000bps. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. Regions Bank, a subsidiary of Regions Financial Corporation, was part of the 17 bank syndicate, committing an estimated amount of US\$ 28 million.²⁸²

Renaissance Technologies

Renaissance Technologies currently has an estimated USD\$ 58.22 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 137 provides an overview of the nuclear weapon companies in which Renaissance Technologies owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 137 Shareholdings of Renaissance Technologies

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	0.84	6.72	31-Mar-2013
Huntington Ingalls Industries	United States	1.08	29.01	31-Mar-2013
URS	United States	0.63	22.49	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Richmond Hill Investments

Richmond Hill Investments currently has an estimated USD\$ 11.89 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 138 provides an overview of the nuclear weapon companies in which Richmond Hill Investments owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 138 Shareholdings of Richmond Hill Investments

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	1.48	11.89	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Roaring Blue Lion Capital Management

Roaring Blue Lion Capital Management currently has an estimated USD\$ 6.94 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 139 provides an overview of the nuclear weapon companies in which Roaring Blue Lion Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 139 Shareholdings of Roaring Blue Lion Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	0.86	6.94	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Ruane Cunniff & Goldfarb

Ruane Cunniff & Goldfarb currently has an estimated USD\$ 414.61 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 140 provides an overview of the nuclear weapon companies in which Ruane Cunniff & Goldfarb owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 140 Shareholdings of Ruane Cunniff & Goldfarb

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	1.51	110.88	31-Mar-2013
Rolls-Royce	United Kingdom	1.04	303.73	25-Feb-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Sanders Capital

Sanders Capital currently has an estimated USD\$ 284.37 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 141 provides an overview of the nuclear weapon companies in which Sanders Capital owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 141 Shareholdings of Sanders Capital

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
General Dynamics	United States	1.14	284.37	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Shapiro Capital Management

Shapiro Capital Management currently has an estimated USD\$ 191.85 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 142 provides an overview of the nuclear weapon companies in which Shapiro Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 142 Shareholdings of Shapiro Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	5.03	153.39	30-Apr-2013
SAIC	United States	0.83	38.46	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Silvercrest Asset Management

Silvercrest Asset Management currently has an estimated USD\$ 41.26 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 143 provides an overview of the nuclear weapon companies in which Silvercrest Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 143 Shareholdings of Silvercrest Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	1.29	41.26	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

SkyTop Capital Management

SkyTop Capital Management currently has an estimated USD\$ 18.42 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 144 provides an overview of the nuclear weapon companies in which SkyTop Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 144 Shareholdings of SkyTop Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	2.29	18.42	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Snow Capital Management

Snow Capital Management currently has an estimated USD\$ 67.47 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 145 provides an overview of the nuclear weapon companies in which Snow Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 145 Shareholdings of Snow Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	2.00	67.47	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

SouthernSun Asset Management

SouthernSun Asset Management currently has an estimated USD\$ 173.90 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 146 provides an overview of the nuclear weapon companies in which SouthernSun Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 146 Shareholdings of SouthernSun Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
URS	United States	4.83	173.90	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Southpoint Capital Advisors

Southpoint Capital Advisors currently has an estimated USD\$ 125.93 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 147 provides an overview of the nuclear weapon companies in which Southpoint Capital Advisors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 147 Shareholdings of Southpoint Capital Advisors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	4.71	125.93	31-Mar-2013

State Street

State Street currently has an estimated USD\$ 20,441.16 million invested or available for the nuclear weapons producers identified in this report.

Loans

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. State Street Bank and Trust, a subsidiary of State Street, was part of the syndicate of 37 banks, participating with an estimated amount of US\$ 40.7 million.²⁸³

In December 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. State Street Bank and Trust, a subsidiary of State Street, participated in the syndicate of 35 banks, providing an estimated amount of US\$ 83.6 million.²⁸⁴

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. State Street Bank, a subsidiary of State Street, participated in the syndicate of 20 banks, providing an estimated amount of US\$ 45.9 million.²⁸⁵

In August 2011, **Lockheed Martin** secured a five-year revolving credit facility with a value of US\$ 1,500 million at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. State Street participated in the 21 bank syndicate, committing an amount of US\$ 55 million.²⁸⁶

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. State Street Bank, a subsidiary of State Street, participated in the 28 bank syndicate, committing an estimated amount of US\$ 12.5 million.²⁸⁷

In May 2011, **Rockwell Collins** entered into a US\$ 850 million five-year unsecured revolving credit at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes, acquisition and refinancing debt. State Street Bank, a subsidiary of State Street, was part of the syndicate of 12 banks, participating with an amount of US\$ 40 million.²⁸⁸

Asset management

Table 148 provides an overview of the nuclear weapon companies in which State Street owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 148 Shareholdings of State Street

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	2.70	91.37	28-Feb-2013 until 30-Apr-2013
Alliant Techsystems	United States	3.00	69.96	28-Feb-2013 until 31-Mar-2013
Babcock & Wilcox	United States	1.53	48.67	31-Mar-2013
Babcock International	United Kingdom	2.10	126.62	01-Mar-2013 until 01-Jun-2013

BAE Systems	United Kingdom	3.31	556.28	31-Jul-2012 until 06-Jun-2013
Boeing	United States	4.31	2,805.04	30-Nov-2012 until 31-May-2013
EADS	Netherlands	1.19	347.73	31-Jul-2012 until 31-May-2013
Fluor	United States	4.20	451.82	30-Nov-2012 until 31-May-2013
GenCorp	United States	2.05	16.47	31-Mar-2013
General Dynamics	United States	4.63	1,156.28	30-Nov-2012 until 31-May-2013
Honeywell International	United States	9.17	5,430.12	30-Nov-2012 until 31-May-2013
Huntington Ingalls Industries	United States	4.71	125.89	28-Feb-2013 until 30-Apr-2013
Jacobs Engineering	United States	3.88	284.83	30-Nov-2012 until 31-May-2013
Lockheed Martin	United States	18.64	5,763.93	30-Nov-2012 until 31-May-2013
Northrop Grumman	United States	11.31	1,865.23	30-Nov-2012 until 31-May-2013
Rockwell Collins	United States	4.20	360.05	30-Nov-2012 until 31-May-2013
Rolls-Royce	United Kingdom	1.23	381.39	22-Feb-2013 until 03-Jun-2013
SAIC	United States	3.44	159.55	30-Nov-2012 until 31-May-2013
Serco	United Kingdom	1.26	56.63	27-Feb-2013 until 11-Jun-2013
URS	United States	2.65	95.18	28-Feb-2013 until 31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 149 provides an overview of the nuclear weapon companies in which State Street owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 149 Bondholdings of State Street

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	1.72	20.62	30-Jun-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

State Teachers Retirement System of Ohio

State Teachers Retirement System of Ohio currently has an estimated USD\$ 45.59 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 150 provides an overview of the nuclear weapon companies in which State Teachers Retirement System of Ohio owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 150 Shareholdings of State Teachers Retirement System of Ohio

Company	Country	% of all	Value (US\$)	Filing date (range)
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		outstanding shares	mln)	
Aecom	United States	1.35	45.59	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Steel Partners

Steel Partners currently has an estimated USD\$ 55.61 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 151 provides an overview of the nuclear weapon companies in which Steel Partners owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 151 Shareholdings of Steel Partners

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	6.91	55.61	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Sun Life Financial

Sun Life Financial currently has an estimated USD\$ 5,481.96 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 152 provides an overview of the nuclear weapon companies in which Sun Life Financial owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 152 Shareholdings of Sun Life Financial

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Fluor	United States	2.48	267.44	31-Mar-2013
Honeywell International	United States	4.85	2,873.24	31-Mar-2013
Lockheed Martin	United States	5.50	1,700.97	31-Mar-2013
Northrop Grumman	United States	3.05	502.53	31-Mar-2013
Serco	United Kingdom	0.82	38.18	11-Jun-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 153 provides an overview of the nuclear weapon companies in which Sun Life Financial owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 153 Bondholdings of Sun Life Financial

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
BAE Systems	United Kingdom	1.41	67.07	30-Apr-13
Huntington Ingalls Industries	United States	2.72	32.59	31-May-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

SunAmerica Asset Management

SunAmerica Asset Management currently has an estimated USD\$ 129.01 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 154 provides an overview of the nuclear weapon companies in which SunAmerica Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 154 Shareholdings of SunAmerica Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Northrop Grumman	United States	0.78	129.01	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

SunTrust

SunTrust currently has an estimated USD\$ 1,157.75 million invested or available for the nuclear weapons producers identified in this report.

Loans

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. SunTrust Banks was one of the five bookrunners in the syndicate of 20 banks and provided US\$ 80 million.²⁸⁹

In September 2012, **Alliant Techsystems** secured a US\$ 200 million five-year credit facility at a base rate of LIBOR+225.000bps. The proceeds were used for refinancing and for general corporate purposes. SunTrust Banks was one of the four bookrunners in a syndicate of 13 banks and provided an estimated US\$ 20 million.²⁹⁰

In November 2011, **GenCorp** entered into a US\$ 200 million revolving credit facility due November 2016 at a base rate of LIBOR+325.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. SunTrust Bank participated in the five bank syndicate, committing an estimated amount of US\$ 40 million.²⁹¹

In August 2012, **GenCorp** secured a US\$ 50 million amended delayed draw term loan due August 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for refinancing bank debt. SunTrust Bank participated in the four bank syndicate, committing an estimated amount of US\$ 12.5 million.²⁹²

In July 2010, **General Dynamics** secured a three-year revolving credit facility with a value of US\$ 1,000 million at a base rate of LIBOR+50.000bps. The proceeds were used to refinance the loan secured in July 2009 and to provide a backup for commercial paper. SunTrust Bank participated in the 21 bank syndicate, committing an estimated amount of US\$ 37.5 million.²⁹³

In July 2011, **General Dynamics** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+37.500bps. The facility was split in two tranches: a US\$ 1,000 million tranche due July 2016 and a US\$ 1,000 million tranche due July 2013, which replaced the loan secured in July 2010. The proceeds were used for refinancing and for general corporate purposes. SunTrust Bank participated in the 22 bank syndicate, committing an estimated amount of US\$ 78.1 million.²⁹⁴

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base

rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. SunTrust Bank participated in the syndicate of 20 banks, providing an estimated amount of US\$ 45.9 million.²⁹⁵

In September 2011, **Northrop Grumman** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+75.000bps. The facility was divided in two tranches: a US\$ 500 million tranche due September 2012 and a US\$ 1,500 million tranche due September 2016. The proceeds were used for general corporate purposes. SunTrust Bank participated in the 11 bank syndicate, committing an estimated amount of US\$ 171.4 million.²⁹⁶

In October 2011, **URS** entered into a US\$ 1,700 million credit facility at a base rate of LIBOR+150.000bps due October 2016. The facility was split in two tranches: a US\$ 1,000 million revolving credit facility and a US\$ 700 million term loan. The proceeds were used for refinancing bank debt and general corporate purposes. SunTrust Bank participated in the syndicate of 16 banks, providing an estimated amount of US\$ 85 million.²⁹⁷

Investment banking

In September 2010, **Alliant Techsystems** issued 6.875% ten-year bonds for US\$ 350 million. The proceeds were used for general corporate purposes and to reduce indebtedness. SunTrust Banks, part of the seven bank syndicate, underwrote US\$ 37 million.²⁹⁸

In January 2013, **GenCorp** issued bonds with a total value of US\$ 460 million with an interest rate of 7.125% due March 2021. The proceeds were used for future acquisitions and general corporate purposes. SunTrust Robinson Humphrey, a subsidiary of SunTrust Bank, participated in the syndicate of four banks, underwriting an estimated amount of US\$ 115 million.²⁹⁹

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. SunTrust Robinson Humphrey, a subsidiary of SunTrust Bank, participated in the 21 bank syndicate, underwriting an amount of US\$ 30 million.³⁰⁰

In November 2012, **General Dynamics** issued bonds with a total value of US\$ 2,400 million. The issue was split in three tranches: a US\$ 1,000 million 2.250% tranche due November 2022, a US\$ 900 million 1.000% tranche due November 2017 and a US\$ 500 million 3.600% tranche due November 2042. The proceeds were used for reduce indebtedness and general corporate purposes. SunTrust Robinson Humphrey, a subsidiary of SunTrust Bank, participated in the 18 bank syndicate, underwriting an amount of US\$ 72 million.³⁰¹

In March 2011, **Huntington Ingalls Industries** issued bonds with a total value of US\$ 1,200 million. The issue was split in two tranches: a US\$ 600 million 7.125% tranche due March 2021 and a US\$ 600 million 6.875% tranche due March 2016. The proceeds were used for general corporate purposes. SunTrust Robinson Humphrey, a subsidiary of SunTrust Bank, participated in the 13 bank syndicate, underwriting an estimated amount of US\$ 33.3 million.³⁰²

In November 2010, **Northrop Grumman** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.850% tranche due November 2015, a US\$ 300 million 5.050% tranche due November 2040 and a US\$ 700 million 3.500% tranche due March 2021. The proceeds were used for general corporate purposes, to reduce indebtedness and for working capital. SunTrust Robinson Humphrey, a subsidiary of SunTrust Bank, participated in the 12 bank syndicate, underwriting an amount of US\$ 75 million.³⁰³

Asset management

Table 155 provides an overview of the nuclear weapon companies in which SunTrust owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 155 Shareholdings of SunTrust

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Fluor	United States	0.70	76.08	31-Mar-2013
Rockwell Collins	United States	1.11	95.02	31-Mar-2013
SAIC	United States	1.16	53.95	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

T. Rowe Price

T. Rowe Price currently has an estimated USD\$ 5,501.63 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 156 provides an overview of the nuclear weapon companies in which T. Rowe Price owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 156 Shareholdings of T. Rowe Price

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	17.69	563.96	31-Mar-2013
Boeing	United States	3.90	2,540.35	31-Mar-2013
Honeywell International	United States	2.87	1,699.38	31-Mar-2013
Jacobs Engineering	United States	0.70	51.64	31-Mar-2013
Lockheed Martin	United States	0.86	267.25	31-Mar-2013
Rolls-Royce	United Kingdom	1.11	324.99	22-Feb-2013 until 25-Feb-2013
Serco	United Kingdom	1.25	54.06	27-Feb-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Teton Advisors

Teton Advisors currently has an estimated USD\$ 16.08 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 157 provides an overview of the nuclear weapon companies in which Teton Advisors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 157 Shareholdings of Teton Advisors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	2.00	16.08	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Thornburg Investment Management

Thornburg Investment Management currently has an estimated USD\$ 514.50 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 158 provides an overview of the nuclear weapon companies in which Thornburg Investment Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 158 Shareholdings of Thornburg Investment Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Rolls-Royce	United Kingdom	1.56	505.50	3-Jun-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 159 provides an overview of the nuclear weapon companies in which Thornburg Investment Management owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 159 Bondholdings of Thornburg Investment Management

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
URS	United States	0.77	9.00	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Thrivent Financial

Thrivent Financial currently has an estimated USD\$ 277.58 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 160 provides an overview of the nuclear weapon companies in which Thrivent Financial owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 160 Shareholdings of Thrivent Financial

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	2.60	191.19	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 161 provides an overview of the nuclear weapon companies in which Thrivent Financial owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 161 Bondholdings of Thrivent Financial

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	0.55	3.00	31-Mar-13
BAE Systems	United Kingdom	0.55	26.00	31-Mar-13
Lockheed Martin	United States	0.83	57.39	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

TIAA-CREF

TIAA-CREF currently has an estimated USD\$ 3,012.67 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 162 provides an overview of the nuclear weapon companies in which TIAA-CREF owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 162 Shareholdings of TIAA-CREF

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	1.07	36.11	31-Mar-2013
Alliant Techsystems	United States	1.41	32.86	31-Mar-2013
Boeing	United States	0.99	646.32	31-Mar-2013
Fluor	United States	0.89	96.01	31-Mar-2013
GenCorp	United States	0.65	5.20	31-Mar-2013
General Dynamics	United States	0.75	187.75	31-Mar-2013
Honeywell International	United States	1.31	778.80	31-Mar-2013
Huntington Ingalls Industries	United States	0.55	14.59	31-Mar-2013
Jacobs Engineering	United States	0.77	56.82	31-Mar-2013
Northrop Grumman	United States	0.51	83.56	31-Mar-2013
Rockwell Collins	United States	1.37	117.02	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 163 provides an overview of the nuclear weapon companies in which TIAA-CREF owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 163 Bondholdings of TIAA-CREF

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	3.66	20.13	30-Apr-13
BAE Systems	United Kingdom	2.11	100.37	31-Mar-13
Boeing	United States	1.98	179.35	31-Mar-13
Fluor	United States	5.52	29.00	31-Mar-13
General Dynamics	United States	1.08	41.93	31-Mar-13
Honeywell International	United States	2.01	122.20	31-Mar-13
Huntington Ingalls Industries	United States	4.18	50.14	31-Mar-13
Lockheed Martin	United States	3.39	235.75	31-Mar-13
Northrop Grumman	United States	2.04	120.01	31-Mar-13
Rockwell Collins	United States	7.83	58.75	30-Apr-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Tiger Veda Management

Tiger Veda Management currently has an estimated USD\$ 21.79 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 164 provides an overview of the nuclear weapon companies in which Tiger Veda Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 164 Shareholdings of Tiger Veda Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	2.71	21.79	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Trimaran Capital Partners

Trimaran Capital Partners currently has an estimated USD\$ 13.00 million invested or available for the nuclear weapons producers identified in this report.

Loans

In September 2012, **Alliant Techsystems** secured a US\$ 200 million five-year credit facility at a base rate of LIBOR+225.000bps. The proceeds were used for refinancing and for general corporate purposes. Trimaran Capital Partners participated in the syndicate of 13 banks and provided an estimated US\$ 13 million.³⁰⁴

Tweedy Browne

Tweedy Browne currently has an estimated USD\$ 111.54 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 165 provides an overview of the nuclear weapon companies in which Tweedy Browne owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 165 Shareholdings of Tweedy Browne

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Safran	France	0.60	111.54	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Two Sigma Investments

Two Sigma Investments currently has an estimated USD\$ 40.00 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 166 provides an overview of the nuclear weapon companies in which Two Sigma Investments owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 166 Shareholdings of Two Sigma Investments

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	1.05	35.51	31-Mar-2013
GenCorp	United States	0.56	4.49	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

UMB Financial

UMB Financial currently has an estimated USD\$ 42.95 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 167 provides an overview of the nuclear weapon companies in which UMB Financial owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 167 Shareholdings of UMB Financial

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	0.58	42.95	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Umpqua Bank

Umpqua Bank currently has an estimated USD\$ 40.00 million invested or available for the nuclear weapons producers identified in this report.

Loans

In November 2011, **GenCorp** entered into a US\$ 200 million revolving credit facility due November 2016 at a base rate of LIBOR+325.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Umpqua Bank participated in the five bank syndicate, committing an estimated amount of US\$ 40 million.³⁰⁵

US Bancorp

US Bancorp currently has an estimated USD\$ 2,564.50 million invested or available for the nuclear weapons producers identified in this report.

Loans

In September 2010, **Aecom** secured a US\$600 million four-year term credit agreement at a base rate of LIBOR+250.000bps. The proceeds were used for general corporate purposes, to increase working capital, for refinancing and acquisition needs. Under the credit agreement, Aecom borrowed US\$ 600 million in term loans and may borrow up to an additional \$100 million in term loans upon request subject to certain conditions. US Bank, a subsidiary of US Bancorp, was part of the ten bank syndicate and provided an estimated US\$ 45 million.³⁰⁶

In June 2013, **Aecom** entered into a US\$ 750 million five-year term loan at a base rate of LIBOR+150.000bps, a second amendment to an existing credit agreement from 2010. The proceeds were destined for capital expenditures, to repay all obligations owing under the existing credit agreement, and for other general corporate purposes. US Bank, a subsidiary of US Bancorp, was part of the 24 bank syndicate and participated with an estimated US\$ 20 million.³⁰⁷

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. US Bank, a subsidiary of US Bancorp, was one of the five bookrunners in the syndicate of 20 banks and provided US\$ 80 million.³⁰⁸

In September 2012, **Alliant Techsystems** secured a US\$ 200 million five-year credit facility at a base rate of LIBOR+225.000bps. The proceeds were used for refinancing and for general corporate purposes. US Bank, a subsidiary of US Bancorp, was one of the four bookrunners in a syndicate of 13 banks and provided an estimated US\$ 20 million.³⁰⁹

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility with a value of US\$ 700 million at a base rate of LIBOR+250.000bps. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. US Bank, a subsidiary of US Bancorp, was part of the 17 bank syndicate, committing an estimated amount of US\$ 28 million.³¹⁰

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. US Bank, a subsidiary of US Bancorp, was part of the syndicate of 17 banks, participating with US\$ 40 million.³¹¹

In June 2011, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 2,500 million. The facility is split in two tranches: a US\$ 1,550 million letter of credit and a US\$ 950 million revolver. The proceeds would be used to refinance debt and for working capital purposes. US Bank, a subsidiary of US Bancorp, was part of the syndicate of 24 banks, and committed an estimated amount of US\$ 75 million.³¹²

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. US Bank, a subsidiary of US Bancorp, was part of the syndicate of 37 banks, participating with an estimated amount of US\$ 40.7 million.³¹³

In November 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the syndicate of 35 banks, providing an estimated amount of US\$ 83.6 million.³¹⁴

In October 2012, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a US\$ 2,300 million tranche due October 2013 at a base rate of LIBOR+82.500bps and a US\$ 2,300 million tranche due October 2017 at a base rate of LIBOR+79.500bps, which replaced the loan secured in November 2011. The proceeds were used for refinancing bank debt and general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the syndicate of four banks, providing an estimated amount of US\$ 920 million.³¹⁵

In April 2012, **CH2M Hill** signed a US\$ 900 million revolving credit facility due April 2017 at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the nine bank syndicate, committing an estimated amount of US\$ 72 million.³¹⁶

In November 2012, **Fluor** secured a US\$ 1,800 million revolving credit facility due November 2017 at a base rate of LIBOR+100.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the eight bank syndicate, committing an estimated amount of US\$ 180 million.³¹⁷

In November 2011, **GenCorp** entered into a US\$ 200 million revolving credit facility due November 2016 at a base rate of LIBOR+325.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the five bank syndicate, committing an estimated amount of US\$ 40 million.³¹⁸

In August 2012, **GenCorp** secured a US\$ 50 million amended delayed draw term loan due August 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for refinancing bank debt. US Bank, a subsidiary of US Bancorp, participated in the four bank syndicate, committing an estimated amount of US\$ 12.5 million.³¹⁹

In July 2010, **General Dynamics** secured a three-year revolving credit facility with a value of US\$ 1,000 million at a base rate of LIBOR+50.000bps. The proceeds were used to refinance the loan secured in July 2009 and to provide a backup for commercial paper. US Bank, a subsidiary of US Bancorp, participated in the 21 bank syndicate, committing an estimated amount of US\$ 37.5 million.³²⁰

In July 2011, **General Dynamics** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+37.500bps. The facility was split in two tranches: a US\$ 1,000 million tranche

due July 2016 and a US\$ 1,000 million tranche due July 2013, which replaced the loan secured in July 2010. The proceeds were used for refinancing and for general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the 22 bank syndicate, committing an estimated amount of US\$ 78.1 million.³²¹

In March 2011, **Honeywell International** secured a five-year revolving credit facility with a value of US\$ 2,800 million. The proceeds were used for general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the 29 bank syndicate, committing an amount of US\$ 50 million.³²²

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the syndicate of 20 banks, providing an estimated amount of US\$ 45.9 million.³²³

In March 2012, **Jacobs Engineering** entered into a US\$ 1,160 million revolving credit facility due March 2017 at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the eight bank syndicate, committing an estimated amount of US\$ 139.2 million.³²⁴

In August 2011, **Lockheed Martin** secured a five-year revolving credit facility with a value of US\$ 1,500 million at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the 21 bank syndicate, committing an amount of US\$ 85 million.³²⁵

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the 28 bank syndicate, committing an estimated amount of US\$ 12.5 million.³²⁶

In May 2011, **Rockwell Collins** entered into a US\$ 850 million five-year unsecured revolving credit at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes, acquisition and refinancing debt. US Bank, a subsidiary of US Bancorp, was part of the syndicate of 12 banks, participating with an amount of US\$ 60 million.³²⁷

In March 2011, **SAIC** signed a US\$ 750 million revolving credit facility due March 2015 at a base rate of LIBOR+120.000bps. The proceeds were used for general corporate purposes and refinancing of a 2007 loan. US Bank, a subsidiary of US Bancorp, was part of the syndicate of nine banks, participating with an estimated amount of US\$ 64.3 million.³²⁸

In October 2011, **URS** entered into a US\$ 1,700 million credit facility at a base rate of LIBOR+150.000bps due October 2016. The facility was split in two tranches: a US\$ 1,000 million revolving credit facility and a US\$ 700 million term loan. The proceeds were used for refinancing bank debt and general corporate purposes. US Bank, a subsidiary of US Bancorp, participated in the syndicate of 16 banks, providing an estimated amount of US\$ 85 million.³²⁹

In March 2012, **URS** entered into a US\$ 500 million bridge Loan due March 2013 at a base rate of LIBOR+175.000bps. The proceeds will be used for future acquisitions. US Bank, a subsidiary of US Bancorp, was part of the syndicate of ten banks, participating with an estimated amount of US\$ 42.9 million.³³⁰

Investment banking

In September 2010, **Alliant Techsystems** issued 6.875% ten-year bonds for US\$ 350 million. The proceeds were used for general corporate purposes and to reduce indebtedness. US Bancorp, part of the seven bank syndicate, underwrote US\$ 37 million.³³¹

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. US Bancorp participated in the syndicate of 31 banks, underwriting an amount of US\$ 15 million.³³²

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. US Bancorp participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 4 million.³³³

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. US Bancorp participated in the 21 bank syndicate, underwriting an amount of US\$ 52.5 million.³³⁴

In November 2012, **General Dynamics** issued bonds with a total value of US\$ 2,400 million. The issue was split in three tranches: a US\$ 1,000 million 2.250% tranche due November 2022, a US\$ 900 million 1.000% tranche due November 2017 and a US\$ 500 million 3.600% tranche due November 2042. The proceeds were used for reduce indebtedness and general corporate purposes. US Bancorp participated in the 18 bank syndicate, underwriting an amount of US\$ 90 million.³³⁵

In September 2011, **Lockheed Martin** issued bonds with a total value of US\$ 2,000 million. The issue was split in three tranches: a US\$ 500 million 2.125% tranche due September 2016, a US\$ 900 million 3.350% tranche due September 2021 and a US\$ 600 million 4.850% tranche due September 2041. The proceeds were used for general corporate purposes and to reduce indebtedness. US Bancorp participated in the 15 bank syndicate, underwriting an amount of US\$ 80 million.³³⁶

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. US Bancorp participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 35.6 million.³³⁷

In December 2010, **SAIC** issued bonds with a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 450 million 4.450% tranche due December 2020 and a US\$ 300 million 5.950% tranche due December 2040. The proceeds were used for repurchasing additional shares of common stock and general corporate purposes. US Bancorp participated in the ten bank syndicate, underwriting an estimated amount of US\$ 26.8 million.³³⁸

US Fiduciary Services

US Fiduciary Services currently has an estimated USD\$ 220.23 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 168 provides an overview of the nuclear weapon companies in which US Fiduciary Services owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 168 Shareholdings of US Fiduciary Services

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	8.24	220.23	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

ValueAct

ValueAct currently has an estimated USD\$ 705.62 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 169 provides an overview of the nuclear weapon companies in which ValueAct owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 169 Shareholdings of ValueAct

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Rockwell Collins	United States	8.24	705.62	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Van Eck Associates

Van Eck Associates currently has an estimated USD\$ 43.54 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 170 provides an overview of the nuclear weapon companies in which Van Eck Associates owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 170 Shareholdings of Van Eck Associates

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Jacobs Engineering	United States	0.59	43.54	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Vanguard

Vanguard currently has an estimated USD\$ 13,684.59 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 171 provides an overview of the nuclear weapon companies in which Vanguard owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 171 Shareholdings of Vanguard

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	5.21	176.20	31-Mar-2013
Alliant Techsystems	United States	5.34	124.61	31-Mar-2013
Babcock & Wilcox	United States	4.77	152.17	31-Mar-2013
Babcock International	United Kingdom	0.57	35.12	06-Feb-2013 until 01-Jun-2013
BAE Systems	United Kingdom	1.33	216.68	09-Oct-2012 until 14-Jan-2013
Boeing	United States	4.43	2,885.20	31-Mar-2013
EADS	Netherlands	1.54	430.40	9-Oct-2012
Fluor	United States	5.21	563.11	31-Mar-2013
GenCorp	United States	3.97	31.98	31-Mar-2013
General Dynamics	United States	4.77	1,188.11	31-Mar-2013

Honeywell International	United States	4.36	2,585.87	31-Mar-2013
Huntington Ingalls Industries	United States	6.09	162.88	31-Mar-2013
Jacobs Engineering	United States	6.01	442.02	31-Mar-2013
Larsen & Toubro*	India	0.74	128.01	30-Apr-2013
Lockheed Martin	United States	3.97	1,227.61	31-Mar-2013
Northrop Grumman	United States	4.84	797.76	31-Mar-2013
Rockwell Collins	United States	6.30	539.50	31-Mar-2013
Rolls-Royce	United Kingdom	0.57	183.43	21-Jan-2013 until 03-Jun-2013
Safran	France	0.56	115.40	30-Apr-2013
SAIC	United States	5.40	250.39	31-Mar-2013
Serco	United Kingdom	0.59	27.05	27-Feb-2013 until 11-Jun-2013
Thales	France	0.53	46.67	30-Apr-2013
ThyssenKrupp	Germany	0.81	75.19	30-Apr-2013
URS	United States	4.72	169.90	31-Mar-2013

* Including Larsen and Toubro Sponsored GDR Representing 1 Ordinary Share

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 172 provides an overview of the nuclear weapon companies in which Vanguard Group owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 172 Bondholdings of Vanguard Group

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Boeing	United States	3.02	273.79	31-Mar-13
Fluor	United States	1.52	7.98	31-Mar-13
General Dynamics	United States	6.78	264.26	31-Mar-13
Honeywell International	United States	3.65	221.71	31-Mar-13
Huntington Ingalls Industries	United States	6.36	76.31	31-Mar-13
Lockheed Martin	United States	2.79	193.73	31-Mar-13
Northrop Grumman	United States	0.72	42.33	31-Mar-13
Rockwell Collins	United States	1.56	11.73	31-Mar-13
SAIC	United States	1.52	19.69	31-Mar-13
URS	United States	1.53	17.80	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Victory Capital Management

Victory Capital Management currently has an estimated USD\$ 134.17 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 173 provides an overview of the nuclear weapon companies in which Victory Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 173 Shareholdings of Victory Capital Management

Company	Country	% of all outstanding	Value (US\$ mln)	Filing date (range)
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		shares		
General Dynamics	United States	0.54	134.17	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Viking Global Investors

Viking Global Investors currently has an estimated USD\$ 1,483.13 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 174 provides an overview of the nuclear weapon companies in which Viking Global Investors owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 174 Shareholdings of Viking Global Investors

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Boeing	United States	1.63	1,062.40	31-Mar-2013
EADS	Netherlands	1.52	423.73	10-Oct-2012

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Washington Trust Bancorp

Washington Trust Bancorp currently has an estimated USD\$ 30.03 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 175 provides an overview of the nuclear weapon companies in which Washington Trust Bancorp owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 175 Shareholdings of Washington Trust Bancorp

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	0.89	30.03	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Water Asset Management

Water Asset Management currently has an estimated USD\$ 26.51 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 176 provides an overview of the nuclear weapon companies in which Water Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 176 Shareholdings of Water Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Aecom	United States	0.78	26.51	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Wedge Capital Management

Wedge Capital Management currently has an estimated USD\$ 217.28 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 177 provides an overview of the nuclear weapon companies in which Wedge Capital Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 177 Shareholdings of Wedge Capital Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Huntington Ingalls Industries	United States	2.13	57.07	31-Mar-2013
URS	United States	4.45	160.21	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Wellington Management

Wellington Management currently has an estimated USD\$ 4,939.37 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 178 provides an overview of the nuclear weapon companies in which Wellington Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 178 Shareholdings of Wellington Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock International	United Kingdom	0.56	34.06	1-Jun-2013
Boeing	United States	1.62	1,054.13	31-Mar-2013
General Dynamics	United States	1.74	434.34	31-Mar-2013
Honeywell International	United States	3.29	1,948.92	31-Mar-2013
Jacobs Engineering	United States	2.40	176.32	31-Mar-2013
Lockheed Martin	United States	1.81	558.82	31-Mar-2013
Nortrop Grumman	United States	1.48	243.96	31-Mar-2013
Rolls-Royce	United Kingdom	0.82	240.97	25-Feb-2013
Safran*	France	1.12	247.85	31-May-2013

* Including Safran ADR Representing 1 Ordinary Shares

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Wells Fargo

Wells Fargo currently has an estimated USD\$ 5,335.94 million invested or available for the nuclear weapons producers identified in this report.

Loans

In September 2010, **Aecom** secured a US\$600 million four-year term credit agreement at a base rate of LIBOR+250.000bps. The proceeds were used for general corporate purposes, to increase working capital, for refinancing and acquisition needs. Under the credit agreement, Aecom borrowed US\$ 600 million in term loans and may borrow up to an additional \$100 million in term loans upon request

subject to certain conditions. Wells Fargo was part of the ten bank syndicate and provided an estimated US\$ 45 million.³³⁹

In July 2011, **Aecom** entered into an amended revolving credit facility, with a borrowing capacity of US\$ 1,050 million at a base rate of LIBOR+150.000bps and a five-year expiration date. The proceeds would be used as working capital and for general corporate purposes. Wells Fargo was one of the four bookrunners in the ten bank syndicate, participating with an estimated US\$ 105 million.³⁴⁰

In September 2011, **Aecom** secured a US\$ 600 million five-year term loan at a base rate of LIBOR+175.000bps, amending and replacing an existing credit agreement from September 2010. The proceeds were used to refinance bank debt and for general corporate purposes. Wells Fargo was part of the eleven bank syndicate and provided an estimated US\$ 33 million.³⁴¹

In June 2013, **Aecom** entered into a US\$ 750 million five-year term loan at a base rate of LIBOR+150.000bps, a second amendment to an existing credit agreement from 2010. The proceeds were destined for capital expenditures, to repay all obligations owing under the existing credit agreement, and for other general corporate purposes. Wells Fargo was part of the 24 bank syndicate and participated with an estimated US\$ 20 million.³⁴²

In October 2010, **Alliant Techsystems** secured a US\$ 1,000 million five-year credit facility, comprising a US\$ 600 million revolver and a US\$ 400 million term loan. The proceeds were used for refinancing, to increase working capital and to finance capital expenditures and acquisitions. Wells Fargo was one of the five bookrunners in the syndicate of 20 banks and provided US\$ 80 million.³⁴³

In September 2012, **Alliant Techsystems** secured a US\$ 200 million five-year credit facility at a base rate of LIBOR+225.000bps. The proceeds were used for refinancing and for general corporate purposes. Wells Fargo was one of the four bookrunners in a syndicate of 13 banks and provided an estimated US\$ 20 million.³⁴⁴

In May 2010, Babcock & Wilcox Investment Company, a subsidiary of **Babcock & Wilcox**, secured a four-year revolving credit facility with a value of US\$ 700 million at a base rate of LIBOR+250.000bps. The proceeds were used for working capital, capital expenditure, refinancing and general corporate purposes. Wells Fargo was part of the 17 bank syndicate, committing an estimated amount of US\$ 28 million.³⁴⁵

In June 2012, **Babcock & Wilcox** secured a US\$ 700 million five-year credit facility at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing and general corporate purposes. Wells Fargo was one of the four bookrunners in a syndicate of 17 banks, participating with US\$ 62.5 million.³⁴⁶

In December 2010, **BAE Systems** secured a five-year revolving credit facility with a value of £ 2,000 million (US\$ 3,161 million). The proceeds were used for refinancing and general corporate purposes. Wells Fargo was part of the 24 bank syndicate, committing an estimated amount of US\$ 132 million.³⁴⁷

In June 2011, **Bechtel** signed a five-year revolving credit facility with a value of US\$ 2,500 million. The facility is split in two tranches: a US\$ 1,550 million letter of credit and a US\$ 950 million revolver. The proceeds would be used to refinance debt and for working capital purposes. Wells Fargo was part of the syndicate of 24 banks, and committed an estimated amount of US\$ 75 million.³⁴⁸

In November 2010, **Boeing** secured a one-year revolving credit facility with a value of US\$ 2,376 million. The proceeds were used to refinance the loan from November 2009 and for general corporate purposes. Wells Fargo was part of the syndicate of 37 banks, participating with an estimated amount of US\$ 40.7 million.³⁴⁹

In November 2011, **Boeing** entered into a US\$ 4,600 million revolving credit facility. The facility was split in two tranches: a one-year US\$ 2,300 million tranche at a base rate of LIBOR+82.500bps, which replaced the loan secured in November 2010, and a five-year US\$ 2,300 million tranche at a base rate

of LIBOR+79.500bps. The proceeds were used for refinancing bank debt and general corporate purposes. Wells Fargo participated in the syndicate of 35 banks, providing an estimated amount of US\$ 83.6 million.³⁵⁰

In December 2010, **CH2M Hill** secured a US\$ 600 million revolving credit facility due December 2015 at a base rate of LIBOR+150.000bps. The proceeds were used for general corporate purposes. Wells Fargo participated in the five bank syndicate, committing an estimated amount of US\$ 120 million.³⁵¹

In April 2012, **CH2M Hill** signed a US\$ 900 million revolving credit facility due April 2017 at a base rate of LIBOR+150.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Wells Fargo participated in the nine bank syndicate, committing an estimated amount of US\$ 135 million.³⁵²

In November 2011, **GenCorp** entered into a US\$ 200 million revolving credit facility due November 2016 at a base rate of LIBOR+325.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Wells Fargo participated in the five bank syndicate, committing an estimated amount of US\$ 40 million.³⁵³

In August 2012, **GenCorp** secured a US\$ 50 million amended delayed draw term loan due August 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for refinancing bank debt. Wells Fargo participated in the four bank syndicate, committing an estimated amount of US\$ 12.5 million.³⁵⁴

In July 2010, **General Dynamics** secured a three-year revolving credit facility with a value of US\$ 1,000 million at a base rate of LIBOR+50.000bps. The proceeds were used to refinance the loan secured in July 2009 and to provide a backup for commercial paper. Wells Fargo participated in the 21 bank syndicate, committing an estimated amount of US\$ 80 million.³⁵⁵

In July 2011, **General Dynamics** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+37.500bps. The facility was split in two tranches: a US\$ 1,000 million tranche due July 2016 and a US\$ 1,000 million tranche due July 2013, which replaced the loan secured in July 2010. The proceeds were used for refinancing and for general corporate purposes. Wells Fargo participated in the 22 bank syndicate, committing an estimated amount of US\$ 160 million.³⁵⁶

In June 2013, **General Dynamics** entered into a US\$ 1,000 million revolving credit facility due June 2018 at a base rate of LIBOR+87.500bps. The proceeds were used for refinancing. Wells Fargo participated in the seven bank syndicate, committing an estimated amount of US\$ 142.9 million.³⁵⁷

In March 2011, **Honeywell International** secured a five-year revolving credit facility with a value of US\$ 2,800 million. The proceeds were used for general corporate purposes. Wells Fargo participated in the 29 bank syndicate, committing an amount of US\$ 50 million.³⁵⁸

In March 2011, **Huntington Ingalls Industries** entered into a US\$ 1,225 million credit facility. The facility was split in two tranches: a US\$ 650 million revolving credit facility due January 2016 at a base rate of LIBOR+300.000bps and a US\$ 575 million term loan due January 2017 at a base rate of LIBOR+325.000bps. The proceeds were used for general corporate purposes. Wells Fargo participated in the syndicate of 20 banks, providing an estimated amount of US\$ 122.5 million.³⁵⁹

In March 2012, **Jacobs Engineering** entered into a US\$ 1,160 million revolving credit facility due March 2017 at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes. Wells Fargo participated in the eight bank syndicate, committing an estimated amount of US\$ 154.7 million.³⁶⁰

In August 2011, **Lockheed Martin** secured a five-year revolving credit facility with a value of US\$ 1,500 million at a base rate of LIBOR+100.000bps. The proceeds were used for general corporate purposes. Wells Fargo participated in the 21 bank syndicate, committing an amount of US\$ 120 million.³⁶¹

In September 2011, **Northrop Grumman** secured a revolving credit facility with a value of US\$ 2,000 million at a base rate of LIBOR+75.000bps. The facility was divided in two tranches: a US\$ 500 million tranche due September 2012 and a US\$ 1,500 million tranche due September 2016. The proceeds were used for general corporate purposes. Wells Fargo participated in the 11 bank syndicate, committing an estimated amount of US\$ 200 million.³⁶²

In September 2012, **Northrop Grumman** secured a US\$ 500 million revolving credit facility due September 2013 at a base rate of LIBOR+75.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Wells Fargo participated in the 28 bank syndicate, committing an estimated amount of US\$ 50 million.³⁶³

In May 2011, **Rockwell Collins** entered into a US\$ 850 million five-year unsecured revolving credit at a base rate of LIBOR+87.500bps. The proceeds were used for general corporate purposes, acquisition and refinancing debt. Wells Fargo was part of the syndicate of 12 banks, participating with an amount of US\$ 85 million.³⁶⁴

In March 2011, **SAIC** signed a US\$ 750 million revolving credit facility due March 2015 at a base rate of LIBOR+120.000bps. The proceeds were used for general corporate purposes and refinancing of a 2007 loan. Wells Fargo was part of the syndicate of nine banks, participating with an estimated amount of US\$ 64.3 million.³⁶⁵

In February 2012, **SAIC** entered into a US\$ 750 million revolving credit facility due February 2016 at a base rate of LIBOR+120.000bps. The proceeds were used for refinancing bank debt and general corporate purposes. Wells Fargo was part of the syndicate of six banks, participating with an estimated amount of US\$ 112.5 million.³⁶⁶

In April 2013, **SAIC** secured a US\$ 750 million revolving credit facility due April 2017 at a base rate of LIBOR+120.000bps. The proceeds were used for refinancing bank debt. Wells Fargo was part of the syndicate of six banks, participating with an estimated amount of US\$ 112.5 million.³⁶⁷

In October 2011, **URS** entered into a US\$ 1,700 million credit facility at a base rate of LIBOR+150.000bps due October 2016. The facility was split in two tranches: a US\$ 1,000 million revolving credit facility and a US\$ 700 million term loan. The proceeds were used for refinancing bank debt and general corporate purposes. Wells Fargo participated in the syndicate of 16 banks, providing an estimated amount of US\$ 170 million.³⁶⁸

In March 2012, **URS** entered into a US\$ 500 million bridge loan due March 2013 at a base rate of LIBOR+175.000bps. The proceeds will be used for future acquisitions. Wells Fargo was part of the syndicate of ten banks, participating with an estimated amount of US\$ 42.9 million.³⁶⁹

Investment banking

In September 2010, **Alliant Techsystems** issued 6.875% ten-year bonds for US\$ 350 million. The proceeds were used for general corporate purposes and to reduce indebtedness. Wells Fargo, part of the seven bank syndicate, underwrote US\$ 37 million.³⁷⁰

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. Wells Fargo participated in the syndicate of 31 banks, underwriting an amount of US\$ 22.5 million.³⁷¹

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. Wells Fargo participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 4 million.³⁷²

In September 2011, **Fluor** issued bonds with a total value of US\$ 500 million with an interest rate of 3.375% due September 2021. The proceeds were used for general corporate purposes. Wells Fargo participated in the syndicate of 17 banks, underwriting an amount of US\$ 15 million.³⁷³

In January 2013, **GenCorp** issued bonds with a total value of US\$ 460 million with an interest rate of 7.125% due March 2021. The proceeds were used for future acquisitions and general corporate purposes. Wells Fargo participated in the syndicate of four banks, underwriting an estimated amount of US\$ 115 million.³⁷⁴

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. Wells Fargo participated in the 21 bank syndicate, underwriting an amount of US\$ 180 million.³⁷⁵

In November 2012, **General Dynamics** issued bonds with a total value of US\$ 2,400 million. The issue was split in three tranches: a US\$ 1,000 million 2.250% tranche due November 2022, a US\$ 900 million 1.000% tranche due November 2017 and a US\$ 500 million 3.600% tranche due November 2042. The proceeds were used for reduce indebtedness and general corporate purposes. Wells Fargo participated in the 18 bank syndicate, underwriting an amount of US\$ 336 million.³⁷⁶

In March 2011, **Huntington Ingalls Industries** issued bonds with a total value of US\$ 1,200 million. The issue was split in two tranches: a US\$ 600 million 7.125% tranche due March 2021 and a US\$ 600 million 6.875% tranche due March 2016. The proceeds were used for general corporate purposes. Wells Fargo participated in the 13 bank syndicate, underwriting an estimated amount of US\$ 225 million.³⁷⁷

In September 2011, **Lockheed Martin** issued bonds with a total value of US\$ 2,000 million. The issue was split in three tranches: a US\$ 500 million 2.125% tranche due September 2016, a US\$ 900 million 3.350% tranche due September 2021 and a US\$ 600 million 4.850% tranche due September 2041. The proceeds were used for general corporate purposes and to reduce indebtedness. Wells Fargo participated in the 15 bank syndicate, underwriting an amount of US\$ 220 million.³⁷⁸

In November 2010, **Northrop Grumman** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.850% tranche due November 2015, a US\$ 300 million 5.050% tranche due November 2040 and a US\$ 700 million 3.500% tranche due March 2021. The proceeds were used for general corporate purposes, to reduce indebtedness and for working capital. Wells Fargo participated in the 12 bank syndicate, underwriting an amount of US\$ 150 million.³⁷⁹

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. Wells Fargo participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 356.3 million.³⁸⁰

In December 2010, **SAIC** issued bonds with a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 450 million 4.450% tranche due December 2020 and a US\$ 300 million 5.950% tranche due December 2040. The proceeds were used for repurchasing additional shares of common stock and general corporate purposes. Wells Fargo participated in the ten bank syndicate, underwriting an estimated amount of US\$ 26.8 million.³⁸¹

In March 2012, **URS** issued bonds with a total value of US\$ 1,000 million. The issue was split in two tranches: a US\$ 400 million 3.850% tranche due April 2017 and a US\$ 600 million 5.000% tranche due April 2022. The proceeds were used for paying fees and expenses, reducing indebtedness, acquisition and general corporate purposes. Wells Fargo participated in the four bank syndicate, underwriting an estimated amount of US\$ 250 million.³⁸²

Asset management

Table 179 provides an overview of the nuclear weapon companies in which Wells Fargo owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 179 Shareholdings of Wells Fargo

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock & Wilcox	United States	1.37	43.83	31-Mar-2013
Boeing	United States	0.76	502.42	31-Mar-2013
Fluor	United States	0.52	56.87	31-Mar-2013
General Dynamics	United States	0.89	223.09	31-Mar-2013
Huntington Ingalls Industries	United States	4.41	117.53	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 180 provides an overview of the nuclear weapon companies in which Wells Fargo owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 180 Bondholdings of Wells Fargo

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	0.53	2.90	30-Apr-13
URS	United States	0.92	10.70	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

Western & Southern Mutual

Western & Southern Mutual currently has an estimated USD\$ 198.46 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 181 provides an overview of the nuclear weapon companies in which Western & Southern Mutual owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 181 Shareholdings of Western & Southern Mutual

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Alliant Techsystems	United States	3.21	74.81	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Table 182 provides an overview of the nuclear weapon companies in which Western & Southern Mutual owns or manages 0.50% or more of the outstanding bonds at the most recent available filing date.

Table 182 Bondholdings of Western & Southern Mutual

Company	Country	% of all outstanding bonds	Value (US\$ mln)	Filing date (range)
BAE Systems	United Kingdom	0.18	8.60	31-Mar-13

Honeywell International	United States	0.29	17.50	31-Mar-13
Lockheed Martin	United States	1.10	76.58	31-Mar-13
Northrop Grumman	United States	0.29	17.07	31-Mar-13
Rockwell Collins	United States	0.13	1.00	31-Mar-13

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed July 2013.

William Blair & Company

William Blair & Company currently has an estimated USD\$ 6.28 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 183 provides an overview of the nuclear weapon companies in which William Blair & Company owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 183 Shareholdings of William Blair & Company

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
Babcock International	United Kingdom	3.21	192.20	31-Mar-2013
Jacobs Engineering	United States	2.23	163.83	31-Mar-2013
Rolls-Royce*	United Kingdom	0.84	269.86	31-Mar-2013

* Including Rolls-Royce ADR Representing 5 Ordinary Shares.

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Williams Capital

Williams Capital currently has an estimated USD\$ 185.10 million invested or available for the nuclear weapons producers identified in this report.

Investment banking

In July 2011, Boeing Capital Corporation, a subsidiary of **Boeing**, issued bonds for a total value of US\$ 750 million. The issue was split in two tranches: a US\$ 500 million 2.125% tranche due August 2016 and a US\$ 250 million 2.900% tranche due August 2018. The proceeds were used for general corporate purposes and to reduce indebtedness. Williams Capital participated in the syndicate of 31 banks, underwriting an amount of US\$ 7.5 million.³⁸³

In April 2013, **Boeing** issued bonds with a total value of US\$ 350 million with an interest rate of 0.950% due November 2018. The proceeds were used for general corporate purposes. Williams Capital participated in the syndicate of 26 banks, underwriting an estimated amount of US\$ 4 million.³⁸⁴

In July 2011, **General Dynamics** issued bonds with a total value of US\$ 1,500 million. The issue was split in three tranches: a US\$ 500 million 1.375% tranche due January 2015, a US\$ 500 million 2.250% tranche due July 2016 and a US\$ 500 million 3.875% tranche due July 2021. The proceeds were used for general corporate purposes. Williams Capital participated in the 21 bank syndicate, underwriting an amount of US\$ 30 million.³⁸⁵

In November 2012, **General Dynamics** issued bonds with a total value of US\$ 2,400 million. The issue was split in three tranches: a US\$ 1,000 million 2.250% tranche due November 2022, a US\$ 900 million 1.000% tranche due November 2017 and a US\$ 500 million 3.600% tranche due November 2042. The proceeds were used for reduce indebtedness and general corporate purposes. Williams Capital participated in the 18 bank syndicate, underwriting an amount of US\$ 108 million.³⁸⁶

In May 2013, **Northrop Grumman** issued bonds with a total value of US\$ 2,850 million. The issue was split in three tranches: a US\$ 1,050 million 3.250% tranche due August 2023, a US\$ 950 million 4.750% tranche due June 2043 and a US\$ 850 million 1.750% tranche due June 2018. The proceeds were used for reducing indebtedness, future acquisitions, working capital, stock repurchase and general corporate purposes. Williams Capital participated in the 26 bank syndicate, underwriting an estimated amount of US\$ 35.6 million.³⁸⁷

Winslow Asset Management

Winslow Asset Management currently has an estimated USD\$ 16.70 million invested or available for the nuclear weapons producers identified in this report.

Asset management

Table 184 provides an overview of the nuclear weapon companies in which Winslow Asset Management owns or manages 0.50% or more of the outstanding shares at the most recent available filing date.

Table 184 Shareholdings of Winslow Asset Management

Company	Country	% of all outstanding shares	Value (US\$ mln)	Filing date (range)
GenCorp	United States	2.08	16.70	31-Mar-2013

Source: Thomson ONE Banker, "Share ownership", *Thomson ONE Banker* (www.thomsonone.com), viewed July 2013.

Hall of Fame and Runners-up

To identify financial institutions with a policy on nuclear weapons, we researched a variety of sources: NGO reports, screening-agency information, financial institutions' reports and websites, information from campaigners worldwide and other public sources. Based on these, a list of financial institutions was compiled which could possibly have a specific nuclear weapons policy. **This is not a comprehensive list.** Websites and other publications of these financial institutions were researched to check their nuclear weapon policy. In addition, each of the Hall of Fame institutions were contacted before this report was published to confirm their institution description and to clarify any outstanding questions on their policies or investments.

The financial institutions for which a nuclear weapons policy was actually found, were grouped in two categories. Financial institutions with a clear and comprehensive nuclear weapons exclusion policy are included in the "Hall of Fame", while financial institutions whose nuclear weapons policy is less strict or clear are included in the "Runners-up" category. To be included in the Hall of Fame, the nuclear weapons policy of the financial institution must meet the following criteria:

- The financial institution has published its policy and/or a summary of it;
- The policy excludes investments in nuclear weapon companies (withdrawing past investments and avoiding future investments)
- The policy has an 'all-in' comprehensive scope:
 - no exceptions for any types of nuclear weapon companies
 - no exceptions for any types of activities by nuclear weapon companies
 - no exceptions for any type of financing or investment by the financial institution

Financial institutions whose nuclear weapon policy does not meet all of the above criteria are included in the "Runners-up" category.

No financial institutions were identified with a clear and comprehensive nuclear weapons exclusion policy.

Methodology

Which financial institutions are involved in the financing of the selected nuclear weapon companies was researched by using annual reports, stock exchange filings and other publications of the companies concerned, archives of trade magazines, local newspapers and the financial press as well as specialized financial databases (Thomson ONE, Bloomberg). Used resources are clearly mentioned.

If the amounts per financial institution were known, these amounts were used. If the amounts were unknown, an estimate was used. The estimates are based on the following rules of thumb:

- In the case of loans (corporate loans or revolving credit facilities), 40% of the total amount is committed by bookrunners and 60% by other participants of the syndicate. If, however, the amount of bookrunners is (almost) equal to, or higher than, the amount of participants, the reverse is used: 60% for the bookrunners and 40% for the arrangers. So if there are for example 5 bookrunners and 4 participants and the amount of the loan is € 100, the estimate will be that the bookrunners commit 60% (€ 12 each) and the participants 40% (€ 10 each). The amount provided by bookrunners is *always* higher than the amount provided by participants;
- In the case of share- and bond issuances, 75% of the total amount is committed by bookrunners and 25% by other participants of the syndicate. The amount provided by bookrunners should *always* be higher than the amount provided by participants.
- In the case of share- and bondholdings, the amounts are always known, so no estimate was needed.

All forms of financing meeting the specified criteria are identified, providing the following information for each form of financing:

- Name of the company receiving financing;
- Type of financing (loan, guarantee, share issuance, bond issuance, share ownership, bond ownership, other);
- Total amount;
- Date;
- Purpose (if known);
- For loans and bonds: Maturity and interest rate;
- Name and country of origin of the financial institutions involved;
- Amounts provided by each financial institution.

A full overview of all financial institutions involved in financing the 27 selected nuclear weapons companies is provided in a separate spreadsheet available upon request. In this report, we have focussed on the financial institutions which are found to have the most significant financing relationships with one or more of the 27 selected nuclear weapon companies. To select these financial institutions, the following criteria were used:

- All financial institutions involved in loans and underwriting deals for one or more of the 27 companies since 1 January 2010;
- All financial institutions which own at least 0.5% of the outstanding shares of at least one of the 27 companies.

Details on the loans and underwriting they were involved in since early 2010 and the shareholdings and bondholdings they own or manage (when above 0.5% of the outstanding shares or bonds) in relation to the 27 selected companies, are reported by financial institution.

Definitions

The following definitions are used in this report:

- **Financial institutions:** banks, pension funds, asset managers, insurance companies and other financial institutions from any country in the world;

- **Substantive involvement in financing:** financial institutions can be involved in financing nuclear weapon companies by providing corporate loans, project finance or working capital facilities; by underwriting share and bond issuances; and by (managing) investments in shares and bonds of these companies.
- All loans and underwriting deals since 1 January 2010 are considered to be of substantive importance. Also loans which have been closed before that date but have not yet matured at the time of writing are included.
- Share- and bond holdings at the most recent filing date are considered to be substantive if they cross the threshold of 0.5% of the company's outstanding shares or bonds.
- **Nuclear weapon companies:** all companies involved in producing or maintaining nuclear weapons or significant, specific components thereof. Which share this activity constitutes of the company's turnover is not deemed relevant;

Nuclear Weapons Producers

Aecom (United States)

Aecom provides professional technical and management support services and along with Babcock & Wilcox, Northrop Grumman and CH2M Hill manages the Nevada National Security Site (NNSS), previously known as the Nevada Test Site, a key fixture in the US nuclear weapons infrastructure.

Alliant Techsystems (United States)

Alliant Techsystems (ATK) produces rocket propulsion systems for Trident II submarine launched ballistic missiles. ATK was also responsible for refurbishing the Minuteman III intercontinental ballistic missiles to keep them operational until at least 2030.

Babcock & Wilcox (United States)

Babcock & Wilcox and its subsidiaries manage and operate several US nuclear weapons facilities including the Y-12 National Security Complex, Savannah River Site, Kansas City Plant, Los Alamos National Laboratory and Sandia National Laboratories. It also manages and operates the Pantex plant of the National Nuclear Security Administration where nuclear warhead modernisation takes place.

Babcock International (United Kingdom)

Babcock International is involved in the long-term technical engineering support and will provide the launch system for a new class of submarines equipped with nuclear missiles for the UK Royal Navy. It is also involved in the maintenance of the four Vanguard-class submarines of the British navy, each of which carries 16 Trident nuclear weapons.

BAE Systems (United Kingdom)

BAE Systems is involved in the development of a new class of nuclear-armed submarine for the United Kingdom to replace the Vanguard class. It was also part of a joint venture that produced nuclear missiles for the French air force.

Bechtel (United States)

Bechtel manages the Los Alamos and Lawrence Livermore national laboratories in the United States, which research, design and develop nuclear weapons, and monitor the "safety and reliability" of the entire US nuclear weapons stockpile as well as the Y-12 National Security Complex where nuclear weapons are produced and refurbished.

Bharat Electronics (India)

Bharat Electronics is involved in the development of the Akash, a mid-range surface-to-air nuclear-capable missile system developed by India's state-owned Defence Research and Development Organisation (DRDO).

Boeing (United States)

Boeing is involved in the maintenance of the Minuteman III nuclear intercontinental ballistic missiles in the US arsenal. It is responsible for guidance, flight controls, secure codes, weapons systems testing and engineering. Boeing also produces the B-52 Stratofortress, which is a long-range, strategic heavy bomber capable of dropping or launching nuclear cruise missiles.

CH2M Hill (United States)

CH2M Hill, together with Aecom, Babcock & Wilcox and Northrop Grumman, is a joint venture partner in National Security Technologies (NSTec) that manages the Nevada National Security Site (NNSS), previously known as the Nevada Test Site, a key fixture in the US nuclear weapons infrastructure.

EADS (The Netherlands)

The European Aeronautic Defence and Space Company, or EADS, is a Dutch company that produces and maintains submarine-launched nuclear missiles for the French navy, and is part of a joint venture that built nuclear missiles for the French air force.

Fluor (United States)

Fluor is the lead partner in Savannah River Nuclear Solutions (SRNS), responsible for site management and operation, environmental management,

management of the nuclear arsenal, the removal of excess nuclear materials, and environmental services. The Tritium Extraction Facility at the Savannah River Site is the only source of new tritium for the US nuclear stockpile.

GenCorp (United States)

GenCorp is involved in the design, development and production of land- and sea-based nuclear ballistic missile systems for the United States. It is currently producing propulsion systems for Minuteman III and D5 Trident nuclear missiles.

General Dynamics (United States)

General Dynamics provides maintenance, engineering and technical support for US nuclear-armed submarines. It built the Ohio-class submarines for the US navy, many of which are equipped with Trident nuclear-tipped missiles.

Honeywell International (United States)

Honeywell International produces approximately 85 per cent of the non-nuclear components for US nuclear weapons, as well as tritium production at the Savannah River Site. It is involved in simulated nuclear testing and the life-extension programme for the US navy's Trident II nuclear missiles.

Huntington Ingalls Industries (United States)

Huntington Ingalls Industries (HII) designs, constructs and maintains nuclear and non-nuclear ships for the US Navy and Coast Guard. It is also involved in site management and operation, environmental management, management of the nuclear arsenal, the removal of excess nuclear materials, environmental services, and tritium production at the Savannah River Site.

Jacobs Engineering (United States)

Jacobs Engineering Group owns a one-third share in the joint venture AWE-ML, the company that manages the UK Atomic Weapons Establishment, which designs, manufactures and maintains the nuclear warheads for the United Kingdom's submarine-launched intercontinental ballistic missiles.

Larsen & Toubro (India)

Larsen & Toubro is involved in designing and building the Advanced Technology Vessel, the future nuclear-armed submarine of the Indian navy. It is also responsible for developing the launcher system for the nuclear-capable surface-to-air Akash missile system

Lockheed Martin (United States)

Lockheed Martin is involved in the production and maintenance of nuclear weapons for both the United States and United Kingdom. It is responsible for the construction of submarine-launched Trident II D5 nuclear missiles.

Northrop Grumman (United States)

Northrop Grumman Corporation is responsible for the production and maintenance of the Minuteman III nuclear Intercontinental Ballistic Missiles (ICBM). It is also the managing partner of NSTec, the consortium that maintains the Nevada National Security Site (NNSS), previously known as Nevada Test Site.

Rockwell Collins (United States)

Rockwell Collins is involved in the Minuteman Modernization Program Upgrade. The company was selected to improve the satellite communications capacity of the Minuteman Launch Control Centers.

Rolls-Royce (United Kingdom)

Rolls-Royce is part of a joint venture in the United Kingdom to develop Successor, a new class of nuclear-armed submarine. It is also involved in the maintenance of the existing fleet of Vanguard-class nuclear-armed submarines.

Safran (France)

Safran is part of a joint venture to build M51 submarine-launched nuclear missiles for the French navy, which each deliver multiple warheads. Its subsidiaries Snecma and Sagem provide the propulsion and navigation systems for these missiles.

SAIC (United States)

Science Applications International Corporation (SAIC) supports the development and deployment of production technologies for materials, production, purchasing, and inspection and testing of replacement parts used in nuclear weapons and ballistic missiles, and for joint test assemblies.

Serco (United Kingdom)

Serco owns a one-third share in the joint venture AWE-ML, which runs the British Atomic Weapons Establishment. It is responsible for manufacturing and maintaining the nuclear warheads for the country's submarine fleet.

Thales (France)

Thales is part of a joint venture to build the new M51 submarine-launched nuclear missiles for the French navy, which each deliver multiple warheads. EADS's subsidiary Astrium is the lead contractor, whereas Thales is a main subcontractor.

ThyssenKrupp (Germany)

ThyssenKrupp's division ThyssenKrupp Marine Systems (TKMS) is building the Dolphin submarines for the Israeli army. Construction is taking place in Germany, according to Israeli design specifications, hosting Israeli-developed command, control and combat systems including, according to various media reports, land-attack and cruise missiles capable of carrying nuclear warheads

URS (United States)

URS is a fully integrated engineering, construction and technical services organization responsible for managing the Los Alamos and Lawrence Livermore National Laboratories for the US. For both labs, URS

is responsible for managing the labs' nuclear and other technically complex operations.

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