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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2013 Navy	<b>DATE:</b> February 2012
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<b>APPROPRIATION/BUDGET ACTIVITY</b>	<b>R-1 ITEM NOMENCLATURE</b>										
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	PE 0603570N: <i>Advanced Nuclear Power Systems</i>										
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	364.644	463.683	249.748	-	249.748	430.986	481.522	486.488	476.765	Continuing	Continuing
1258: <i>Nuclear Technology Development</i>	55.728	59.170	59.945	-	59.945	60.723	61.967	63.242	64.583	Continuing	Continuing
2692: <i>CVN 21 Propulsion Plant Development</i>	66.304	65.808	62.020	-	62.020	57.493	56.469	-	-	0.000	308.094
3219: <i>SBSD Nuclear Technology Development</i>	178.345	285.367	81.817	-	81.817	296.021	360.398	420.770	409.666	Continuing	Continuing
3221: <i>Training Platform Replacement</i>	64.267	51.340	43.875	-	43.875	14.657	0.498	-	-	0.000	174.637
4000: <i>Tactical Energy Investment</i>	-	1.998	2.091	-	2.091	2.092	2.190	2.476	2.516	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

The details of this program element are classified CONFIDENTIAL and are submitted annually to Congress in the classified budget justification books.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
Previous President's Budget	366.509	463.683	515.256	-	515.256
Current President's Budget	364.644	463.683	249.748	-	249.748
Total Adjustments	-1.865	-	-265.508	-	-265.508
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-264.802	-	-264.802
• Rate/Misc Adjustments	-	-	-0.706	-	-0.706
• Congressional General Reductions Adjustments	-1.865	-	-	-	-

**Change Summary Explanation**

Technical: Not applicable.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy		DATE: February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>
Schedule: Not applicable.		

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy									<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>				<b>PROJECT</b> 1258: <i>Nuclear Technology Development</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
1258: <i>Nuclear Technology Development</i>	55.728	59.170	59.945	-	59.945	60.723	61.967	63.242	64.583	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**  
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> Nuclear Technology Development  <div style="text-align: right; margin-right: 20px;"><b>Articles:</b></div>	55.728 0	59.170 0	59.945 0
<b>FY 2011 Accomplishments:</b> N/A			
<b>FY 2012 Plans:</b> N/A			
<b>FY 2013 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	55.728	59.170	59.945

**C. Other Program Funding Summary (\$ in Millions)**  
N/A

**D. Acquisition Strategy**  
N/A

**E. Performance Metrics**  
N/A

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy									<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>				<b>PROJECT</b> 2692: <i>CVN 21 Propulsion Plant Development</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
2692: <i>CVN 21 Propulsion Plant Development</i>	66.304	65.808	62.020	-	62.020	57.493	56.469	-	-	0.000	308.094
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**  
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> CVN 21 Propulsion Plant Development	66.304	65.808	62.020
<b>Articles:</b>	0	0	0
<b>Description:</b> N/A			
<b>FY 2011 Accomplishments:</b> N/A			
<b>FY 2012 Plans:</b> N/A			
<b>FY 2013 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	66.304	65.808	62.020

**C. Other Program Funding Summary (\$ in Millions)**

<b>Line Item</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• SCN/2001: <i>Carrier Replacement Program</i>	2,615.756	554.798	608.195	0.000	608.195	666.129	2,999.085	1,662.208	2,867.641	14,664.572	26,638.384
• SCN/5300: <i>Completion of PY Shpbldg Progr</i>	0.000	0.000	0.000	0.000	0.000	449.000	362.000	0.000	0.000	0.000	811.000

**D. Acquisition Strategy**  
N/A

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>	<b>PROJECT</b> 2692: <i>CVN 21 Propulsion Plant Development</i>
<b><u>E. Performance Metrics</u></b> N/A		

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy									<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>				<b>PROJECT</b> 3219: <i>SBSD Nuclear Technology Development</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
3219: <i>SBSD Nuclear Technology Development</i>	178.345	285.367	81.817	-	81.817	296.021	360.398	420.770	409.666	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**  
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> SBSD Nuclear Technology Development  <div style="text-align: right;"><b>Articles:</b></div>	178.345 0	285.367 0	81.817 0
<b>Description:</b> N/A			
<b>FY 2011 Accomplishments:</b> N/A			
<b>FY 2012 Plans:</b> N/A			
<b>FY 2013 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	178.345	285.367	81.817

**C. Other Program Funding Summary (\$ in Millions)**

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• SCN/1045: <i>SSBN(X)</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	777.793	Continuing	Continuing
• RDTEN/3220: <i>SBSD Advanced Submarine System Development</i>	431.422	781.575	483.095	0.000	483.095	793.523	861.406	1,037.360	708.890	Continuing	Continuing

**D. Acquisition Strategy**  
N/A

**E. Performance Metrics**  
N/A

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy									<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>				<b>PROJECT</b> 3221: <i>Training Platform Replacement</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
3221: <i>Training Platform Replacement</i>	64.267	51.340	43.875	-	43.875	14.657	0.498	-	-	0.000	174.637
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**  
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> Training Platform Replacement  <div style="text-align: right; padding-right: 20px;"><b>Articles:</b></div>	64.267 0	51.340 0	43.875 0
<b>Description:</b> N/A  <b>FY 2011 Accomplishments:</b> N/A  <b>FY 2012 Plans:</b> N/A  <b>FY 2013 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	64.267	51.340	43.875

**C. Other Program Funding Summary (\$ in Millions)**

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• SCN/5092: <i>Moored Training Ship</i>	0.000	131.200	307.300	0.000	307.300	181.900	572.000	82.200	357.400	0.000	1,632.000

**D. Acquisition Strategy**  
N/A

**E. Performance Metrics**  
N/A

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>				<b>PROJECT</b> 4000: <i>Tactical Energy Investment</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
4000: <i>Tactical Energy Investment</i>	-	1.998	2.091	-	2.091	2.092	2.190	2.476	2.516	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**  
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> Tactical Energy Investment  <div style="text-align: right; margin-right: 20px;"><b>Articles:</b></div>	-	1.998 0	2.091 0
<b>FY 2012 Plans:</b> N/A			
<b>FY 2013 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	-	1.998	2.091

**C. Other Program Funding Summary (\$ in Millions)**  
N/A

**D. Acquisition Strategy**  
N/A

**E. Performance Metrics**  
N/A