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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy	Date: February 2018
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Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 3: Advanced Technology Development (ATD)					R-1 Program Element (Number/Name) PE 0603114N / Power Projection Advanced Technology							
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	0.000	97.122	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	97.122
2911: Power Proj Adv Tech	0.000	97.122	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	97.122

A. Mission Description and Budget Item Justification

The activities described in this program element (PE) address future Navy and Marine Corps capabilities needed to maintain maritime superiority and ensure national security. They are based on input from Naval Research Enterprise stakeholders (including the Naval enterprises, the combatant commands, OPNAV and Headquarters Marine Corps) and are designed to exploit breakthroughs in science and technology in order to deliver maximum warfighting benefit to our sailors and marines. These efforts are aligned with shared priorities throughout the whole of RDT&E in order to quickly advance new capabilities from discovery to deployment across the warfighting domains.

The programs described herein are representative of the work included in this PE.

B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	96.406	0.000	0.000	-	0.000
Current President's Budget	97.122	0.000	0.000	-	0.000
Total Adjustments	0.716	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	3.301	0.000			
• SBIR/STTR Transfer	-2.585	0.000			
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000

Change Summary Explanation

The funding decrease from FY 2017 to FY 2018 reflects the realignment of the remaining Precision Strike Technology efforts to PE 0603758N Navy Warfighting Experimentation and Demonstration. Additionally, Innovative Naval Prototypes (INPs) Electromagnetic Railgun (EMRG) and Solid State Laser (SSL) program work will continue in the new INP PE 0603801N Innovative Naval Prototypes.

Technical: Not applicable.

Schedule: Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy										Date: February 2018		
Appropriation/Budget Activity 1319 / 3					R-1 Program Element (Number/Name) PE 0603114N / <i>Power Projection Advanced Technology</i>				Project (Number/Name) 2911 / <i>Power Proj Adv Tech</i>			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
2911: <i>Power Proj Adv Tech</i>	0.000	97.122	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	97.122

A. Mission Description and Budget Item Justification
 This project supports the Time Critical Strike (TCS) and ForceNet FNC components which address technological issues associated with the development of strike weapons that significantly decrease the launch to engagement timeline; provide the Navy of the future the ability to quickly locate, target, and strike critical targets; and enhance mission capabilities and operational utility of Naval forces by dramatically increasing the autonomy, performance, and affordability of Naval organic, Unmanned Vehicle systems. The Navy is furthering the development of solid state, high energy laser technology for use as a weapon system on future surface ships.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: PRECISION STRIKE TECHNOLOGY	97.122	0.000	0.000	0.000	0.000
Description: Efforts in this area support Naval Precision Strike Operations, providing the Navy capability to quickly locate, target, and strike critical targets.					
FY 2018 Plans: N/A					
FY 2019 Base Plans: N/A					
FY 2019 OCO Plans: N/A					
FY 2018 to FY 2019 Increase/Decrease Statement: The funding decrease from FY 2017 to FY 2018 reflects the realignment of the remaining Precision Strike Technology efforts to PE 0603758N Navy Warfighting Experimentation and Demonstration. Additionally, Innovative Naval Prototypes (INPs) Electromagnetic Railgun (EMRG) and Solid State Laser (SSL) program work will continue in the new INP PE 0603801N Innovative Naval Prototypes.					
Accomplishments/Planned Programs Subtotals	97.122	0.000	0.000	0.000	0.000

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

Remarks

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D. Acquisition Strategy N/A		
E. Performance Metrics The metrics used are programmatic milestones and technical milestones, such as completion of technical trade studies examining suitable technologies for subsequent prototype development; incremental laboratory and field testing of components and sub-systems; and delivery of industry-developed prototypes for demonstration.		