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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force **Date:** March 2024

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207268F / <i>Aircraft Engine Component Improvement Program</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	131.325	55.223	68.743	0.000	68.743	55.424	91.426	94.735	96.608	Continuing	Continuing
671012: <i>Aircraft Engine Component Improvement Program</i>	-	91.776	45.301	68.743	0.000	68.743	55.424	57.993	60.595	61.754	Continuing	Continuing
675365: <i>F135 Aircraft Engine Component Improvement Program</i>	-	39.549	9.922	0.000	0.000	0.000	0.000	33.433	34.140	34.854	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Aircraft Engine Component Improvement Program (CIP) provides the only source of critical sustaining engineering support for in-service Air Force engines to maintain flight safety (highest priority), correct deficiencies, improve system Operational Readiness (OR), Reliability & Maintainability (R&M), reduce engine Life Cycle Cost (LCC), and sustain engines throughout their service lives. It also serves as the primary vehicle to implement emerging technology solutions (e.g., additive manufacturing and digital engineering) to resolve these issues, and improve engine performance. Past investments have reduced warfighter Class A rates, decreased Engine Related Loss of Aircraft (ERLOA) and generated significant returns on investments. Priority requirements for FY24 and FY25 include Accelerated Mission Testes (AMTs) required for complex redesigns. The AMT provides early identification of safety/reliability issues prior to the operational fleets discovering unknown safety and/or reliability issues. Ongoing tasks for this year support eliminating critical safety concerns, addressing obsolescence and Diminishing Manufacturing Sources and Material Shortage (DMSMS), developing critical repairs, and extending life limited parts.

Engines are accepted into the CIP program after the first procurement-funded engine, and support continues over the engine's life, gradually decreasing to a minimum level (safety/depot repairs) sufficient to keep older engines operational. Engine CIP testing identifies and addresses engine-related problems before operational impacts materialize. R&M related Engine CIP efforts significantly reduce out year Operations and Maintenance (O&M) and spares costs.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY23 \$0.0M was expended for civilian pay expenses in this program element, and in FY24 \$0.858M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207268F / <i>Aircraft Engine Component Improvement Program</i>
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B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	136.087	55.223	68.626	0.000	68.626
Current President's Budget	131.325	55.223	68.743	0.000	68.743
Total Adjustments	-4.762	0.000	0.117	0.000	0.117
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-4.762	0.000			
• Other Adjustments	0.000	0.000	0.117	0.000	0.117

Change Summary Explanation

FY23 decrease of -\$4.762M for Small Business Innovative Research (SBIR). FY25 adjustment of \$0.117M for inflation rate increase.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force										Date: March 2024		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program				Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
671012: Aircraft Engine Component Improvement Program	-	91.776	45.301	68.743	0.000	68.743	55.424	57.993	60.595	61.754	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Aircraft Engine Component Improvement Program (CIP) provides the only source of critical sustaining engineering support for in-service Air Force engines to maintain flight safety (highest priority), correct deficiencies, improve system Operational Readiness (OR), Reliability & Maintainability (R&M), reduce engine Life Cycle Cost (LCC), and sustain engines throughout their service lives. It also serves as the primary vehicle to implement emerging technology solutions (e.g., additive manufacturing and digital engineering) to resolve these issues and improve engine performance. Past investments have reduced warfighter Class A rates and decreased Engine Related Loss of Aircraft (ERLOA) and generated significant returns on investments. Priority requirements for FY24 and FY25 includes Accelerated Mission Testes (AMTs) required for complex redesigns. The AMT provides early identification of safety/reliability issues prior to the operational fleets discovering unknown safety and/or reliability issues. Ongoing tasks for this year support eliminating critical safety concerns, addressing obsolescence and Diminishing Manufacturing Sources and Material Shortage (DMSMS), developing critical repairs, and extending life limited parts.

Service-related engine deficiencies occur throughout the engine lifecycle. Given the uncertainty with regard to the number and timing of engine-related deficiencies, it is essential for the USAF to have adequate engineering capability and test capacity to rapidly respond to problems as they occur. Engine CIP funding is driven by field events and engine type/maturity, not by the total quantity of fielded engines.

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

	FY 2023	FY 2024	FY 2025
Title: F100 Aircraft Engine Component Improvement Program	8.472	3.998	6.197
Description: The F100-220 and F100-229 Engine CIP provides critical developmental engineering support to maintain flight safety, to address parts obsolescence, to improve OR and R&M, and to reduce engine LCC throughout their service lives. Funds may be used to address emerging and short-notice DMSMS.			
FY 2024 Plans:			
- Will execute multiple tasks to address engine issues associated with the F-15 and F-16 aircraft			
- Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis			
- Validate redesigned parts and new repair procedures			
- Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce LCC, and sustain engines throughout their service life			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>- Conduct F100 AMT</p> <p>FY 2025 Plans:</p> <ul style="list-style-type: none"> - Will execute multiple tasks to address engine issues associated with the F-15 and F-16 aircraft - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce LCC, and sustain engines throughout their service life - Complete F100 AMT <p>FY 2024 to FY 2025 Increase/Decrease Statement: FY24-FY25 increase due to F-100 Accelerated Mission Testing</p>				
<p>Title: F110 Aircraft Engine Component Improvement Program</p> <p>Description: Engine CIP provides critical developmental engineering support for multiple engines to maintain flight safety, to address parts obsolescence, and to improve OR and R&M, to reduce engine LCC, and to sustain engines throughout their service life. Funds may be used to address emerging and short-notice DMSMS issues.</p> <p>FY 2024 Plans:</p> <ul style="list-style-type: none"> - Will execute multiple tasks to address engine issues associated with the B1, B-2, F-15, F-16, and U-2 aircraft - Address safety of flight, engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Conduct F110 AMT - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life <p>FY 2025 Plans:</p> <ul style="list-style-type: none"> - Will execute multiple tasks to address engine issues associated with the B1, B-2, F-15, F-16, and U-2 aircraft - Address safety of flight, engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Complete F110 AMT - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life <p>FY 2024 to FY 2025 Increase/Decrease Statement:</p>		16.893	10.972	12.355

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
FY24-FY25 increase due to F-110 Accelerated Mission Testing				
<p>Title: F119 Aircraft Engine Component Improvement Program</p> <p>Description: Engine CIP provides critical developmental engineering support for approximately 471 engines to maintain flight safety, to address parts obsolescence, and to improve OR and R&M, to reduce engine LCC, and to sustain engines throughout their service life. Funds may be used to address emerging and short-notice DMSMS issues.</p> <p>FY 2024 Plans:</p> <ul style="list-style-type: none"> - Will execute multiple tasks to address engine issues associated with the F-22 aircraft - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life <p>FY 2025 Plans:</p> <ul style="list-style-type: none"> - Will execute multiple tasks to address engine issues associated with the F-22 aircraft - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life <p>FY 2024 to FY 2025 Increase/Decrease Statement: FY24-FY25 increase due to validation of redesigns and life limits efforts increase</p>		24.263	8.450	17.880
<p>Title: Other Aircraft Engine Component Improvement Program</p> <p>Description: CIP provides critical developmental engineering support for approximately 8,000+ engines (e.g., TF33, TF34, T53, T56, T700, T400, J85, F107), over 16,000 APU/SPS Propulsion-CORE (P-CORE) units, and critical developmental engineering support for future engines (e.g., F404, F130). This also includes, engine issues associated with the C-130, T38, UH-1N/HH-60G/HH-60W, A-10, B-52, AWACS, and JSTARS aircraft, cruise missiles and aircraft APUs. To sustain engines throughout their service lives. P-CORE provides specialized Propulsion trained personnel to effectively support flight safety, reliability, supportability, and affordability for emerging diminishing manufacturing, additive manufacturing, digital transformation, and other Propulsion Technology Office (PTO) priorities.</p> <p>FY 2024 Plans:</p> <ul style="list-style-type: none"> - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures 		42.148	21.881	32.311

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<ul style="list-style-type: none"> - Maintain engine flight safety, address obsolescence deficiencies, improve system OR and R&M, reduce engine LCC, and sustain engines throughout their service life - Funds will also be used to stand up any new Engine CIP Type Model Series (TMS) programs <p>FY 2025 Plans:</p> <ul style="list-style-type: none"> - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life <p>FY 2024 to FY 2025 Increase/Decrease Statement: FY24-FY25 increase due to additive manufacturing and digital transformation efforts increase</p>				
Accomplishments/Planned Programs Subtotals		91.776	45.301	68.743
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
Other APPN RELATED ACTIVITIES				
(U) - PEs 0203752A and 0205633N, Army/Navy Aircraft Engine CIPs				
D. Acquisition Strategy				
Sole Source Indefinite Delivery/Indefinite Quantity (IDIQ) contracts to Original Equipment Manufacturers (OEMs) and DoD agencies with a 8-year ordering period and 10-year delivery period. Supports multiple tasks to accomplish CIP for more than 23 engine models.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force **Date:** March 2024

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: Develop aircraft engine improvements - F110/F101/F118	SS/CPFF	GE : Evendale, OH	-	16.893	Nov 2022	10.972	Oct 2023	12.355	Oct 2024	-		12.355	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft engine improvements-F100/F119/TF33/T400	SS/CPFF	Pratt & Whitney : Hartford, CT	-	38.683	Nov 2022	15.254	Oct 2023	28.427	Oct 2024	-		28.427	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft engine improvements-TF34/J85/T700	SS/CPFF	GE : Lynn, MA	-	7.072	Nov 2022	3.479	Oct 2023	5.392	Oct 2024	-		5.392	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft engine improvements-T56	SS/CPFF	Rolls Royce : Indianapolis, IN	-	0.170	Nov 2022	0.080	Oct 2023	0.124	Oct 2024	-		0.124	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft engine improvements-T53	SS/CPFF	Ozark : Springfield, MO	-	0.000	Nov 2022	0.142	Nov 2023	0.220	Nov 2024	-		0.220	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft Auxiliary Power Unit improvements	SS/CPFF	Various : Various	-	1.644	Nov 2022	0.776	Oct 2023	1.202	Oct 2024	-		1.202	Continuing	Continuing	-
Aircraft Engine CIP: Develop engine improvements-F107	SS/CPFF	Williams Intl : Pontiac, MI	-	1.548	Nov 2022	0.730	Oct 2023	1.132	Oct 2024	-		1.132	Continuing	Continuing	-
Subtotal			-	66.010		31.433		48.852		-		48.852	Continuing	Continuing	N/A

Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: Non-OEM CIP Tasks	Various	Various : Various	-	1.224	Nov 2022	0.578	Nov 2023	0.895	Nov 2024	-		0.895	Continuing	Continuing	-
Subtotal			-	1.224		0.578		0.895		-		0.895	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force **Date:** March 2024

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program
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Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			

Remarks
Non-OEM engine CIP tasks include: blade and rotor inspections to identify potential defects or needed repairs.

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Aircraft Engine CIP: Ground test and validate engine improvements	PO	AEDC : Arnold AFB, TN	-	12.798	Dec 2022	6.039	Dec 2023	9.360	Dec 2024	-		9.360	Continuing	Continuing	-
Subtotal			-	12.798		6.039		9.360		-		9.360	Continuing	Continuing	N/A

Remarks
Fuel costs for contractor-performed T&E are included in the applicable contract.

Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Aircraft Engine CIP: PMA	Various	Various : Various	-	2.946	Dec 2022	3.099	Dec 2023	3.201	Dec 2024	-		3.201	Continuing	Continuing	-
Propulsion Center of Excellence (PCOE)	Various	Various : Various	-	8.798	Dec 2022	4.152	Dec 2023	6.435	Dec 2024	-		6.435	Continuing	Continuing	-
Subtotal			-	11.744		7.251		9.636		-		9.636	Continuing	Continuing	N/A

Remarks
PMA Description: Program Management support, travel, and A&AS.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals		-	91.776	45.301	68.743	-		68.743	Continuing	Continuing	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

CIP Legacy Activities	
F-100 Engine CIP Activities	
F-110 Engine CIP Activities	
F-119 Engine CIP Activities	
Other Legacy Engine/Future and P-CORE CIP Activities	

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>CIP Legacy Activities</i>				
F-100 Engine CIP Activities	1	2023	4	2029
F-110 Engine CIP Activities	1	2023	4	2029
F-119 Engine CIP Activities	1	2023	4	2029
Other Legacy Engine/Future and P-CORE CIP Activities	1	2023	4	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force										Date: March 2024		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program				Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program				
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
675365: F135 Aircraft Engine Component Improvement Program	-	39.549	9.922	0.000	0.000	0.000	0.000	33.433	34.140	34.854	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The F135 Aircraft Engine Component Improvement Program (CIP) supports the F-35 single-engine fighter propulsion system and provides critical sustaining engineering support for the F135 engine. F135 CIP maintains flight safety (highest priority), corrects service revealed deficiencies, improves system Operational Readiness (OR) and Reliability & Maintainability (R&M), reduces propulsion system Life Cycle Cost (LCC), and sustains the propulsion system throughout its service life. Past investments have reduced warfighter Class A rates and decreased Engine Related Loss of Aircraft (ERLOA) and generated significant returns on investments. F135 CIP, through "Lead the Fleet" operational use and accelerated mission testing, identifies and fixes propulsion-related problems ahead of operational impacts. F135 CIP ensures continued improvements in R&M, which reduce out year support costs.

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

	FY 2023	FY 2024	FY 2025
Title: F135 Aircraft Engine Improvement Program	39.549	9.922	0.000
Description: The Aircraft Engine CIP provides critical developmental engineering support for F-35 propulsion systems to maintain flight safety for this single-engine fighter, correct service revealed deficiencies, improve system OR and R&M, reduce engine LCC, and sustain engines throughout their service life. Funds may be used to address emerging and short-notice DMSMS issues.			
FY 2024 Plans: - Execute approximately 80+ AF-funded F135 engine tasks supporting F-35 flying operations. - Conduct accelerated mission test and analytical condition inspection. - Address safety of flight, engine component redesign, repair/rework procedures and life limit/mission analysis. - Validate redesigned parts and new repair procedures. - Maintain/improve engine flight safety, improve OR and R&M, reduce engine LCC, and sustain engine throughout service life. - Funds may be used to address emerging and short-notice DMSMS issues.			
FY 2025 Plans: N/A			
FY 2024 to FY 2025 Increase/Decrease Statement: Concluded all testing activities.			
Accomplishments/Planned Programs Subtotals	39.549	9.922	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / <i>Aircraft Engine Component Improvement Program</i>	Project (Number/Name) 675365 / <i>F135 Aircraft Engine Component Improvement Program</i>

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

N/A

Remarks

Program Element 0205633N provides US Navy funding support for the F135 propulsion system.

D. Acquisition Strategy

Contracts within this program are projected to be awarded sole source to each engine manufacturer. F-135 Engine CIP tasks are generally assigned to the original engine manufacturer based on available funding and prioritization of candidates.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force **Date:** March 2024

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Aircraft Engine CIP: Develop F135 engine improvements	SS/CPFF	Pratt & Whitney : Hartford, CT	-	39.337	Jan 2023	9.702	Jan 2024	-		-		-	Continuing	Continuing	-
Subtotal			-	39.337		9.702		-		-		-	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Aircraft Engine CIP: PMA	Various	Various : Various	-	0.212	Dec 2022	0.220	Dec 2023	-		-		-	Continuing	Continuing	-
Subtotal			-	0.212		0.220		-		-		-	Continuing	Continuing	N/A

Remarks
PMA Description: Program Management support, travel, and A&AS.

Project Cost Totals	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
	-	39.549	9.922	-	-	-	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

CIP JSF Activities	
F-135 Engine CIP Tasks	
F-135 Engine CIP Tasks FY27-29	

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>CIP JSF Activities</i>				
F-135 Engine CIP Tasks	1	2023	4	2024
F-135 Engine CIP Tasks FY27-29	1	2027	4	2029