

**Defense Logistics Agency  
 FY 2023 Military Construction, Defense-Wide  
 (\$ in Thousands)**

<u>State/Installation/Project</u>	<u>Authorization Request</u>	<u>Approp. Request</u>	<u>New/ Current Mission</u>	<u>Page No.</u>
<b>Japan</b>				
Marine Corps Air Station, Iwakuni PDI: Bulk Storage Tanks PH1	-	85,000	C	25
Yokota Air Base PDI: Bulk Storage Tanks PH1 (Increment 2)	-	44,000	C	29
<b>Total</b>	-	<b>129,000</b>		

<b>1. COMPONENT</b> DEFENSE (DLA)		<b>FY 2023 MILITARY CONSTRUCTION PROGRAM</b>				<b>2. DATE</b> MARCH 2022		
<b>3. INSTALLATION AND LOCATION</b> MARINE CORPS AIR STATION, IWAKUNI, JAPAN			<b>4. COMMAND</b> DEFENSE LOGISTICS AGENCY			<b>5. AREA CONSTRUCTION COST INDEX</b> 2.27		
<b>6. PERSONNEL</b>		(1) PERMANENT		(2) STUDENTS		(3) SUPPORTED		(4) TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930								0
b. END FY 2022								0
<b>7. INVENTORY DATA (\$000)</b>								
a. TOTAL ACREAGE (acre)							0.00	
b. INVENTORY TOTAL AS OF YYYYMMDD							0.00	
c. AUTHORIZATION NOT YET IN INVENTORY							85,000.00	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM							0.00	
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM							0.00	
f. PLANNED IN NEXT THREE PROGRAM YEARS							0.00	
g. REMAINING DEFICIENCY							0.00	
h. GRAND TOTAL							85,000.00	
<b>8. PROJECTS REQUESTED IN THIS PROGRAM</b>								
a. CATEGORY				b. COST (\$000)		c. DESIGN STATUS		
(1) CODE	(2) PROJECT TITLE		(3) SCOPE			(1) START	(2) COMPLETE	
41150	PDI: Bulk Storage Tanks PH-1		150,000 BL		85,000	APR 2016	AUG 2022	
<b>9. FUTURE PROJECTS</b>								
41150	PDI: Bulk Storage Tanks PH-2		160,000 BL		84,000	OCT 2023	JUL 2025	
<b>10. MISSION OR MAJOR FUNCTIONS</b>								
<p>Marine Corps Air Station Iwakuni is primarily an F/A-18 pilot training and air patrol station. Other types of aircraft also frequent the base and together support security obligation to protect Japan and project power throughout the Pacific. These fuel facilities provide essential storage and distribution systems to support the missions of assigned units and transient aircraft at MCAS Iwakuni, Japan.</p> <p>Deferred sustainment, restoration, and modernization for fuel facilities at this location is \$0.</p>								
<b>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES</b>								
					(\$000)			
A. Air Pollution					0			
B. Water Pollution					0			
C. Occupational Safety and Health					0			

1. COMPONENT DEFENSE (DLA)	<b>FY 2023 MILITARY CONSTRUCTION PROJECT DATA</b>		2. Date MARCH 2022
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, IWAKUNI, JAPAN		4. PROJECT TITLE: PDI: BULK STORAGE TANKS PH 1	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 41150	7. PROJECT NUMBER DESC1803	8. PROJECT COST (\$000) 85,000

**9. COST ESTIMATES**

ITEM	U/M	QUANTITY	UNIT COST	COST
<b><u>PRIMARY FACILITIES</u></b>				
BULK TANKS (CC 41150)	BL	150,000	\$ 361.71	\$ 54,256
PIPING (CC 12521)	LF	6,050	\$ 439.17	\$ 2,657
<b><u>SUPPORTING FACILITIES</u></b>				
SITE IMPROVEMENTS AND DEMOLITION	LS			\$ 14,760
CIVIL & ELECTRICAL UTILITIES	LS			\$ 13,782
				\$ 978
<b>SUBTOTAL</b>				
				\$ 71,673
CONTINGENCY (10.00%)				\$ 7,167
TOTAL CONTRACT COST				\$ 78,840
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	\$ 5,125
ENGINEERING DESIGN DURING CONSTRUCTION				\$ 1,000
TOTAL REQUEST				\$ 84,965
TOTAL REQUEST (ROUNDED)				\$ 85,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				\$ 5,206

**10. DESCRIPTION OF PROPOSED CONSTRUCTION:**

Construct three new 50,000-barrel above ground jet fuel storage tanks with sufficient secondary containment. Provide new transfer piping, valves, manifolds and related appurtenances from the new tanks to the existing pump house. Demolish three existing 10,000- barrel aboveground tanks, secondary containment and associated piping and apparatuses. Provide all supporting civil, mechanical and electrical utilities to include but not limited to, automatic tank gauging, electrical service, lighting, communications, cathodic protection, fire protection, drainage, access roads, sidewalks, gates, and landscaping. In addition, incorporate deep soil mixing or provide pile type foundations to improve soil bearing capacity.

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3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, IWAKUNI, JAPAN		4. PROJECT TITLE: PDI: BULK STORAGE TANKS PH 1	
5. PROGRAM ELEMENT 070111IS	6. CATEGORY CODE 41150	7. PROJECT NUMBER DESC1803	8. PROJECT COST (\$000) 85,000
<b>11. REQUIREMENT:</b> 911,000 Barrel (BL) <b>ADQT:</b> 0 BL <b>SUBSTD:</b> 310,000 BL			
<b>PROJECT:</b> Construct new aboveground jet fuel bulk storage tanks. (C)			
<b>REQUIREMENT:</b> There is a need to provide additional jet fuel storage capacity at this location to support strategic enroute refueling operations, strategic airlift, and force projection in the Pacific. Bulk tanks will store the war reserve jet fuel required to sustain contingency operations pending resupply by tanker ships. This system will also permit more economical fuel resupply and reduce the number of resupply cycles to support the Air Station's requirements.			
<b>CURRENT SITUATION:</b> Current fuel storage at MCAS Iwakuni is approximately 34% of the necessary overall combined service requirements.			
<b>IMPACT IF NOT PROVIDED:</b> If this project is not accomplished, MCAS Iwakuni will continue to function with insufficient jet fuel storage to meet contingency requirements. The ripple effect of backing-up requirements at other PACOM locations due to insufficient storage impacts the overall storage capabilities throughout PACOM.			
<b>ADDITIONAL:</b> Land at MCAS Iwakuni is extremely limited due to existing development. The best option to gain additional tank storage is to replace some existing tanks with larger capacity tanks and construct new tanks in the existing fuel storage areas. The economic analysis and a MCAS Iwakuni Petroleum Oil Lubricants (POL) Integration and Synchronization Study supports this option to gain additional storage capacity. The layouts of the tanks in the new or updated containment areas will meet NFPA requirements that allow bulk fuel tanks to share common secondary containment areas. This project will meet all applicable DoD criteria to include cyber-security.			
<b>12. Supplemental Data:</b>			
A. Estimated Execution Data:			
(1) Acquisition Strategy:		Design/Bid/Build	
(2) Design Data:			
(a) Design or Request for Proposal (RFP) Started:		APR 2016	
(b) Percent of Design Completed as of January 2022:		35%	
(c) Design or RFP Complete:		AUG 2022	
(d) Total Design Cost (\$000):		\$4,997	
(e) Energy Study and/or Life Cycle Analysis performed:		Yes	
(f) Standard or definitive design used:		No	
(3) Construction Data:			
(a) Contract Award:		AUG 2023	
(b) Construction Start:		DEC 2023	
(c) Construction Complete:		DEC 2025	

1. COMPONENT DEFENSE (DLA)	FY 2023 MILITARY CONSTRUCTION PROJECT DATA		2. Date MARCH 2022
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, IWAKUNI, JAPAN		4. PROJECT TITLE: PDI: BULK STORAGE TANKS PH 1	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 41150	7. PROJECT NUMBER DESC1803	8. PROJECT COST (\$000) 85,000
B. Equipment associated with this project which will be provided from other appropriations:			
	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>FY Appropriated of Requested</u>
	Automatic Tank Gauging	DWCF	2024
	Contaminated Soil Removal	DWCF	2024
			Cost (\$000) 227 4,979
C. Title, Authorization and Appropriation Summary:			
FY 2018 Title is "Bulk Storage Tanks Ph 1"			
FY 2023 Proposed Title Change is "PDI: Bulk Storage Tanks PH1"			
	<u>Authorization (\$000)</u>	<u>Auth of Approp (\$000)</u>	<u>Approp (\$000)</u>
FY 2018 Enacted	30,800	30,800	30,800
Reallocated to 10 USC 2808 projects	-----	-----	(30,800)
Cost Variation April 2022	54,200	-----	-----
FY 2023 Budget Request	<u>-----</u>	<u>85,000</u>	<u>85,000</u>
Total	85,000	-----	85,000
Point of Contact is DLA Civil Engineer at 571-767-0631			

<b>1. COMPONENT</b> DEFENSE (DLA)		<b>FY 2023 MILITARY CONSTRUCTION PROGRAM</b>				<b>2. DATE</b> MARCH 2022				
<b>3. INSTALLATION AND LOCATION</b> YOKOTA AIR BASE, JAPAN			<b>4. COMMAND</b> DEFENSE LOGISTICS AGENCY			<b>5. AREA CONSTRUCTION COST INDEX</b> 2.09				
<b>6. PERSONNEL</b>	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER R	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930										0
b. END FY 2022										0
<b>7. INVENTORY DATA (\$000)</b>										
a. TOTAL ACREAGE (acre)										0.00
b. INVENTORY TOTAL AS OF YYYYMMDD										0.00
c. AUTHORIZATION NOT YET IN INVENTORY										116,305.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM										0.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS										0.00
g. REMAINING DEFICIENCY										0.00
h. GRAND TOTAL										116,305.00
<b>8. PROJECTS REQUESTED IN THIS PROGRAM</b>										
a. CATEGORY				b. COST (\$000)		c. DESIGN STATUS				
(1) CODE	(2) PROJECT TITLE			(3) SCOPE			(1) START	(2) COMPLETE		
411320	PDI: Bulk Storage Tanks Ph-1 Inc 2			100,000 BL		44,000	DEC 2017	NOV 2021		
<b>9. FUTURE PROJECTS</b>										
411320	PDI: Bulk Storage Tanks Ph-1 Inc 3			100,000 BL		22,305				
<b>10. MISSION OR MAJOR FUNCTIONS</b>										
<p>Yokota Air Base, Japan is located approximately 20 miles west of Tokyo, Japan. The host unit is the 374th Airlift Wing which is assigned to the Fifth Air Force (5 AF) of the United States Air Force Pacific Air Forces (PACAF). The 374th Operations Group contains the 36th Airlift Squadron (36 AS) and 459th Airlift Squadron (459 AS). Aircraft included in each of these squadrons are the C-130 Hercules, UH-1N Iroquois, and C-12J Hurons. Due to its strategic location and long runway, the Air Base routinely services KC-135 Stratotankers, C-5 Galaxies, KC-10 Extenders, and various other aircraft. The 459th and 36th Airlift Squadrons perform multifaceted missions that include passenger transport, aeromedical evacuation, search and rescue, humanitarian relief, and service and support via airlift and airdrop operations.</p> <p>Deferred sustainment, restoration, and modernization for fuel facilities at this location is \$0.</p>										
<b>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES</b>										
										(\$000)
A. Air Pollution										0
B. Water Pollution										0
C. Occupational Safety and Health										0

1. COMPONENT DEFENSE (DLA)	FY 2023 MILITARY CONSTRUCTION PROJECT DATA		2. Date MARCH 2022
3. INSTALLATION AND LOCATION YOKOTA AIR BASE, JAPAN		4. PROJECT TITLE: PDI: BULK STORAGE TANKS PH-1 (Increment 2)	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 411320	7. PROJECT NUMBER DESC2103	8. PROJECT COST (\$000) 44,000

**9. COST ESTIMATES**

ITEM	U/M	QUANTITY	UNIT COST	COST
<b><u>PRIMARY FACILITIES</u></b>				
BULK STORAGE TANK (CC 411320))	BL	100,000	\$ 502	\$ 50,160
FILTER/SEPARATOR BUILDING (CC 121124)	SM	418	\$ 68,416	\$ 28,598
ADDITIVE INJECTION SYSTEM (124139)	GA	30,550	\$ 176	\$ 5,373
TRUCK FILL STAND (CC126925)	OL	2	\$ 2,571,000	\$ 5,142
<b><u>SUPPORTING FACILITIES</u></b>				
SITE ELECTRICAL UTILITIES	LS			\$ 9,400
CIVIL AND MECHANICAL UTILITIES	LS			\$ 3,105
SITE PREPARATION AND IMPROVEMENTS	LS			\$ 1,100
SPECIAL COSTS	LS			\$ 681
SUBTOTAL				\$ 103,559
CONTINGENCY (5.00%)				\$ 5,178
TOTAL CONTRACT COST				\$ 108,737
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	\$ 7,068
ENGINEERING DESIGN DURING CONSTRUCTION				\$ 500
TOTAL REQUEST				\$ 116,305
PREVIOUS APPROPRIATIONS				\$ 50,000
FUTURE APPROPRIATION REQUEST				\$ 22,305
CURRENT APPROPRIATION REQUEST				\$ 44,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				\$ 588

**10. DESCRIPTION OF PROPOSED CONSTRUCTION:**

**Eastside Fuel Facility:** Construct a 100,000-barrel cut-and-cover JP-8 fuel storage tank, filter building, two-bay truck fill-stand. The new bulk tank contains a pump house with 600-gpm issue vertical turbine pumps and a 50-gpm water draw off vertical turbine pump. The tank includes a high-level valve, independent level alarms, and hardware necessary for the installation of automatic tank gauging (ATG) systems. The tank includes piping, valves, vaults and appurtenances from tanks to filter separator building.

The Filter Building control room will contain new pump control Programmable Logic Controller (PLC) and Human Machine Interface (HMI), automatic tank gauge (ATG) reporting module capable of reporting inputs from all Eastside Fuel Facility tanks. Provide a product saver tank for each bulk tank. The filter building contains 600-gpm issue filter separators, 2400-gpm micronic filters, and 1200-gpm receipt filter separators and backups as needed. Crossover piping between the new and existing filter buildings will

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provide issue capability from any tank to any truck fill stand location. The new filter building, and pump house include fire alarms and transmitters compatible with base's systems, control panel and automatic detection system, and manual pull stations. The filter building includes a plumbing system, control room HVAC, filter room mechanical ventilation, and emergency eyewash/shower.

Expand the existing truck fill stand to add two vehicle bays with metal roof canopy and structural steel framing on a concrete pad. Each fill stand will be capable of loading a R-11 refueler at a rate of 600-gpm. Provide a double wall, underground product recovery tank near the filter building with a recovery pump to return reclaimed fuel back through receipt filtration to bulk storage. The tank will have an ATG system, level alarms, overflow prevention, interstitial monitoring, and a local horn with acknowledgement and visible alarm at a manned location in the filter building and all necessary electrical work including lighting, power, and controls.

**ADDITIVE INJECTION SYSTEM FACILITY:** Modify Building 4091 at the rail receipt yard to install a new fuel additive injection systems and associated infrastructure within the pump room. Construct a canopy and concrete slab to house the Static Dissipater Additive (SDA) and Corrosion Inhibitor/Lubricity Improver (CI/LI) operational mix tanks, additive storage and a rolled curb delivery vehicle area for truck off-load and spill containment. The additive injector system will mechanically inject Fuel System Icing Inhibitor (FSII), SDA and CI/LI to convert Jet A-1 to military spec JP-8. Provide appropriately sized and separate tanks for SDA and CI/LI, to mix (dilute) each with jet fuel prior to injection. FSII is injected without any dilution. Install the injectors and a bypass line in Building 4091 connecting to the existing offload pump discharge to allow the fuel to be additized from the rail receipt or truck offload. Provide stainless steel piping from the additive tanks to the injectors to accommodate the direct receipt of JP-8 from the truck or rail offload. Electrical work for the additive injection system facility includes power, lighting, controls, and Supervisory Control and Data Acquisition (SCADA).

**SUPPORTING FACILITIES:** Electrical utility improvements include transformers, switchgear, relocation of primary electrical and outside plant telecommunications, secondary power distribution, motor control centers, SCADA, telecommunications, area lighting, grounding, lightning protection, standby generator, controls, duct banks and related work.

Site preparation and improvements include demolition and removal of abandoned fuel pipelines and vaults within the tank footprint, site clearing and grubbing, earthwork, access roads, paving, fencing and gates, utility relocations, and landscaping and restoration of existing soil berms. Construction of the cut-and-cover tanks requires significant excavation. Civil and Mechanical utilities include new water and fire hydrants, water lateral connection and a septic system for the filter building, a new pipeline from Building 4091 to Valve Pit B-1 (VPB-1). Rebuild VPB-1 to accommodate additional valves and piping. Install connection points for inline inspection tools (pigs) at VPB-1, Building 4091 and Eastside Fuel Facility. Special Costs include cyber-security measures.

**11. REQUIREMENT:** 850,000 BARRELS (BL) **ADQT:** 450,000 BL **SUBSTD:** O BL



1. COMPONENT DEFENSE (DLA)	FY 2023 MILITARY CONSTRUCTION PROJECT DATA		2. Date MARCH 2022
3. INSTALLATION AND LOCATION  YOKOTA AIR BASE, JAPAN		4. PROJECT TITLE:  PDI: BULK STORAGE TANKS PH-1 (Increment 2)	
5. PROGRAM ELEMENT  0701111S	6. CATEGORY CODE  411320	7. PROJECT NUMBER  DESC2103	8. PROJECT COST (\$000)  44,000

**PROJECT:** Construct cut-and-cover JP-8 bulk storage tanks, filter/separator building, additive injection system, truck fill stand and a train offload transmission main. This phase I project provides 25 percent of the total storage requirement of 4-100k barrel tanks. (C)

**REQUIREMENT:** Additional fuel storage to extend Pacific region airlift operations; the capability to receive commercial Jet A-1 to comply with new DLA Energy fuel acquisition strategy, and direct fuel transfer capability between the Eastside Fuel and train offload facilities.

**CURRENT SITUATION:** Yokota Air Base does not have sufficient on-site fuel storage capacity to support extended operational needs required by United States Forces Japan (USFJ). The Yokota fuel supply is supported by off-site fuel storage at Defense Fuel Supply Point (DFSP) Tsurumi. Primary fuel receipt is by rail car and then pumped to the Main Base filter receipt building before transfer into storage. The truck offload positions at the Main Base POL serves as a secondary receipt mode. Fuel is stored at the Eastside Fueling Facility and at the Main Base. The Eastside Fueling Facility has two 100,000-bbl tanks and the Main Base POL Facility has two 100,000-bbl and one 50,000-bbl JP-8 bulk storage tanks. The standard operation is to receive JP-8 into three bulk storage tanks at the Main Base Petroleum Oil Lubricants (POL) facility and then to the Eastside Fueling Facility storage tanks that supplies fuel to the hydrant system tanks. Fuel transfers between the three facilities keeps the fuel circulated and prevents inventory stagnation. Yokota Air Base does not have the ability accept commercially available Jet A-1 fuel nor the ability to store or inject additives in fuel.

**IMPACT IF NOT PROVIDED:** The Air Base will be less effective and unable to fully support airlift operations during contingency or humanitarian campaigns. The base will be non-compliant with DLA fuel acquisition strategy without the capability to receive and convert the more commonly available Jet A-1 to JP-8 military specifications.

**ADDITIONAL:** Sustainable engineering principles will be integrated into the design, development, and construction of the project. This facility can be used by other components on an "as available" basis however the project scope is based on Air Force requirements. This project was included in the prior year's future-years defense program.

**12. Supplemental Data:**

A. Estimated Execution Data:

- |  |                  |
|--|------------------|
| (1) Acquisition Strategy:                              | Design/Bid/Build |
| (2) Design Data:                                       |                  |
| (a) Design or Request for Proposal (RFP) Started:      | DEC 2017         |
| (b) Percent of Design Completed as of January 2022:    | 95%              |
| (c) Design or RFP Complete:                            | NOV 2021         |
| (d) Total Design Cost (\$000):                         | 5,500            |
| (e) Energy Study and/or Life Cycle Analysis performed: | Yes              |
| (f) Standard or definitive design used:                | No               |
| (3) Construction Data:                                 |                  |

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3. INSTALLATION AND LOCATION YOKOTA AIR BASE, JAPAN		4. PROJECT TITLE: PDI: BULK STORAGE TANKS PH-1 (Increment 2)	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 411320	7. PROJECT NUMBER DESC2103	8. PROJECT COST (\$000) 44,000
(a) Contract Award:		JUN 2022	
(b) Construction Start:		SEP 2022	
(c) Construction Complete:		FEB 2025	
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u> Fixtures, Furniture & Equipment	Procuring <u>Appropriation</u> DWCf	FY Appropriated <u>of Requested</u> Future Request	Cost <u>(\$000)</u> 588
C. Title, Authorization and Appropriation Summary:			
FY 2020 Title is "Bulk Storage Tanks Ph 1"			
FY 2023 Proposed Title Change is "PDI: Bulk Storage Tanks PH1"			
	Authorization <u>(\$000)</u>	Auth of Approp <u>(\$000)</u>	Approp <u>(\$000)</u>
FY 2020 Enacted	116,305	50,000	50,000
FY 2023 Budget Request	-----	44,000	44,000
Future Request	-----	<u>22,305</u>	<u>22,305</u>
Total	116,305	-----	116,305
Point of Contact is DLA Civil Engineer at 571-767-0631			

**PROJECT SPENDING PLAN**

**DD form 1390, JUL 1999**

Project: FY20 DESC DLA Construct Jet Fuel Bulk Storage Tanks, Yokota AB  
 Project Cost (\$000): \$116,305,000  
 As of MAR 2022

Month-Year	FUNDING (\$000)		OBLIGATIONS (\$000)		OUTLAYS (\$000)		Months of construction
	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative	
May-22	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$0	Funding
Jun-22		\$50,000		\$50,000	\$0	\$0	Award
Jul-22		\$50,000		\$50,000	\$0	\$0	NTP
Aug-22		\$50,000		\$50,000	\$518	\$518	1
Sep-22		\$50,000		\$50,000	\$1,541	\$2,059	2
Oct-22		\$50,000		\$50,000	\$1,559	\$3,618	3
Nov-22		\$50,000		\$50,000	\$1,934	\$5,552	4
Dec-22		\$50,000		\$50,000	\$2,343	\$7,895	5
Jan-23		\$50,000		\$50,000	\$2,803	\$10,698	6
Feb-23		\$50,000		\$50,000	\$3,253	\$13,951	7
Mar-23		\$50,000		\$50,000	\$3,784	\$17,735	8
Apr-23		\$50,000		\$50,000	\$4,292	\$22,027	9
May-23		\$50,000		\$50,000	\$4,726	\$26,753	10
Jun-23		\$50,000		\$50,000	\$5,320	\$32,073	11
Jul-23	\$44,000	\$94,000	\$39,700	\$89,700	\$5,716	\$37,789	12
Aug-23		\$94,000	\$500	\$90,200	\$6,242	\$44,031	13
Sep-23		\$94,000	\$500	\$90,700	\$6,565	\$50,596	14
Oct-23		\$94,000	\$500	\$91,200	\$6,795	\$57,391	15
Nov-23		\$94,000	\$500	\$91,700	\$6,652	\$64,043	16
Dec-23		\$94,000	\$500	\$92,200	\$6,426	\$70,469	17
Jan-24		\$94,000	\$500	\$92,700	\$6,190	\$76,659	18
Feb-24		\$94,000	\$500	\$93,200	\$5,990	\$82,649	19
Mar-24		\$94,000	\$500	\$93,700	\$5,714	\$88,363	20
Apr-24	\$22,305	\$116,305	\$19,805	\$113,505	\$5,176	\$93,539	21
May-24		\$116,305	\$400	\$113,905	\$4,662	\$98,201	22
Jun-24		\$116,305	\$400	\$114,305	\$4,107	\$102,308	23
Jul-24		\$116,305	\$400	\$114,705	\$3,493	\$105,801	24
Aug-24		\$116,305	\$300	\$115,005	\$2,965	\$108,766	25
Sep-24		\$116,305	\$300	\$115,305	\$2,493	\$111,259	26
Oct-24		\$116,305	\$300	\$115,605	\$1,856	\$113,115	27
Nov-24		\$116,305	\$300	\$115,905	\$1,483	\$114,598	28
Dec-24		\$116,305	\$200	\$116,105	\$1,092	\$115,690	29
Jan-25		\$116,305	\$200	\$116,305	\$610	\$116,300	30

### DESC2103 - WIP Curve with Funding & Obligations

