Business Case

Table of Contents

Section A: Investment Summary Information

Investment Name
NOAA/NWS/ NWS Central Processing

Unique Investment Identifier
006-000313000

Investment Description

Central Processing provides increased satellite network bandwidth, processing and storage capacity. It collects, communicates, processes, displays, and analyzes hydro-meteorological data that supports the NWS mission of accurate forecasts/warnings.

Agency
Department of Commerce

Point of Contact
Andre Mendes - CIO
email 202-482-4797

Investment Type
Major IT Investments

Bureau
National Oceanic and Atmospheric Administration

Mission Support
Not Applicable

Shared Service Category
Not Applicable

Shared Service Identifier
Not Applicable

Date Investment First Submitted
09/20/2021

Date of Last Investment Detail Update
05/31/2022

Section B: Investment Detail

1. Briefly describe the investment's return on investment, including benefits internal and external to the government and outcomes achieved or planned.

Central Processing is absolutely critical not only for tornadoes, hurricanes, and floods, but also for man-made and terrorist disasters where our services are called upon to defend our homeland security. Operating 24/7, 365 days a year and providing mechanisms for the NWS meteorologists and hydrologists to issue numerous watch, warning, and advisory products allowing the fulfillment of the NWS' mission to protect lives and property. Central Processing supports River Flood Forecasting and the operational National Water Model, both of which are included within the DOC, NOAA and NWS Strategic Plans. Central Processing enables the operational production of the model runs from which the weather, climate, ocean and space weather forecasts are made. Central Processing also assists in the coordination of application development across numerous organizations including NOAA and NWS offices/centers; Department of Defense (DoD); international meteorological centers; and other organizations linked to environmental modeling. According to the American Meteorological Bulletin article entitled "300 Billion Served: Sources, Perceptions, Uses, and Values of Weather Forecasts"*, the American public collectively receives $31.5 billion in benefits from weather services each year. This $31.5 billion includes both NWS and private sector contributions. If we assume that the NWS contribution is 50% (which is probably low) of this amount and the AWIPS contribution is 5% of the NWS contribution, then the ROI is 1332% per year. Using base-case assumptions and average total benefits from various sectors, the share of economic benefits from improved forecasting that is directly attributable to a new supercomputer is valued at $116 million (in 2002 dollars). The estimated WCCIS ROI is the following: FY13: 281%; FY14: 350%; FY15: 351%; FY16: 390%; FY17: 406%; FY18: 475%. The ROI for WCOSS is 507%.**

Section C: Investment and Contracts

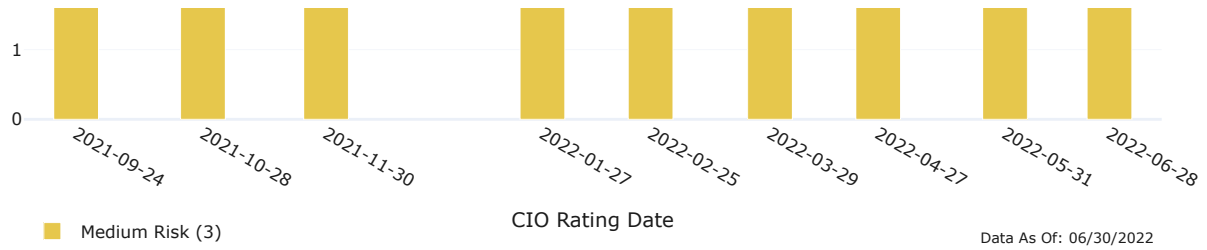
Public URLs

- http://weather.msfc.nasa.gov/sport/awips2/
- http://www.unidata.ucar.edu/software/awips2/
- http://www.raytheon.com/capabilities/products/awips/
- http://www.nws.noaa.gov/ost/SEC/AE/index.htm
- http://mag.ncep.noaa.gov/
- www.nohrsc.noaa.gov/nsa/
- water.weather.gov
- hdsc.nws.noaa.gov/hdsc/pfds/
- water.noaa.gov

Contracts

- DG133W10CQ0042 TO077
- DOCEG133W17NC0160
- DOCEA133W17CQ0082
- DOCDG133012CQ0004
- NA16NWS4620043
- DG133W-10-CQ-0028
- DOCDG133W10CQ0049T0028
- 1305M420DNWWX0076
- 47QTCA19D006G 1305L220FNWWY0108
- 1305L219FNWWX0002

Section D: Historic CIO Rating



CIO Rating	Date	Comments
3	Jun 28, 2022	Central Processing continues to provide increased satellite network bandwidth, processing and storage capacity. Accomplishments: NAWIPS is following a desk-by-desk transition approach and is continuing forecaster training. WCOSS: Consideration negotiations ongoing. Model transition completed. Network tuning completed. Failover testing completed. 30-day stability test started. AWIPS: Network Availability: 99.67%; Satellite Master Ground Station Availability: 99.99%; Met 3 out of 3 performance metrics reported (5/2022) Rated 3 due to risk profile and issues.
3	May 31, 2022	Central Processing continues to provide increased satellite network bandwidth, processing and storage capacity. Accomplishments NAWIPS is following a desk-by-desk transition approach and is continuing forecaster training. Schedule continues to be impacted by National Center resources. Working WPC, AWC, OPC and NHC nearer term desk backlogs. AWIPS performance metric were met and/or exceeded: Customer Results and Network Availability: 99.98%; Satellite Master Ground Station Availability: 100%; Identity Management Deployment: 100% complete. NWS is continuing to work on the impact of COVID-19 on AWIPS NAWIPS schedule and the WCOSS Transition and WCOSS Fee Liability. Rated 3 due to risk profile and issues.
3	Apr 27, 2022	Central Processing continues to provide increased satellite network bandwidth, processing and storage capacity. Accomplishments: NAWIPS is following a desk-by-desk transition approach and is continuing forecaster training. Completed the turnkey implementation of Hydro HazSimp. AWIPS performance metric were met and/or exceeded: Customer Results: Network Availability: 99.98%; Satellite Master Ground Station Availability: 100%; Identity Management Deployment: 100% complete. NWS is continuing to work on the impact of COVID-19 on AWIPS NAWIPS schedule and the WCOSS Transition and WCOSS Fee Liability. Rated 3 due to risk profile and issues.
3	Mar 29, 2022	Central Processing continues to provide increased satellite network bandwidth, processing and storage capacity. Accomplishments: AWIPS Customer Results/ Network Availability: 99.99%; Satellite Master Ground Station Availability: 100%; Met 3 out of 3 performance metrics reported. NAWIPS is following a desk-by-desk transition approach and is continuing forecaster training. The schedule continues to be impacted by COVID-19. Conducted performance testing on new enhanced workstations. The investment continues to work on the impact of COVID-19 on AWIPS NAWIPS schedule and the WCOSS Transition and WCOSS Fee Liability. Rated 3 due to risk profile and issues.
3	Feb 25, 2022	Central Processing continues to provide increased satellite network bandwidth, processing and storage capacity. Accomplishments: AWIPS Customer Results/ Network Availability: 99.99%; Satellite Master Ground Station Availability: 100%; Met 3 out of 3 performance metrics reported. NAWIPS is following a desk-by-desk transition approach and is continuing forecaster training. The schedule continues to be impacted by COVID-19. Conducted performance testing on new enhanced workstations. The investment continues to work on the impact of COVID-19 on AWIPS NAWIPS schedule and the WCOSS Transition and WCOSS Fee Liability. Rated 3 due to risks and issues.
3	Jan 27, 2022	Central Processing continues to provide increased satellite network bandwidth, processing and storage capacity. Accomplishments: AWIPS Customer Results/ Network Availability: 99.97%; Satellite Master Ground Station Availability: 100%; Met 3 out of 3 performance metrics reported. NAWIPS is following a desk-by-desk transition approach and is continuing forecaster training. Received 15 enhanced workstations. The schedule continues to be impacted by COVID-19. National Hurricane Center continues remote forecaster training. The investment continues to work on the impact of COVID-19 on AWIPS NAWIPS schedule and the WCOSS Transition delay.
3	Nov 30, 2021	Central Processing continues to provide increased satellite network bandwidth, processing and storage capacity. Accomplishments: AWIPS Customer Results/ Network Availability: 99.99%; Satellite Master Ground Station Availability: 100%; Met 3 out of 3 performance metrics reported. NAWIPS is following a desk-by-desk transition approach and is continuing forecaster training. The schedule continues to be impacted by COVID-19. National Hurricane Center continues remote forecaster training. The investment continues to work on the impact of COVID-19 on AWIPS NAWIPS schedule and the WCOSS Transition delay.
3	Oct 28, 2021	Central Processing continues to provide increased satellite network bandwidth, processing and storage capacity. Accomplishments: Customer Results: WCOSS - Fixes/ patches complete in order to restart pre-acceptance testing. AWIPS - Network Availability: 99.99%; Satellite Master Ground Station Availability: 100%; Met 3 out of 3 performance metrics reported. The investment continues to work on the impact of COVID-19 on AWIPS NAWIPS schedule and the WCOSS Transition delay.
3	Sep 24, 2021	Central Processing provides increased satellite network bandwidth, processing and storage capacity. Accomplishments: Customer Results: Network Availability: 99.99%; Satellite Master Ground Station Availability: 100%; Met 3 out of 3 performance metrics reported. The investment continues to work on the impact of COVID-19 on AWIPS NAWIPS schedule and the WCOSS Transition delay.

Data Last Updated On: 06/30/2022

Section E: Investment Spending

Table 1: Distribution by Spending Type

Spending Type	PY 2021	CY 2022	BY 2023
DME Costs	16.905	16.147463	16.147463
O&M Costs	92.829	96.649081	97.003456
Total	109.734	112.796544	113.150919

Table 2: Distribution by Cost Pools

Cost Pools	PY 2021	CY 2022	BY 2023
Internal Labor	18.626	20.536355	20.536355
External Labor	56.74306	60.969589	61.323964
Outside Services	0	0	0
Hardware	20.04139	21.856	21.856
Software	3.853	3.891889	3.891889
Facilities & Power	10.47055	1.4986	1.4986
Telecom	0	3.074377	3.074377
Other	0	0.969734	0.969734
Internal Services	0	0	0
Totals	109.734	112.796544	113.150919

Cost in millions (M)

Table 3: Distribution by IT Towers

IT Tower	PY 2021	CY 2022	BY 2023
Security & Compliance	6.47935	4.189744	4.278338
IT Management	0	1.738533	1.756252
Network	4.53328	4.489517	4.489517
Data	0	0	0
Compute	20.97447	21.48197	21.48197
Storage	0	0.651	0.651
End User	19.10025	18.848613	18.990363
Output	0	0	0
Application	11.74511	17.94513	17.94513
Delivery	43.35516	40.732872	40.732872
Platform	0	0	0
Data Center	3.54638	2.719165	2.825477
Totals	109.734	112.796544	113.150919

Cost in millions (M)

Data Last Updated On: 05/31/2022

Section F: Project and Activities Detail

Table 1: Project Details

Project Name	Project UID	Status	Project Life Cycle Cost ($M)	Cost Variance (%)	Start Date	End Date	Schedule Variance (%)	Schedule Variance (Days)
FY22-N-AWIPS Migration	313002	In Progress	1.74	0	2021-10-01	2022-09-30	0	0
FY22-WCOSS Operations and Maintenance	313004	In Progress	44.51	0	2021-10-01	2022-09-30	0	0
FY21-WCOSS Operations and Maintenance	3104M20002	Complete	42.3	2.2	2020-10-01	2021-09-30	0	0
Information Generation	3101D11001	Complete	16.85	9.1	2010-10-01	2021-06-18	6.7	6.7

Project Name	Project UID	Status	Project Life Cycle Cost ($M)	Cost Variance (%)	Start Date	End Date	Schedule Variance (%)	Schedule Variance (Days)
FY21-AWIPS - Sustainment	3101M20002	Complete	38.76	5	2020-10-01	2021-09-30	0	0
FY21-Water Prediction - Operations and Maintenance	3115M20002	Complete	3.26	32	2020-10-01	2021-09-30	0	0
FY21-N-AWIPS Migration	3101D07102	Complete	6.17	0.02	2019-10-01	2023-09-30	0	0
FY21-WCCIS Operations and Maintenance	3113M20004	Complete	13.6	-19	2020-10-01	2021-09-30	0	0
FY22-AWIPS - Hazard Services	313003	In Progress	1.6	0	2021-10-01	2022-09-30	0	0
FY22-Water Prediction - Operations and Maintenance	313006	In Progress	4.54	12	2021-10-01	2022-09-30	0	0
FY22-WCCIS Operations and Maintenance	313005	In Progress	16.41	0.0001	2021-10-01	2022-09-30	0	0
FY22-AWIPS - Sustainment	313001	In Progress	37.85	0	2021-10-01	2022-09-30	0	0

Low Medium High

Table 2: Activity Details

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost ($M)	Projected Total Cost ($M)	Actual Total Cost ($M)
313002	FY22-N-AWIPS Migration - 1st Half	Migrate National Centers AWIPS (NAWPS) functions to AWIPS II SOA. Complete Testing.	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31		0.87	0.87	0.74
313002	FY22-N-AWIPS Migration - 2nd Half	Migrate National Centers AWIPS (NAWPS) functions to AWIPS II SOA. Transition 8 National Center NAWIPS Desks to AWIPS.	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		0.87	0.87	0.06
313002	FY22-N-AWIPS Migration	Migrate National Centers AWIPS (NAWPS) functions to AWIPS II SOA.	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		1.74	1.74	0.8
313004	FY22-WCOSS O&M - 1st Half	FY22-WCOSS Operations and Maintenance	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	22.26	22.255505	22.26
313004	FY22-WCOSS O&M - 2nd Half	FY22-WCOSS Operations and Maintenance	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		22.26	22.255505	7.42
313004	FY22-WCOSS O&M	FY22-WCOSS Operations and Maintenance	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		44.51	44.51101	29.67
3104M20002	FY21-WCOSS Operations & Maintenance	FY21-WCOSS Operations and Maintenance	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	42.3	42.3	41.36

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost ($M)	Projected Total Cost ($M)	Actual Total Cost ($M)
3104M20002	FY21-WCOSS 2nd Half - Operations & Maintenance	FY21-WCOSS Operations and Maintenance	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	21.15	21.15	20.21
3104M20002	FY21-WCOSS 1st Half - Operations & Maintenance	FY21-WCOSS Operations and Maintenance	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-31	2021-03-31	21.15	21.15	21.15
3101D11001	FY17-Information Generation - Activities	Project to allow accounting of costs associated with Program sustainment	2010-10-01	2010-10-01	2010-10-01	2021-06-18	2021-06-18	2020-09-30	14.3	14.294	13
3101M20002	Operations & Maintenance (FY20)	O&M Support Costs	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	23.45	24.101078	23.8
3101M20002	Comms - Satellite Broadcast Network (FY21)	Network and Communication costs for the AWIPS Program	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	1.67	2.782134	2.78
3101M20002	IT Security (FY21)	IT Security Activities	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	0.67	1.401245	1.41
3101M20002	Software Projects (FY21)	AWIPS Software Development Projects	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	7.77	6.963907	6.83
3101M20002	1st Half - Program Support FY21	Programmatic support for the AWIPS Program	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-05-31	2021-03-31	1.4	1.050697	1.63
3101M20002	AWIPS 2nd Half - FY21 O&M	O&M support costs	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	11.72	12.050539	11.4
3101M20002	Comms -1st Half - Satellite Broadcast Network (FY21)	Network and Communication costs for the AWIPS Program	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-05-31	2021-03-31	0.84	1.391067	2.22
3101M20002	Comms -2nd Half - Satellite Broadcast Network (FY21)	Network and Communication costs for the AWIPS Program	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	0.84	1.391067	0.56
3101M20002	Software Projects 1st Half - FY21	AWIPS Software Development Projects	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-05-31	2021-03-31	3.88	3.481953	2.42
3101M20002	Hardware 1st Half - FY21	Hardware sustainment activities	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-05-31	2021-03-31	1.2	0.704	0.47
3101M20002	Program Support (FY21)	Programmatic support for the AWIPS Program	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	2.8	2.101395	2.02
3101M20002	Hardware (FY21)	Hardware sustainment activities	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	2.4	1.408	1.41

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost ($M)	Projected Total Cost ($M)	Actual Total Cost ($M)
3101M20002	2nd Half - Program Support FY21	Programmatic support for the AWIPS Program	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	1.4	1.050698	0.39
3101M20002	IT Security 1st Half - FY21	IT Security Activities	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-05-31	2021-03-31	0.34	0.700622	0.4
3101M20002	AWIPS 1st Half - FY21 O&M	O&M Support Costs	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-05-31	2021-03-31	11.72	12.050539	12.4
3101M20002	Software Projects 2nd Half - FY21	AWIPS Software Development Projects	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	3.88	3.481954	4.42
3101M20002	IT Security 2nd Half - FY21	IT Security Activities	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	0.34	0.700623	1.01
3101M20002	Hardware 2nd Half - FY21	Hardware sustainment activities	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	1.2	0.704	0.94
3115M20002	FY21-Water Prediction-O&M	FY21-Water Prediction-Operations and Maintenance	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	3.26	3.261	2.21
3115M20002	FY21-Water Prediction-2nd Half - O&M	FY21-Water Prediction-Operations and Maintenance	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	1.63	1.6305	1.06
3115M20002	FY21-Water Prediction O&M - 1st Half	FY21-Water Prediction-Operations and Maintenance	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-05-31	2021-03-31	1.63	1.6305	1.15
3101D07102	FY21-N-AWIPS Migration	Migrate National Centers AWIPS (NAWPS) functions to AWIPS II SOA in FY21	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	1.74	1.74	1.74
3101D07102	FY21-N-AWIPS Migration - 1st Half	Migrate National Centers AWIPS (NAWPS) functions to AWIPS II SOA for FY21	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-05-31	2021-03-31	0.87	0.87	0.87
3101D07102	FY21-N-AWIPS Migration - 2nd Half	Migrate National Centers AWIPS (NAWPS) functions to AWIPS II SOA for FY21	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	0.87	0.87	0.87
3113M20004	FY21-WCCIS-O&M	FY20-WCCIS-Operations and Maintenance	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	11.41	13.595	13.59
3113M20004	FY21-WCCIS-O&M - 1st Half	FY21-WCCIS-Operations and Maintenance	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-31	2021-03-31	5.71	6.7975	6.8
3113M20004	FY21-WCCIS-O&M - 2nd Half	FY21-WCCIS-Operations and Maintenance	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	5.71	6.7975	6.8

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost ($M)	Projected Total Cost ($M)	Actual Total Cost ($M)
313003	FY22-AWIPS-Hazard Services 1st Half	Migrates all hazards into a new framework, streamlining the warning process. Complete deployment of Hydrological Hazard Simplification.	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31		0.8	0.8	0.8
313003	FY22-AWIPS-Hazard Services 2nd Half	Migrates all hazards into a new framework, streamlining the warning process. Develop the ability to incorporate Partial County Warnings for NOAA Weather Radio (NWR) all hazards and the Emergency Alert System (EAS) into the AWIPS baseline.	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		0.8	0.8	0.13
313003	FY22 - AWIPS - Hazard Services	Migrates all hazards into a new framework, streamlining the warning process.	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		1.6	1.6	0.93
313006	FY22-Water Prediction-O&M	FY22-Water Prediction - Operations and Maintenance	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		4.54	4.53656	1.17
313006	FY22-Water Prediction - 2nd Half	FY22-Water Prediction- Operations and Maintenance	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		2.82	2.819342	0
313006	FY22-Water Prediction - 1st Half	FY22-Water Prediction - Operations and Maintenance	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	1.72	1.717218	1.17
313005	FY22-WCCIS-O&M	FY22-WCCIS-Operations and Maintenance	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		16.41	16.405	10.94
313005	FY22-WCCIS-O&M -1st Half	FY22-WCCIS-Operations and Maintenance	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	8.2	8.2025	8.2
313005	FY22-WCCIS-O&M -2nd Half	FY22-WCCIS-Operations and Maintenance	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		8.2	8.2025	2.73
313001	Program Support (FY22)	Programmatic support for the AWIPS Program	2021-10-01	2021-10-01	2021-12-01	2022-09-30	2022-09-30		3.74	3.738314	0.24
313001	Operations & Maintenance (FY22)	O&M Support Costs	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		20.65	20.651112	12.11
313001	IT Security (FY22)	IT Security Activities	2021-10-01	2021-10-01	2021-12-01	2022-09-30	2022-09-30		1.2	1.199524	0.31

Unique Project ID	Activity Name	Activity Description	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Cost ($M)	Projected Total Cost ($M)	Actual Total Cost ($M)
313001	Software Projects (FY22)	AWIPS Software Development Projects	2021-10-01	2021-10-01	2021-12-01	2022-09-30	2022-09-30		7.69	7.686227	0.92
313001	Hardware (FY22)	Hardware sustainment activities	2021-10-01	2021-10-01	2021-12-01	2022-09-30	2022-09-30		1.5	1.5	0
313001	FY22 Program Support - 1st Half	Programmatic support for the AWIPS Program	2021-10-01	2021-10-01	2021-12-01	2022-03-31	2022-03-31		1.87	1.869157	0.07
313001	FY22 Comms - SBN - 1st Half	Network and Communication costs for the AWIPS Program	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31		1.54	1.537188	1.4
313001	FY22 IT Security - 1st Half	IT Security Activities	2021-10-01	2021-10-01	2021-12-01	2022-03-31	2022-03-31		0.6	0.599762	0.31
313001	FY22 IT Security - 2nd Half	IT Security Activities	2022-04-01	2022-04-01		2022-09-30	2022-09-30		0.6	0.599762	0
313001	FY22 Software Projects - 2nd Half	AWIPS Software Development Projects	2022-04-01	2022-04-01		2022-09-30	2022-09-30		3.84	3.843114	0
313001	FY22 Hardware - 1st Half	Hardware sustainment activities	2021-10-01	2021-10-01	2021-12-01	2022-03-31	2022-03-31		0.75	0.75	0
313001	Comms - Satellite Broadcast Network	Network and Communication costs for the AWIPS Program	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		3.07	3.074377	1.4
313001	FY22 Program Support - 2nd Half	Programmatic support for the AWIPS Program	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		1.87	1.869157	0.17
313001	FY22 AWIPS O&M - 1st Half	O&M Support Costs	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31		10.33	10.325556	11.97
313001	FY22 Comms - SBN - 2nd Half	Network and Communication costs for the AWIPS Program	2022-04-01	2022-04-01		2022-09-30	2022-09-30		1.54	1.537189	0
313001	FY22 AWIPS O&M - 2nd Half	O&M Support Costs	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		10.33	10.325556	0.14
313001	FY22 Hardware - 2nd Half	Hardware sustainment activities	2022-04-01	2022-04-01		2022-09-30	2022-09-30		0.75	0.75	0
313001	FY22 Software Projects - 1st Half	AWIPS Software Development Projects	2021-10-01	2021-10-01	2021-12-01	2022-03-31	2022-03-31		3.84	3.843113	0.92

Table 3: Project Related Details

FY22-N-AWIPS Migration

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)
Mixed

FY22-WCOSS Operations and Maintenance

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)
Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)
Months

3. Please describe the iterative development methodology being employed. (500 characters or less)
Mixed

FY21-WCOSS Operations and Maintenance

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

3. Please describe the iterative development methodology being employed. (500 characters or less)

Information Generation

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)
Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)
Months

3. Please describe the iterative development methodology being employed. (500 characters or less)
mixed

FY21-AWIPS - Sustainment

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

3. Please describe the iterative development methodology being employed. (500 characters or less)

FY21-Water Prediction - Operations and Maintenance

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

3. Please describe the iterative development methodology being employed. (500 characters or less)

FY21-N-AWIPS Migration

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)
   Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)
   Months

3. Please describe the iterative development methodology being employed. (500 characters or less)
   Mixed

FY21-WCCIS Operations and Maintenance

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

3. Please describe the iterative development methodology being employed. (500 characters or less)

FY22-AWIPS - Hazard Services

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)
   Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)
   Months

3. Please describe the iterative development methodology being employed. (500 characters or less)
   Mixed

FY22-Water Prediction - Operations and Maintenance

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)
   Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)
   Months

3. Please describe the iterative development methodology being employed. (500 characters or less)
   Mixed

FY22-WCCIS Operations and Maintenance

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)
   Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)

Mixed

FY22-AWIPS - Sustainment

1. Are information technology investments adequately implementing incremental development methodology? (Y/N)

Yes

2. What is the frequency of incremental development iterations? (ex. 1 month, 3 months, 6 months, 12 months or greater)

Months

3. Please describe the iterative development methodology being employed. (500 characters or less)

Mixed

Return to top

About **Feedback**

Frequently Asked Questions

Accessibility **Privacy Policy**

Freedom of Information Act

GSA General Services Administration

Office of Management and Budget