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Business Case

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Section A: Investment Summary Information

Investment Name	Unique Investment Identifier
NOAA/NWS/ Dissemination	006-000312900

Investment Description

Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives.

Agency		Point of Contact	
Department of Commerce		Andre Mendes - CIO	
		email	202-482-4797
Investment Type		Bureau	
Major IT Investments		National Oceanic and Atmospheric Administration	
Mission Support		Shared Service Category	
Not Applicable		Not Applicable	
Shared Service Identifier			
Not Applicable			
Date Investment First Submitted		Date of Last Investment Detail Update	
09/20/2021		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.

The Integrated Dissemination Program (IDP) is a matrixed program that interacts and works closely with other NOAA programs and projects. As such IDP contributes to the benefits of other NOAA programs and projects such as the GOES-R program and the Next Generation Air Transportation System program. Dissemination is absolutely critical for the dissemination of National Weather Service (NWS) weather, water, and climate data and information to the public to support sector-relevant economic productivity and to help communities, businesses, and governments understand and adapt to weather and climate-related risks operating 24/7, 365 days a year. 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. Below are the estimated return on investment (ROI) for FY14 - FY16: Return on Investment in FY2014 was 334%; Return on Investment in FY2015 was 346%; Return on Investment in FY2016 was 464%.

Section C: Investment and Contracts

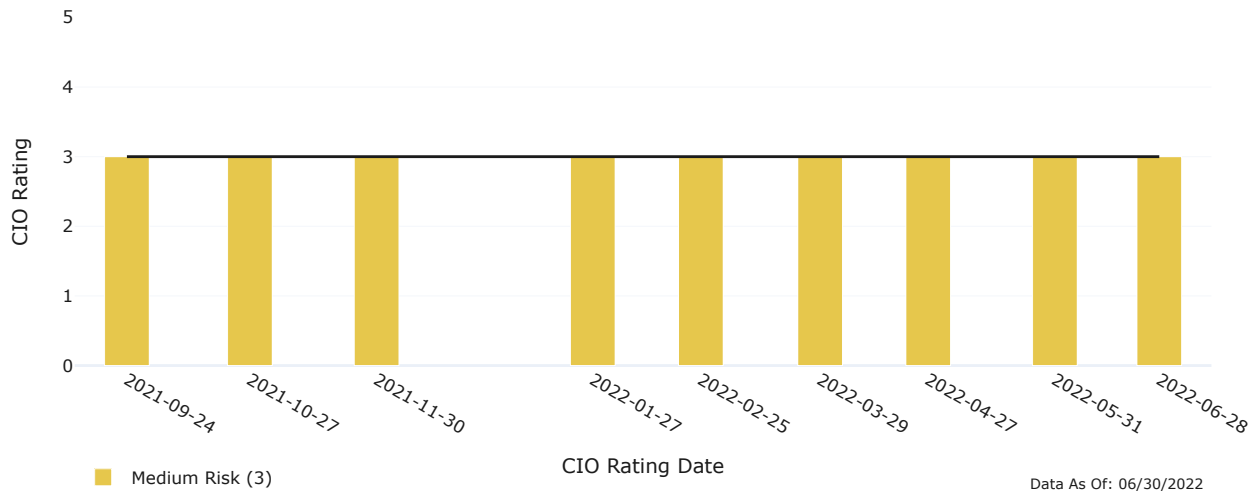
Public URLs

- <http://nomads.ncep.noaa.gov/>
- <http://mag.ncep.noaa.gov/>
- <http://www.weather.gov/>
- <http://nowcoast.noaa.gov/>
- <http://mrms.ncep.noaa.gov/data/>
- <https://madis.ncep.noaa.gov/>
- <http://ftpprd.ncep.noaa.gov/>
- <http://www.charts.noaa.gov/>
- <https://inws.ncep.noaa.gov/>
- <http://idpgis.ncep.noaa.gov/arcgis/rest/services>
- <https://api.weather.gov/>
- <https://alerts.weather.gov/>
- <https://forecast-v3.weather.gov/>
- <http://alerts.weather.gov/>
- <https://radar.weather.gov/>
- <http://water.weather.gov/>
- <https://nwschat.weather.gov/>
- <https://ra4-gifs.weather.gov/>
- <https://graphical.weather.gov/>
- <http://airquality.weather.gov/>
- <https://digital.weather.gov/>

Contracts

- GS00Q17GWD2127
- DOCEA133W15BA0021
- 1305L218PNWWJ0179
- DOCEG133017SE1338
- GS06F0820Z
- 1305M218PNWWJ0148
- 1305L219QNWWJ0190
- 1305L218FNWWE0050
- DOCST133017CQ0049
- 1305M219FNWWJ0043
- GS06F0820Z
- EA133W17CQ0091
- 1305M218PNWWJ0183
- ST133018CQ0049
- DOCDG133W12CQ0008
- 1305M221PNWWJ0175
- 1305M219FNWWE0213/EA133W15BA0021
- 1305M221CNWWJ0009
- 1305M221PNWWJ0041
- 1305L219FNWWJ0165
- EG1330-17-SE1338

Section D: Historic CIO Rating



CIO Rating	Date	Comments
3	Jun 28, 2022	Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives. Accomplishments: Delivered Code for NGITWS. Completed National Viewer Comment Period. Implemented VSAT network monitoring tools (Solarwinds, Netflow). The investment is rated a 3 due to the risk profile and issues.
3	May 31, 2022	Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives. Accomplishments: Completed WPS Engineering Review. Successfully completed MADIS Code Installation in QA. Successfully completed IDPGIS 10.8.1. The investment is rated a 3 due to the risk profile and issues.
3	Apr 27, 2022	Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives. Accomplishments: Successful Go Live of IDP GIS 10.8.1. Initiated Madis code installation. The investment is rated a 3 due to the risk profile and issues.
3	Mar 29, 2022	Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives. Accomplishments: Successful completion of WPS Code Delivery. Provided NWChat Long Term Briefing to PIC. Completion of development for Sequence of Events Circuit Transition Document under EIS Project. The investment is rated a 3 due to the risk profile and issues.
3	Feb 25, 2022	Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives. Accomplishments: Completed Go-Live Ridge 2 release 1.0.5. Completion of the Viewer comment period. Completed initial code delivery of MADIS 4.0. The investment is rated a 3 due to the risk profile and issues.
3	Jan 27, 2022	Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives. Accomplishments: NWChat Medium Term Go Live successfully completed on IDP. Successfully completed Demonstration Data Analysis of NWChat Long Term COTS. Successfully completed Rollout NWR Processes and Case Studies/Success Stories documentation to Regions (vLab Site). The investment is rated a 3 due to the risk profile and issues.
3	Nov 30, 2021	Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives. Accomplishments: 1. Successfully begin NWChat/Slack Demonstration NWS Southern Region sites, 2. Successfully completed documentation (Test Plan, Baseline Configuration, Design & Interface) for IP Radio 1 hop, 3. Shared NWS Partner Engagement Toolkit vLab site for review with the regions. The investment is rated a 3 due to the risk profile and issues.
3	Oct 27, 2021	Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives. Accomplishments: nowCOAST v5.4.7 Go Live in Operations at Boulder. Successful Go Live of RIDGE 2 v1.0.4. NGITWS RC19 Go Live in Operations. NWR exceeded the FY21 AOP Milestone by completing 57 out of 50 sites goal. Executing with risks and issues.
3	Sep 24, 2021	Dissemination responsibility includes promoting increased accessibility, interoperability, and stewardship of NOAA data, leading, delivering, and coordinating NWS contribution to NOAA, DOC, and Administration data dissemination initiatives. Accomplishments: SPADES v2.0 Go Live into Operations, Successful configurations of MADIS Development Systems, Successful code delivery for NGITWS RC19 and Ridge2 1.0.4. Executing with issues and target inconsistencies.

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	8.51211	7.551	7.551
O&M Costs	55.263	55.263	55.263
Total	63.77511	62.814	62.814

Table 2: Distribution by Cost Pools			
Cost Pools	PY 2021	CY 2022	BY 2023
Internal Labor	11.443	11.443	11.443
External Labor	32.865	32.865	32.865
Outside Services	0	0	0
Hardware	10.955	10.955	10.955
Software	0	0	0
Facilities & Power	7.551	7.551	7.551
Telecom	0	0	0
Other	0.96111	0	0
Internal Services	0	0	0
Totals	63.77511	62.814	62.814

Cost in millions (M)

Table 3: Distribution by IT Towers			
IT Tower	PY 2021	CY 2022	BY 2023
Security & Compliance	6.05	3.859	3.859
IT Management	0	0	0
Network	13.194	13.194	13.194
Data	0	0	0
Compute	2.12828	1.888	1.888
Storage	0	0	0
End User	0	0	0
Output	0	0	0
Application	3.286	3.286	3.286
Delivery	36.13744	14.938	14.938
Platform	0	0	0
Data Center	2.97939	25.649	25.649
Totals	63.77511	62.814	62.814

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)
FY21 NOAA Weather Radio (NWR)	3120D20002	Complete	6.21	8.3	2020-10-01	2021-09-30	0	0

Project Name	Project UID	Status	Project Life Cycle Cost (\$M)	Cost Variance (%)	Start Date	End Date	Schedule Variance (%)	Schedule Variance (Days)
FY21 Network	3125M20003	Complete	24.71	2.9	2020-10-01	2021-09-30	0	0
Hurricane Supplemental-GIS National Viewer	3125D19006	Complete	2.38	10	2019-05-21	2021-09-30	0	0
FY21 WEB/GIS	3120M20002	Complete	3.68	4	2020-10-01	2021-09-30	0	0
FY21 WCCIS-IDP	3125D20002	Complete	28.21	2.4	2020-10-01	2021-09-30	0	0
FY22 Network	312902	In Progress	24.71	-2.2	2021-10-01	2022-09-30	0	0
FY22 WEB/GIS	312904	In Progress	3.68	-7.3	2021-10-01	2022-09-30	0	0
FY22 WCCIS -IDP	312901	In Progress	28.21	1.7	2021-10-01	2022-09-30	0	0
FY22 NOAA Weather Radio (NWR)	312903	In Progress	6.21	-8.6	2021-10-01	2022-09-30	0	0
FY20 WEB-GIS	3120M20001	Complete	2.45	-9.4	2019-10-01	2020-09-30	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)
3120D20002	FY21 NOAA Weather Radio (NWR)	NWR Upgrades and Support of TCP-IP Technology.	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	6.21	6.20957	5.7
3120D20002	1st Half - FY21 NOAA Weather Radio	NWR Upgrades and Support of TCP-IP Technology.	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-31	2021-03-31	2.75	2.75439	2.75
3120D20002	2nd Half - FY21 NOAA Weather Radio	NWR Upgrades and Support of TCP-IP Technology.	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	3.46	3.45518	2.94
3125M20003	2nd Half - FY21 Network	Support Dissemination Network and Improve Dissemination Network Reliability for 2nd Half of FY20.	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	16.42	16.41964	15.71
3125M20003	1st Half - FY21 Network	Support Dissemination Network and Improve Dissemination Network Reliability for 1st Half of FY21.	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-31	2021-03-31	8.29	8.28743	8.29
3125M20003	FY21 Network	Support Dissemination Network and Improve Dissemination Network Reliability.	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	24.71	24.70707	23.99

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)
3125D19006	FY2020 GIS National Viewer	Improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	2019-10-01	2019-10-01	2019-10-01	2020-09-30	2020-09-30	2020-09-30	0.84	0.815342	0.81
3125D19006	1st Half - FY2020 GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	2019-10-01	2019-10-01	2019-10-01	2020-03-31	2020-03-31	2020-03-31	0.31	0.309071	0.31
3125D19006	2nd Half - FY2020 GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	2020-04-01	2020-04-01	2020-04-01	2020-09-30	2020-09-30	2020-09-30	0.54	0.506271	0.5

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)
3125D19006	2nd Half - FY21 GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	0.38	0.38185	0.35
3125D19006	FY19-GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	2019-05-21	2019-05-21	2019-05-21	2019-09-30	2019-09-30	2019-09-30	0.32	0.304346	0.16
3125D19006	FY21 GIS National Viewer	Improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	0.96	0.96111	0.93

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)
3125D19006	1st Half - FY21 GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-30	2021-03-31	0.58	0.57926	0.58
3120M20002	FY21 WEB/GIS	Support GIS and Web Upgrades and Enhancements.	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30	2021-09-30	3.68	3.68295	3.54
3120M20002	2nd Half - FY21 WEB/GIS	Support GIS and Web Upgrades and Enhancements.	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	2.91	2.90513	2.76
3120M20002	1st Half - FY21 WEB/GIS	Support GIS and Web Upgrades and Enhancements.	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-31	2021-03-31	0.78	0.77782	0.78
3125D20002	1st Half - FY2021 WCCIS -IDP	Provide Support of Dissemination Infrastructure and Improve Dissemination Reliability for 1st Half of FY21.	2020-10-01	2020-11-02	2020-10-01	2021-03-31	2021-03-31	2021-03-31	12.08	12.07861	12.08
3125D20002	2nd Half - FY2021 WCCIS -IDP	Provide Support of Dissemination Infrastructure and Improve Dissemination Reliability for 2nd Half of FY21.	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30	2021-09-30	16.14	16.13528	15.46
3125D20002	FY21 WCCIS -IDP	The NWS ACIO is submitting this change request to initiate the FY21 baseline.	2020-10-01	2020-11-02	2020-10-01	2021-09-30	2021-09-30	2021-09-30	28.21	28.21389	27.54
312902	1st Half - FY22 Network	Support Dissemination Network and Improve Dissemination Network Reliability for 1st Half of FY22.	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	8.29	8.29356	8.87

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)
312902	2nd Half - FY22 Network	Support Dissemination Network and Improve Dissemination Network Reliability for 2nd Half of FY22.	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		16.42	16.379228	1.39
312902	FY22 - Network	Support Dissemination Network and Improve Dissemination Network Reliability.	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		24.71	24.672788	10.26
312904	FY22 - WEB/GIS	Supporting GIS and Web Upgrades and Enhancements.	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		3.68	4.320184	1.01
312904	1st Half - FY22 WEB/GIS	Supporting GIS and Web Upgrades and Enhancements for the 1st Half of FY22	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	0.78	1.239391	0.87
312904	2nd Half - FY22 WEB/GIS	Supporting GIS and Web Upgrades and Enhancements for the 2nd Half of FY22	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		2.91	3.080793	0.14
312901	FY22 WCCIS -IDP	Support Dissemination Infrastructure and Improve Dissemination's Reliability.	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		22.18	10.028301	1
312901	FY22 - Improve DIS	Support Dissemination Infrastructure and Improve Dissemination Reliability.	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		2.43	4.445175	1.66
312901	FY22 - Improve NCO	Support NCO Infrastructure and Improve NCO's Reliability.	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		3.6	12.400273	11.36
312901	1st Half - FY22 WCCIS -IDP	Provide Support of Dissemination Infrastructure and Improve Dissemination Reliability (WPS, NWChat, MADIS)	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	9.06	9.063892	0.86
312901	1st Half - FY22 Improve NCO	Support Dissemination Network and Improve Dissemination Network Reliability (VSAT Upgrades, EIS Circuit Transitions)	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	1.8	1.800055	10.74

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)
312901	1st Half - FY22 Improve DIS	Support Dissemination Network and Improve Dissemination Network Reliability (VSAT Upgrades, EIS Circuit Transitions)	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	1.21	1.214663	1.33
312901	2nd Half - FY22 WCCIS -IDP	Continue Support of Dissemination Infrastructure and Improve Dissemination Reliability (WPS, SPADES, MRMS v12.2)	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		13.12	0.964409	0.13
312901	2nd Half - FY22 Improve NCO	Continue Support Dissemination Network and Improve Dissemination Network Reliability (VSAT Upgrades, EIS Circuit Transitions)	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		1.8	10.600218	0.62
312901	2nd Half - FY22 Improve DIS	Continue Support Dissemination Network and Improve Dissemination Network Reliability (VSAT Upgrades, EIS Circuit Transitions)	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		1.21	3.230512	0.33
312903	FY22 NWR - Improvement	Provide Support for NWR and Improve NWR's Reliability.	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		2.27	2.11168	1.11
312903	1st Half - FY22 NOAA Weather Radio (NWR)	NWR Upgrades and Support of TCP-IP Technology for 1st Half	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	1.62	1.618908	1.75
312903	1st Half - FY22 NWR - Improvement	Start next set of NWR Upgrades at 50 sites and Support of TCP-IP Technology.	2021-10-01	2021-10-01	2021-10-01	2022-03-31	2022-03-31	2022-03-31	1.14	1.135482	1.1
312903	2nd Half - FY22 NOAA Weather Radio (NWR)	NWR Upgrades and Support of TCP-IP Technology for 2nd Half	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		2.32	2.910045	0.16

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)
312903	2nd Half - FY22 NWR - Improvement	Complete NWR Upgrades at 50 sites and Continue Support of TCP-IP Technology.	2022-04-01	2022-04-01	2022-04-01	2022-09-30	2022-09-30		1.14	0.976198	0
312903	FY22 NOAA Weather Radio (NWR)	NWR Upgrades and Support of TCP-IP Technology.	2021-10-01	2021-10-01	2021-10-01	2022-09-30	2022-09-30		3.94	4.528953	1.91
3120M20001	FY2020 WEB/GIS	Support GIS and Web Upgrades and Enhancements.	2019-10-01	2019-10-01	2019-10-01	2020-09-30	2020-09-30	2020-09-30	2.45	2.939303	2.63
3120M20001	1st Half - FY2020 WEB/GIS	Support GIS and Web Upgrades and Enhancements.	2019-10-01	2019-10-01	2019-10-01	2020-03-31	2020-03-31	2020-03-31	0.59	0.587375	0.59
3120M20001	2nd Half - FY2020 WEB/GIS	Support GIS and Web Upgrades and Enhancements.	2020-04-01	2020-04-01	2020-04-01	2020-09-30	2020-09-30	2020-09-30	1.87	2.351928	2.04

Table 3: Project Related Details**FY21 NOAA Weather Radio (NWR)**

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 Network

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)

Hurricane Supplemental-GIS National Viewer

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 WEB/GIS

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 WCCIS-IDP

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 Network

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)
Mix
-

FY22 WEB/GIS

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)
Mix
-

FY22 WCCIS - IDP

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 NOAA Weather Radio (NWR)

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)

Mix

FY20 WEB-GIS

- 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)

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