Exhibit 300: Capital Asset Plan and Business Case Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview (All Capital Assets)

1. Date of Submission:	1/7/2008
2. Agency:	Department of Commerce
3. Bureau:	Noaa (Nws)
4. Name of this Capital Asset:	NOAA/NWS/ NWS Office of Hydrologic Development (OHD)
5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.)	006-48-01-12-01-3115-00
6. What kind of investment will this be in FY2009? (Please NOTE: Investments moving to O&M in FY2009, with Planning/Acquisition activities prior to FY2009 should not select O&M. These investments should indicate their current status.)	Operations and Maintenance
7. What was the first budget year this investment was submitted to OMB?	FY2001 or earlier

8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap:

This 300 addresses the IT portion of AHPS (Advanced Hydrologic Prediction Service), NOAA's Water Resources program, and the IT elements of the OHD organization.

NOAA's Water Resources program improves NOAA's suite of products by investing in research and development to advance science of hydrologic prediction and to advance science and technology of hydrologic observing systems. The IT investment for this program focuses on (1) generating gridded forecast and water resource information for the entire U.S., (2) opening the hydrologic modeling system using a service oriented architecture approach, and (3) developing products and techniques for disseminating those products.

The Advanced Hydrologic Prediction Service (AHPS) improves flash flood and river forecasts by the infusion of new science and technology, and provides maintenance and upgrades for OHD software.

The OHD systems are (1) Hydrometeorological Automated Data System (HADS), (2) Development Environment Information Technology (DEIT), and (3) OHD desktop computers and peripherals at NOAA headquarters. HADS provides hydrometeorological observational information to NOAA operational and laboratory facilities. DEIT is the local set of systems used for software development and testing.

This investment supports NOAA's Strategic Plan Mission Goal 3, to serve society's needs for weather and water information. This includes the delivery of flash and river flood watches and warnings for emergency response and river and lake level forecasts to water resource managers to optimize decisions concerning flood control, water supply, river and lake transportation, irrigation, hydropower, ecological maintenance, and recreational usage.

There are no alternative sources in the public or private sectors that could perform this function. NOAA is the only agency whose mission is to produce forecast and warnings for rivers, lake levels, floods and droughts. The Organic Act, passed in October 1890, assigns the reporting of river levels and flood forecasting to the Weather Bureau, now the National Weather Service. Public Law 107-253, the Inland Flood Forecasting and Warning System Act of 2002, direct NOAA to improve the capability to accurately forecast inland flooding, including flooding caused by coastal and ocean storms, through research and modeling, training, and outreach.

9. Did the Agency's Executive/Investment Committee approve this request?	Yes
a. If "yes," what was the date of this approval?	6/30/2004
10. Did the Project Manager review this Exhibit?	Yes
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project?	Yes
a. Will this investment include electronic assets (including computers)?	Yes
b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable	No

to non-IT assets only)	
1. If "yes," is an ESPC or UESC being used to help fund this investment?	
2. If "yes," will this investment meet sustainable design principles?	
3. If "yes," is it designed to be 30% more energy efficient than relevant code?	
13. Does this investment directly support one of the PMA initiatives?	Yes
If "yes," check all that apply:	R and D Investment Criteria Expanded E-Government
a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? (e.g. If E-Gov is selected, is it an approved shared service provider or the managing partner?)	Expanded E-Government: Water resource information is provided electronically, which allows information to be shared over the internet for quick and convenient use by the internal and external end users. R&D Investment Criteria: Per OMB FY2008 guidance, AHPS and Water Resource research is aimed at understanding the processes that control water availability and quality, and improving collection and availability of the data needed to ensure an adequate water supply for the future.
14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? (For more information about the PART, visit www.whitehouse.gov/omb/part.)	Yes
a. If "yes," does this investment address a weakness found during a PART review?	Yes
b. If "yes," what is the name of the PARTed program?	Hydrology Program
c. If "yes," what rating did the PART receive?	Moderately Effective
15. Is this investment for information technology?	Yes

If the answer to Question 15 is "Yes," complete questions 16-23 below. If the answer is "No," do not answer questions 16-23.

For information technology investments only:

16. What is the level of the IT Project? (per CIO Council PM Guidance)	Level 2
17. What project management qualifications does the Project Manager have? (per CIO Council PM Guidance)	(1) Project manager has been validated as qualified for this investment
18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4 - FY 2007 agency high risk report (per OMB Memorandum M-05-23)	No
19. Is this a financial management system?	No
a. If "yes," does this investment address a FFMIA compliance area?	
1. If "yes," which compliance area:	
2. If "no," what does it address?	

b. If "yes," please identify the system name(s) and system acronym(s) as reported in the most recent financial systems inventory update required by Circular A-11 section 52

20. What is the percentage breakout for the total FY2009 funding request for the following? (This should total 100%)

Hardware	7
Software	4
Services	63
Other	26
21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities?	No

23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval? Yes

Question 24 must be answered by all Investments:

24. Does this investment directly support one of the GAO High Risk Areas? No

Section B: Summary of Spending (All Capital Assets)

1. Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal personnel costs should be included only in the row designated "Government FTE Cost," and should be excluded from the amounts shown for "Planning," "Full Acquisition," and "Operation/Maintenance." The "TOTAL" estimated annual cost of the investment is the sum of costs for "Planning," "Full Acquisition," and "Operation/Maintenance." For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.

	PY-1 and earlier	PY 2007	CY 2008	BY 2009
Planning:	0.85	0.1	0	0
Acquisition:	3.926	1.925	0	0
Subtotal Planning & Acquisition:	4.776	2.025	0	0
Operations & Maintenance:	5.891	1.206	3.291	3.301
TOTAL:	10.667	3.231	3.291	3.301
Government FTE Costs	2.494	1.12	1.16	1.2
Number of FTE represented by Costs:	91	11	11	11

2. Will this project require the agency to hire additional FTE's? No

a. If "yes," How many and in what year?

3. If the summary of spending has changed from the FY2008 President's budget request, briefly explain those changes:

N/A

Section C: Acquisition/Contract Strategy (All Capital Assets)

1. Complete the table for all (including all non-Federal) contracts and/or task orders currently in place or planned for this investment. Total Value should include all option years for each contract. Contracts and/or task orders completed do not need to be included.

Contracts/Task Orders Table: * Costs in millions

Contract or Task Order Number	Type of Contract/ Task Order	Has the contract been awarded (Y/N)	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order ($M)	Is this an Interagency Acquisition? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	Contracting Officer Certification Level (Level 1,2,3,N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition? (Y/N)
DG133W-03CQ-0021	FFP, CPFF, IDIQ, Task Order Driven	Yes	6/26/2003	6/26/2003	6/25/2013	80.00	No	Yes	Yes	NA	No	Yes	Anita R Middleton	Anita.R.Middleton@noaa.gov	Level 3	
DG133W-03CT-0030	FPI	Yes	8/7/2003	8/7/2003	8/6/2009	46.00	No	Yes	Yes	NA	No	Yes	Mark A. Miller	mark.a.miller@noaa.gov	Level 2	

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

* The RTi contract was awarded on 6/26/2003, and the RSIS contract was awarded on 8/72003. Both of these dates are well before the EVMS-in-the-contract requirement began.

* At the contract level, both the RTi and RSIS contracts are for general services, rather than for specific deliverables. Deliverable tracking and subsequent cost/performance tracking are done at the task level.

* The RSIS contract has tasks from NWS OCIO, OHD, NWS Regions and others. OHD accounts for only 25% of the RSIS contract.

* The RTi contract has tasks from OHD, International, NESDIS and others.

The only viable options are to compute earned value on the Advance Hydrologic Prediction Service (AHPS) and Water Resource projects, or compute earned value on the individual Contract Tasks. For the reasons stated above, and due to the high complexity and cost of computing earned value on a task-by-task basis, OHD has implemented the first option.

In addition to using EVMS, the projects are reviewed monthly and quarterly to assure they are meeting cost, schedule and performance requirements, and are being effectively integrated throughout the investment. Microsoft Project and Microsoft Excel are the primary tools used to compute earned value each month.

3. Do the contracts ensure Section 508 compliance?	Yes
a. Explain why:	All Procurement Requests (CD-435) originating from the Office of Hydrologic Development contain the NOAA Section 508 Standards Checklist and Assessment Certification Form to ensure 508 Compliance.
4. Is there an acquisition plan which has been approved in accordance with agency requirements?	Yes
a. If "yes," what is the date?	7/31/2006
b. If "no," will an acquisition plan be developed?	
1. If "no," briefly explain why:	

Section D: Performance Information (All Capital Assets)

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative or qualitative measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding "Measurement Area" and "Measurement Grouping" identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond FY 2009.

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Customer Benefit	Customer Satisfaction	Hydrology program customer satisfaction index	77%	78%	78%
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	# of locations for River and Lake Probabilistic Forecasts	1,376 Locations	1,684 Locations	1,690 Locations

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	environmental needs.							
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Economic benefits along river and lakes due to flood mitigation, enhanced water management, optimal irrigation scheduling and more efficient hydropower generation	$263 M	$322 M	$323M
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Cycle Time and Resource Time	Timeliness	Hydromet observation data delivery to NWS field offices (Minutes)	4.0 Min.	4.0 Min.	3.6 Min
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Reliability and Availability	Availability	OHD development environment IT availability	95%	95%	99%
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Customer Benefit	Customer Satisfaction	Hydrology program customer satisfaction index	78%	78%	78% thru 6/30/2007
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	# of locations for River and Lake Probabilistic Forecasts	1,684 Locations	1,993 Locations	1,816 Locations thru 6/30/2007
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Economic benefits along river and lakes due to flood mitigation, enhanced water management, optimal irrigation scheduling and more efficient hydropower generation	$323 M	$381 M	$347 M thru 6/30/2007
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Cycle Time and Resource Time	Timeliness	Hydromet observation data delivery to NWS field offices (Minutes)	4.0 Min.	3.5 Min.	2.5 Min. thru 6/30/2007
2007	3.1 Advance understanding and predict	Technology	Reliability and Availability	Availability	OHD development environment IT	95%	95%	99% thru 6/30/2007

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	changes in the Earth's environment to meet America's economic, social, and environmental needs.				availability			
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Customer Benefit	Customer Satisfaction	Hydrology program customer satisfaction index	78%	79%	TBD
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	# of locations for River and Lake Probabilistic Forecasts	1,993 Locations	2,301 Locations	TBD
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Economic benefits along river and lakes due to flood mitigation, enhanced water management, optimal irrigation scheduling and more efficient hydropower generation	$381 M	$439 M	TBD
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Cycle Time and Resource Time	Timeliness	Hydromet observation data delivery to NWS field offices (Minutes)	3.5 Min.	3.5 Min.	TBD
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Reliability and Availability	Availability	OHD development environment IT availability	95%	95%	TBD
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Customer Benefit	Customer Satisfaction	Hydrology program customer satisfaction index	79%	79%	TBD
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	# of locations for River and Lake Probabilistic Forecasts	2,301 Locations	2,617 Locations	TBD

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	needs.							
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Percent Nationwide Gridded Coverage	0%	2%	TBD
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Economic benefits along river and lakes due to flood mitigation, enhanced water management, optimal irrigation scheduling and more efficient hydropower generation	$439 M	$500 M	TBD
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Cycle Time and Resource Time	Timeliness	Hydromet observation data delivery to NWS field offices (Minutes)	3.5 Min.	3.5 Min.	TBD
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Reliability and Availability	Availability	OHD development environment IT availability	95%	95%	TBD

Section E: Security and Privacy (IT Capital Assets only)

In order to successfully address this area of the business case, each question below must be answered at the system/application level, not at a program or agency level. Systems supporting this investment on the planning and operational systems security tables should match the systems on the privacy table below. Systems on the Operational Security Table must be included on your agency FISMA system inventory and should be easily referenced in the inventory (i.e., should use the same name or identifier).

For existing Mixed-Life Cycle investments where enhancement, development, and/or modernization is planned, include the investment in both the "Systems in Planning" table (Table 3) and the "Operational Systems" table (Table 4). Systems which are already operational, but have enhancement, development, and/or modernization activity, should be included in both Table 3 and Table 4. Table 3 should reflect the planned date for the system changes to be complete and operational, and the planned date for the associated C&A update. Table 4 should reflect the current status of the requirements listed. In this context, information contained within Table 3 should characterize what updates to testing and documentation will occur before implementing the enhancements; and Table 4 should characterize the current state of the materials associated with the existing system.

All systems listed in the two security tables should be identified in the privacy table. The list of systems in the "Name of System" column of the privacy table (Table 8) should match the systems listed in columns titled "Name of System" in the security tables (Tables 3 and 4). For the Privacy table, it is possible that there may not be a one-to-one ratio between the list of systems and the related privacy documents. For example, one PIA could cover multiple systems. If this is the case, a working link to the PIA may be listed in column (d) of the privacy table more than once (for each system covered by the PIA).

The questions asking whether there is a PIA which covers the system and whether a SORN is required for the system are discrete from the narrative fields. The narrative column provides an opportunity for free text explanation why a working link is not provided. For example, a SORN may be required for the system, but the system is not yet operational. In this circumstance, answer "yes" for column (e) and in the narrative in column (f), explain that because the system is not operational the SORN is not yet required to be published.

Please respond to the questions below and verify the system owner took the following actions:

1. Have the IT security costs for the system(s) been identified and integrated into the overall costs of the investment: Yes

a. If "yes," provide the "Percentage IT Security" for the budget year:	7
2. Is identifying and assessing security and privacy risks a part of the overall risk management effort for each system supporting or part of this investment.	Yes
5. Have any weaknesses, not yet remediated, related to any of the systems part of or supporting this investment been identified by the agency or IG?	Yes
a. If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process?	Yes
6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses?	No

a. If "yes," specify the amount, provide a general description of the weakness, and explain how the funding request will remediate the weakness.

8. Planning & Operational Systems - Privacy Table:

(a) Name of System	(b) Is this a new system? (Y/N)	(c) Is there at least one Privacy Impact Assessment (PIA) which covers this system? (Y/N)	(d) Internet Link or Explanation	(e) Is a System of Records Notice (SORN) required for this system? (Y/N)	(f) Internet Link or Explanation
HADS	No	No	No, because the system does not contain, process, or transmit personal identifying information.	No	No because the system is not a Privacy Act system of records.
DEIT	No	No	No, because the system does not contain, process, or transmit personal identifying information.	No	No because the system is not a Privacy Act system of records.

Section F: Enterprise Architecture (EA) (IT Capital Assets only)

In order to successfully address this area of the capital asset plan and business case, the investment must be included in the agency's EA and Capital Planning and Investment Control (CPIC) process and mapped to and supporting the FEA. The business case must demonstrate the relationship between the investment and the business, performance, data, services, application, and technology layers of the agency's EA.

1. Is this investment included in your agency's target enterprise architecture?	Yes
a. If "no," please explain why?	
2. Is this investment included in the agency's EA Transition Strategy?	Yes
a. If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment.	NOAA Office of Hydrologic Development
b. If "no," please explain why?	
3. Is this investment identified in a completed (contains a target architecture) and approved segment architecture?	No
a. If "yes," provide the name of the segment architecture as provided in the agency's most recent annual EA Assessment.	

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Back Office Services	Asset / Materials Management	Computers / Automation Management			No Reuse	5
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Back Office Services	Data Management	Data Exchange			No Reuse	5
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications. Organizational Management Network Management Network Management	Back Office Services	Data Management	Data Exchange	Data Exchange	006-48-01-12-01-3101-00	Internal	0

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
	006-48-01-12-01-3113-00-108-023 Internal 0 Edit							
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Back Office Services	Data Management	Data Exchange	Data Exchange	006-48-01-12-01-3106-00	Internal	0
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Back Office Services	Data Management	Data Exchange	Data Exchange	006-48-01-16-01-3206-00	Internal	0
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science	Back Office Services	Data Management	Data Warehouse	Data Warehouse	006-48-01-13-01-3205-00	Internal	0

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
	applications.							
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications. Organizational Management Network Management Network Management 006-48-01-12-01-3113-00-108-023 Internal 0 Edit	Back Office Services	Data Management	Extraction and Transformation			No Reuse	8
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Back Office Services	Development and Integration	Software Development			No Reuse	30
WW-HYD Enhance Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), enhance the science, technology, and software applications to provide improved/new products and services for the near-term future through applied research and development and software	Back Office Services	Development and Integration	Software Development			No Reuse	50

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
	engineering on operational NWS systems. This enhancement is performed primarily by the NWS Hydrology Laboratory.							
WW-HYD Enhance Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), enhance the science, technology, and software applications to provide improved/new products and services for the near-term future through applied research and development and software engineering on operational NWS systems. This enhancement is performed primarily by the NWS Hydrology Laboratory.	Back Office Services	Development and Integration	Software Development	Software Development	006-48-01-12-01-3101-00	Internal	0
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Back Office Services	Development and Integration	Software Development	Software Development	006-48-01-12-01-3101-00	Internal	0
WW-HYD Produce Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), production of Water Resource Forecasts and Information, including all hydrologic services consisting of river and lake level forecasts, river and flash flood guidance, watches, and warnings, drought forecasts, water quantity and	Business Analytical Services	Knowledge Discovery	Simulation	Simulation	006-48-01-12-01-3101-00	Internal	0

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
	quality information.							
WW-HYD Produce Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), production of Water Resource Forecasts and Information, including all hydrologic services consisting of river and lake level forecasts, river and flash flood guidance, watches, and warnings, drought forecasts, water quantity and quality information.	Business Analytical Services	Knowledge Discovery	Simulation	Simulation	006-48-01-12-01-3118-00	Internal	0
WW-HYD Enhance Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), enhance the science, technology, and software applications to provide improved/new products and services for the near-term future through applied research and development and software engineering on operational NWS systems. This enhancement is performed primarily by the NWS Hydrology Laboratory.	Business Management Services	Management of Processes	Change Management	Change Management	006-48-01-12-01-3101-00	Internal	0
WW-HYD Enhance Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), enhance the science, technology, and software applications to provide improved/new products and services for the near-term future through applied research and development and software engineering on operational NWS systems. This enhancement is performed primarily by the NWS Hydrology Laboratory.	Business Management Services	Management of Processes	Change Management	Change Management	006-48-01-12-01-3102-00	Internal	0
WW-HYD Support Water Resource	In accordance with the Weather Service	Business Management Services	Management of Processes	Change Management	Change Management	006-48-01-12-01-3101-00	Internal	0

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
Forecasts and Information	Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.							
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Business Management Services	Management of Processes	Change Management	Change Management	006-48-01-12-01-3102-00	Internal	0
WW-HYD Enhance Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), enhance the science, technology, and software applications to provide improved/new products and services for the near-term future through applied research and development and software engineering on operational NWS systems. This enhancement is performed primarily by the NWS Hydrology Laboratory.	Business Management Services	Organizational Management	Network Management	Network Management	006-48-01-12-01-3113-00	Internal	0
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide	Business Management Services	Organizational Management	Network Management	Network Management	006-48-01-12-01-3113-00	Internal	0

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
	necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.							
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Customer Services	Customer Preferences	Personalization			No Reuse	1
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Customer Services	Customer Relationship Management	Surveys	Surveys	006-48-01-12-01-3120-00	Internal	0
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology	Digital Asset Services	Knowledge Management	Information Retrieval	Information Retrieval	006-48-01-16-01-3206-00	Internal	0

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
	Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.							
WW-HYD Support Water Resource Forecasts and Information	In accordance with the Weather Service Organic Act (15 USC 313), provide necessary support to the Hydrology Program to keep it running, including support in these areas: managerial, policy formulation, product evaluation, information technology, and 24-hour field office support for operational software and science applications.	Digital Asset Services	Knowledge Management	Information Sharing			No Reuse	1

a. Use existing SRM Components or identify as "NEW". A "NEW" component is one not already identified as a service component in the FEA SRM.

b. A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.

c. 'Internal' reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. 'External' reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.

d. Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the percentage of the BY requested funding amount transferred to another agency to pay for the service. The percentages in the column can, but are not required to, add up to 100%.

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard
Software Development	Component Framework	Business Logic	
Software Development	Component Framework	Business Logic	
Software Development	Component Framework	Data Interchange	
Software Development	Component Framework	Data Management	
Software Development	Component Framework	Data Management	
Software Development	Component Framework	Presentation / Interface	
Software Development	Component Framework	Presentation / Interface	
Change Management	Component Framework	Security	
Change Management	Component Framework	Security	

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard
Change Management	Component Framework	Security	
Change Management	Service Access and Delivery	Access Channels	
Software Development	Service Access and Delivery	Access Channels	
Software Development	Service Access and Delivery	Access Channels	
Software Development	Service Access and Delivery	Access Channels	
Change Management	Service Access and Delivery	Delivery Channels	
Change Management	Service Access and Delivery	Delivery Channels	
Change Management	Service Access and Delivery	Service Requirements	
Change Management	Service Access and Delivery	Service Requirements	
Change Management	Service Access and Delivery	Service Requirements	
Software Development	Service Access and Delivery	Service Transport	
Change Management	Service Access and Delivery	Service Transport	
Change Management	Service Access and Delivery	Service Transport	
Change Management	Service Access and Delivery	Service Transport	
Change Management	Service Access and Delivery	Service Transport	
Change Management	Service Access and Delivery	Service Transport	
Change Management	Service Access and Delivery	Service Transport	
Change Management	Service Interface and Integration	Integration	
Software Development	Service Interface and Integration	Integration	
Software Development	Service Interface and Integration	Integration	
Software Development	Service Interface and Integration	Interoperability	
Software Development	Service Interface and Integration	Interoperability	
Software Development	Service Platform and Infrastructure	Database / Storage	
Software Development	Service Platform and Infrastructure	Delivery Servers	
Software Development	Service Platform and Infrastructure	Hardware / Infrastructure	
Software Development	Service Platform and Infrastructure	Hardware / Infrastructure	
Software Development	Service Platform and Infrastructure	Hardware / Infrastructure	
Software Development	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Network Management	Service Platform and Infrastructure	Hardware / Infrastructure	
Software Development	Service Platform and Infrastructure	Hardware / Infrastructure	
Software Development	Service Platform and	Hardware / Infrastructure	

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard
	Infrastructure		
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Software Engineering	
Software Development	Service Platform and Infrastructure	Support Platforms	
Software Development	Service Platform and Infrastructure	Support Platforms	

a. Service Components identified in the previous question should be entered in this column. Please enter multiple rows for FEA SRM Components supported by multiple TRM Service Specifications

b. In the Service Specification field, agencies should provide information on the specified technical standard or vendor product mapped to the FEA TRM Service Standard, including model or version numbers, as appropriate.

Exhibit 300: Part III: For "Operation and Maintenance" investments ONLY (Steady State)

Section A: Risk Management (All Capital Assets)

Part III should be completed only for investments identified as "Operation and Maintenance" (Steady State) in response to Question 6 in Part I, Section A above.

You should have performed a risk assessment during the early planning and initial concept phase of this investment's life-cycle, developed a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.

1. Does the investment have a Risk Management Plan?	Yes
a. If "yes," what is the date of the plan?	7/15/2006
b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?	No
c. If "yes," describe any significant changes:	

2. If there currently is no plan, will a plan be developed?

a. If "yes," what is the planned completion date?

b. If "no," what is the strategy for managing the risks?

Section B: Cost and Schedule Performance (All Capital Assets)

1. Was operational analysis conducted?	Yes
a. If "yes," provide the date the analysis was completed.	12/31/2006

b. If "yes," what were the results?

DEIT's main performance measure is system availability. DEIT was available 99.9% of the time, well within the 95% target. For HADS, the main performance measure is average delivery time of hydromet data to the field. Average delivery remained at 3.6 minutes despite a 4% growth in the number of sites in the network. AHPS the release updated river forecast and calibration software, and an improvement to the algorithms used for measuring precipitation. Advanced hydrologic prediction services were added to 293 river forecast locations. The Water Resources program received its initial funding in July 2006. Work was completed on a "Community Hydrologic Prediction System (CHPS) Roadmap" document in November 2006.

c. If "no," please explain why it was not conducted and if there are any plans to conduct operational analysis in the future:

2. Complete the following table to compare actual cost performance against the planned cost performance baseline. Milestones reported may include specific individual scheduled preventative and predictable corrective maintenance activities, or may be the total of planned annual operation and maintenance efforts).

a. What costs are included in the reported Cost/Schedule Performance information (Government Only/Contractor Only/Both)?	Contractor Only

2.b Comparison of Plan vs. Actual Performance Table:

Comparison of Plan vs. Actual Performance Table

Milestone Number	Description of Milestone	Planned		Actual		Variance	
		Completion Date (mm/dd/yyyy)	Total Cost($M)	Completion Date (mm/dd/yyyy)	Total Cost($M)	Schedule (# days)	Cost($M)
1.0	AHPS	9/30/2014		6/30/2007	$8.007		
2.0	Water Resources	9/30/2015		6/30/2007	$1.091		
3.0	OHD Base IT	9/30/2016		6/30/2007	$4.007		