

**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: 9/10/2007
- 2. Agency: Department of Energy
- 3. Bureau: Environmental And Other Defense Activities
- 4. Name of this Capital Asset: RL PHMC - Business Management System (BMS)
- 5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.) 019-10-01-15-01-1061-00
- 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? FY2003

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:

Business Management Systems (BMS) is an integrated set of Enterprise Resource Planning (ERP) applications that supports business, transactional & administrative functions for two Hanford Prime contractors (Fluor Hanford and CH2M HILL) & serves approx. 5000 employees. BMS consists of custom developed & commercial-off-the-shelf (COTS) applications that are needed to support Hanford site operations & meet DOE contractual requirements. BMS is an O&M steady-state contractor system used by contractor employees. BMS supports transactional & administrative functions required by the Contractors under the Dept. of Energy's General Management line of business. BMS applications include: payroll, human resources admin, pension & benefits admin, enterprise reporting, General Ledger & Costing, contracts & supply chain mgmt., DOE STARS submittal data. BMS supports the DOE EM mission to complete the safe cleanup of the environmental legacy at weapons sites.

BMS supports the PMA (see Section I.A.13 for listing) & the e-Gov initiative of collaboration & reuse (see Section III.B). BMS has reusable components under the FEA. (Ref 2007 DOE EA OMB submission Appendix A, p153)

Without BMS, DOE subcontractors would lose financial control, asset accountability, as well as inability to pay employees and manage site benefits.

The BMS investment supports the following Enterprise Business Model (EBM) General Mgmt. Functions & Sub-Functions:  
 1) Human Resource Mgmt. (sub-functions Benefits Mgmt, Comp. Mgmt, Employee Dev & Perform Mgmt, Employee Relations, HR Strategy, Labor Relations, Organization Mgmt, Staff Acquisition). The PeopleSoft (HCM) suite of modules are used to support these sub functions. These modules include Benefits, Payroll, Training, Pension, HR Core Activities. Nine custom HR modules are integrated into the 5 COTS modules.

2) Fin. Mgmt. (sub-functions include Accounting, Asset & Liability Mgmt, Budget, Finance, Collections, Receivables, Reporting and Information). The PeopleSoft Financials ERP COTS modules are Project Costing & General Ledger. The Sunflower Asset Mgmt System is used for property mgmt. DOE STARS data for DOE-RL & DOE-ORP originates from these applications.

3) Supply Chain Mgmt. & Acquisition (sub-functions include Goods Acquisition, Inventory Control, Logistics Mgmt., Mgmt. of Contractor Workforce, Payments). The Ventyx PassPort ERP COTS modules are Inventory, Contracts, Purchasing, Payables, Action Tracking & Document Mgmt.

- 9. Did the Agency's Executive/Investment Committee approve this request? Yes
  - a. If "yes," what was the date of this approval? 8/24/2006
- 10. Did the Project Manager review this Exhibit? Yes
- 11. Contact information of Project Manager?
  - Name Higgins, Eugene W
  - Phone Number 509-376-2536
  - Email eugene\_w\_higgins@rl.gov
  - a. What is the current FAC-P/PM certification level of the Mid/Journeyman-level

project/program manager?

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 to non-IT assets only) No

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:

Human Capital  
Budget Performance Integration  
Financial Performance  
Expanded E-Government  
Competitive Sourcing  
Real Property Asset Management  
Eliminating Improper Payments

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?)

BMS automates internal administrative processes to reduce Hanford site EM cleanup costs. BMS has passed Sarbanes-Oxley IT audits for 4 years without significant findings helps ensure good financial performance and reduces erroneous payments. BMS Human Resources applications assist management of contractor human capital. BMS has collaborated with Bonneville Power Administration & others on Supply Chain system Mgmt. Cost savings from above can be used to support site Hanford cleanup activity.

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](http://www.whitehouse.gov/omb/part).) No

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? Dept of Energy - Environmental Management

c. If "yes," what rating did the PART receive? Adequate

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? Yes

a. If "yes," does this investment address a FFMIA compliance area? Yes

1. If "yes," which compliance area: Provide systems to support controlling the cost of Federal Government & improve performance, productivity and efficiency of Federal financial management systems

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

RL PHMC - Business Management Systems (BMS)

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

Hardware	6
Software	9
Services	71
Other	14
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?	N/A

22. Contact information of individual responsible for privacy related questions:

Name	Edwards, Pam R
Phone Number	509-376-7175
Title	OUO (Official Use Only) Information Officer
E-mail	pamela_r_edwards@rl.gov

23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval? No

Question 24 must be answered by all Investments:

24. Does this investment directly support one of the GAO High Risk Areas? Yes

**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.

Table 1: SUMMARY OF SPENDING FOR PROJECT PHASES (REPORTED IN MILLIONS)									
(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)									
	PY-1 and earlier	PY 2007	CY 2008	BY 2009	BY+1 2010	BY+2 2011	BY+3 2012	BY+4 and beyond	Total
Planning:	0	0	0	0					
Acquisition:	0	0	0	0					
Subtotal Planning & Acquisition:	0	0	0	0					
Operations & Maintenance:	45.585	7.514	7.581	8.068					
TOTAL:	45.585	7.514	7.581	8.068					
<b>Government FTE Costs should not be included in the amounts provided above.</b>									
Government FTE Costs	0.15	0.0256	0.0265	0.0272					
Number of FTE represented by Costs:	2	1	1	1					

Note: For the multi-agency investments, this table should include all funding (both managing partner and partner agencies). Government FTE Costs should not be included as part of the TOTAL represented.

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:  
 The slight decrease (approx 4% postive cost variance) in actual FY06 BMS spending verses budgeted for FY06 in prior year Exhibit 300 submittal, was due to BMS labor under runs. Most of the labor under run was due to BMS reorganization and loss of personnel that were not replaced until late in the fiscal year. There was also some small reductions in labor and hardware costs associated with the implementation of a Net Appliance Storage Area Network and Virtual Machine (VMWare) Server software technology.

Note: Many of the Hanford Site Environmental Management projects supported by the BMS investment are moving

towards Closure. As these projects move to closure and the employment levels at the Hanford Site decline, there will be less and less Usage of the BMS applications. The total number of contractor application users should decline over the next 5 years.

Therefore, BMS expects to see minimal out year increases in the BMS investment outlay assuming BMS stays in a steady state O&M mode and does not take on different or additional scope as a result of the planned IT contractor change. The planned IT Contract changed is addressed in the DOE RFP for the Hanford Mission Support Contract (MSC) which is expected to be awarded by Oct 1, 2007.

For purposes of analysis and application of management control thresholds, the investment lifecycle window 5 years [PY+CY+BY+(BY+1)+(BY+2)] . Lifecycle costs are estimated to be \$39,988,900.00

This BMS investment is managed by DOE-RL federal employee Eugene W. Higgins who is a Level 2 Project Manager certified by the DOE OCIO.

DOE-RL federal employee Dana Kranz also supports this investment and is currently being reviewed for Level 1 Project Manager certification by the DOE OCIO. Her Mentor/Protégé' is Gene Higgins while attaining Level 2 qualifications (2 class to take).

Fluor Hanford contractor Project Manager Al Krogh has been Level 1 certified by the DOE OCIO as of July 2007.

### ***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.

Exhibit 300: RL PHMC - Business Management System (BMS) (Revision 12)

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)
PY07- Fluor Hanford O&M Prime Contract - FY07 Balance of this investment used by BMS procurement of software, hardware, business process and application mgmt oversight. BMS scope recompeted, now part of Mission Support Contract (MSC) for FY08.	Cost Reimbursable Incentive Fee	Yes	10/1/2006	10/1/2006	9/30/2007	2.541	No	Yes	Yes	NA	Yes	Yes	Strickland, Michael S	509-372-8388 / Michael_S_Strickland@rl.gov	N/A	
PY07- Contract Number HPHR, Task Order 30269-014, FY07 IT Application Hosting Tech Support subcontract - Fluor Hanford to LMSI. This contract has been recompeted as the MSC for FY08,	Firm Fixed Price	Yes	10/1/2006	10/1/2006	9/30/2007	2.323	No	Yes	Yes	NA	No	Yes	Campisi, Frank E	509-372-0564 / frank_e_campisi@rl.gov	N/A	

Exhibit 300: RL PHMC - Business Management System (BMS) (Revision 12)

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)
awaiting DOE award. Contracting Officer is Fluor Hanford employee.																
PY07-Contract Number 30270-62, FY07 IT Application Hosting Technical Support subcontract from Fluor Hanford to LMIT. BMS scope recompeted, now part of Mission Support Contract (MSC) for FY08. Contracting Officer is Fluor Hanford employee.	Cost Reimbursable Incentive Fee.	Yes	10/1/2006	10/1/2006	9/30/2007	2.65	No	Yes	Yes	NA	Yes	Yes	Campisi, Frank E	509-372-0564 / frank_e_campisi@rl.gov	N/A	

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:

While the use of EVM is not required for a IT steady state investment, EVM is still utilized to track and manage cost and schedule. As part of our ongoing operational analysis, contract costs, budget, schedule and performance are reviewed on a monthly basis (or more often if needed). Goals and objectives are monitored to assure progress and attainment. Corrective actions are taken if needed to assure performance is met.

3. Do the contracts ensure Section 508 compliance?

N/A

a. Explain why:

BMS is a suite of ERP applications used by contractor staff & are not accessed by the public or DOE employees. Contractor staff do not require 508 compliance.

COTS vendor PeopleSoft says it is committed to ensuring that its products are accessible & usable by all customers, & they understand the requirements for accessible products-as outlined in Section 508. However, they do not certify to be 508 compliant. No publicly available 508 statement can be found for supply chain vendor Ventyx.

4. Is there an acquisition plan which has been approved in accordance with agency requirements?

Yes

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

6/25/2007

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](http://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
2007	GOAL 5.2 Customer Services- Establish customer service approach which permeates all DOE organizations to ensure products and services are delivered meet the Department's commitments to the public, state and local governments, and Congress.	Customer Results	Customer Benefit	Customer Impact or Burden	The percentage of Pensioners or former employees who are using the ability to make autopayments from their Bank Account for Pension or COBRA medical insurance. This ability is not part of our existing BMS applications.	No (0) Pensioners or former employees have the ability to make autopayments from their Bank Account for medical insurance.	The initial capability and 20% use of this function	Data not yet available at time of submittal - This is a small software customization task now in the testing phase. Actual results are expected to exceed the target
2007	GOAL 5.2 Customer Services- Establish customer service approach which permeates all DOE organizations to ensure products and services are	Customer Results	Timeliness and Responsiveness	Response Time	Improved vendor payment cycle time and lower support costs for the vendor payment process using Electronic Funds Transfer automation	Cycle Time for vendor electronic payment process in FY2006	Reduce cycle time for the vendor electronic payment process by 25%	Goal Achieved. Electronic remittance advices are now sent to vendors confirming that payment has been made to them via electronic funds transfer. This

Exhibit 300: RL PHMC - Business Management System (BMS) (Revision 12)

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	delivered meet the Department's commitments to the public, state and local governments, and Congress.							paperless process has reduced costs and cycle times.
2007	GOAL 5.1 Integrated Management-Institute integrated business management approach throughout DOE with clear roles and responsibilities and accountability to include effective line management oversight by Federal and contractor organizations.	Mission and Business Results	Controls and Oversight	Program Monitoring	Sarbanes-Oxley IT Audit Findings on BMS Applications	Baseline is 0 SOX Audit findings	Target is 0 IT SOX finding for FY2007	Goal Achieved. Zero audit findings were identified during SOX audits.
2007	GOAL 5.4 Infrastructure - Build, modernize, and maintain DOE facilities and infrastructure to achieve mission goals and ensure a safe and secure workplace.	Processes and Activities	Cycle Time and Resource Time	Cycle Time	Payroll Cycle Time (processing time)	Current Payroll Cycle Time - 12 hours	Reduce Payroll Cycle Time by 20%	Goal Achieved - Payroll Processing Cycle Time was reduced by more than 20% via payroll database performance tuning and faster database backup technology (NetApp SAN SnapManager).
2007	GOAL 5.4 Infrastructure - Build, modernize, and maintain DOE facilities and infrastructure to achieve mission goals and ensure a safe and secure workplace.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	Quantity of disk storage moved from application servers to Storage Area Network disk array	Baseline is FY06 BMS application server disk storage usage which was approx 1 terabyte.	Use of Storage Area Network (SAN) to reduce the need to procure Windows 2003 server or Unix hardware solely for the purpose of extending disk storage for BMS applications. Net App SAN provides failover and disaster recovery for BMS applications.	Goal Achieved. Approx. 750 Gigabytes have been moved to SAN disk storage and approx 80% of BMS applications now use the SAN as their primary disk storage. SAN technology has improved failover and disaster recovery for BMS applications.
2007	GOAL 5.4 Infrastructure - Build, modernize, and maintain DOE facilities and infrastructure to achieve mission goals and ensure a safe and secure workplace.	Technology	Financial (Technology)	Operations and Maintenance Costs	Number of physical BMS Windows servers replaced with Virtual Machine Technology	Number of physical Windows servers as of 9/30/2006 that have been replaced with Virtual Machines	Target is to reduce number of BMS Windows physical servers by 50%	Goal partially achieved. Only approx. 25% of the BMS Windows servers were moved to VMWare successfully. Performance and technical issues with VMWare were encountered for some applications which currently prohibits reaching the 50% target.
2008	GOAL 5.1 Integrated Management-Institute integrated business management	Mission and Business Results	Controls and Oversight	Program Monitoring				

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	approach throughout DOE with clear roles and responsibilities and accountability to include effective line management oversight by Federal and contractor organizations.							
2008	GOAL 4.1 Environmental Cleanup – Complete cleanup of the contaminated nuclear weapons manufacturing and testing sites across the U.S. Department of Energy	Mission and Business Results	Supply Chain Management	Inventory Control				
2008	GOAL 5.2 Customer Services– Establish customer service approach which permeates all DOE organizations to ensure products and services are delivered meet the Department's commitments to the public, state and local governments, and Congress.	Technology	Reliability and Availability	Availability				
2009	GOAL 5.1 Integrated Management– Institute integrated business management approach throughout DOE with clear roles and responsibilities and accountability to include effective line management oversight by Federal and contractor organizations.	Mission and Business Results	Controls and Oversight	Program Monitoring				

**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:

a. If "yes," provide the "Percentage IT Security" for the budget year:

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.

3. Systems in Planning and Undergoing Enhancement(s), Development, and/or Modernization - Security Table(s):			
Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Date of Planned C&A update (for existing mixed life cycle systems) or Planned Completion Date (for new systems)

4. Operational Systems - Security Table:							
Name of System	Agency/ or Contractor Operated System?	NIST FIPS 199 Risk Impact level (High, Moderate, Low)	Has C&A been Completed, using NIST 800-37? (Y/N)	Date Completed: C&A	What standards were used for the Security Controls tests? (FIPS 200/NIST 800-53, NIST 800-26, Other, N/A)	Date Complete(d): Security Control Testing	Date the contingency plan tested
RL PHMC - Business Management System (BMS)  Note: New accreditation boundary name for this investment is = RL Hanford 2007; which became effective with the 6/30/2007.							

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?

a. If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process?

6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses?

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

7. How are contractor security procedures monitored, verified, and validated by the agency for the contractor systems above?

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
RL - PHMC - Business Management System (BMS)	No	Yes	A PIA for this investment (dated July 30, 2007) was completed and submitted to the RL Field Office per letter FH-0701426A R1 CONTRACT NO. DE-AC06-96RL13200. The Internet link will be <a href="http://management.energy.gov/FOIA/1470.htm#Environmental_Management_EM">http://management.energy.gov/FOIA/1470.htm#Environmental_Management_EM</a> listed under the Environmental Management section. The specific PIA document link will be available as soon as it is created.	Yes	See Notices DOE-05, DOE-28 located on pages 38788-38790 of the following June 30, 2003 Federal Register Document, Part II. <a href="http://www.mbe.doe.gov/me70/foia/ParecordsJun30.pdf">http://www.mbe.doe.gov/me70/foia/ParecordsJun30.pdf</a>
<b>Details for Text Options:</b>					
Column (d): If yes to (c), provide the link(s) to the publicly posted PIA(s) with which this system is associated. If no to (c), provide an explanation why the PIA has not been publicly posted or why the PIA has not been conducted.					
Column (f): If yes to (e), provide the link(s) to where the current and up to date SORN(s) is published in the federal register. If no to (e), provide an explanation why the SORN has not been published or why there isn't a current and up to date SORN.					
Note: Working links must be provided to specific documents not general privacy websites. Non-working links will be considered as a blank field.					

**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. RL PHMC - Business Management Systems (BMS)
  - b. If "no," please explain why?
  
3. Is this investment identified in a completed (contains a target architecture) and approved segment architecture? Yes
  - a. If "yes," provide the name of the segment architecture as provided in the agency's most recent annual EA Assessment. Financial Management

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 <a href="http://www.egov.gov">http://www.egov.gov</a> .								
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)
Property / Asset Management	Support the identification, planning and allocation of an organization's physical capital and resources	Back Office Services	Asset / Materials Management	Property / Asset Management			No Reuse	
Data Mart	Support a subset of a data	Back Office Services	Data Management	Data Mart			Internal	

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<b>4. Service Component Reference Model (SRM) Table:</b>								
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 <a href="http://www.egov.gov">http://www.egov.gov</a> .								
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)
	warehouse for a single department or function within an organization							
Data Warehouse	Support the archiving and storage of large volumes of data	Back Office Services	Data Management	Data Warehouse			Internal	
Auditing	Support the examination and verification of records for accuracy	Back Office Services	Financial Management	Auditing			Internal	
Billing and Accounting	Support the Charging, collection and reporting of the Organization's accounts	Back Office Services	Financial Management	Billing and Accounting			No Reuse	
Credit / Charge	Support the use of credit cards or electronic funds transfers for payment and collection of products or services	Back Office Services	Financial Management	Credit / Charge			No Reuse	
Expense Management	Support the management and reimbursement of costs paid by employees or an organization	Back Office Services	Financial Management	Expense Management			No Reuse	
Payment / Settlement	Support the process of accounts payable	Back Office Services	Financial Management	Payment / Settlement			No Reuse	
Payroll	Involve the administration and determination of employees compensation	Back Office Services	Financial Management	Payroll			No Reuse	
Revenue Management	Support the allocation and re-investment of earned net credit or capital within an organization	Back Office Services	Financial Management	Revenue Management			No Reuse	
Contingent Workforce Management	Support the continuity of operations for an organization's business through the identification of alternative organization personnel	Back Office Services	Human Capital / Workforce Management	Contingent Workforce Management			No Reuse	
Team / Org Management	Support the hierarchy structure and identification of employees within the various sub-groups of an organization	Back Office Services	Human Capital / Workforce Management	Team / Org Management			No Reuse	
Workforce Acquisition / Optimization	Support the hiring and restructuring of employees and their roles within an organization	Back Office Services	Human Capital / Workforce Management	Workforce Acquisition / Optimization			No Reuse	
Benefit Management	Support the enrollment and participation in an	Back Office Services	Human Resources	Benefit Management			No Reuse	

Exhibit 300: RL PHMC - Business Management System (BMS) (Revision 12)

<b>4. Service Component Reference Model (SRM) Table:</b>								
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 <a href="http://www.egov.gov">http://www.egov.gov</a> .								
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)
	organization's compensation and benefits programs							
Education / Training	Support the active building of employee competencies, to include the range of training from professional development to general awareness training	Back Office Services	Human Resources	Education / Training			Internal	
Personnel Administration	Support the matching between an organization's employees and potential opportunities as well as the modification, addition and general upkeep of an organization's employee-specific information	Back Office Services	Human Resources	Personnel Administration			No Reuse	
Recruiting	Support the identification and hiring of employees for an organization	Back Office Services	Human Resources	Recruiting			No Reuse	
Resume Management	Support the maintenance and administration of one's professional or work experience and qualifications	Back Office Services	Human Resources	Resume Management			No Reuse	
Retirement Management	Support the payment of benefits to retirees	Back Office Services	Human Resources	Retirement Management			No Reuse	
Time Reporting	Support the submission, approval and adjustment of an employee's hours	Back Office Services	Human Resources	Time Reporting			No Reuse	
Travel Management	Support the transit and mobility of an organization's employees for business purposes	Back Office Services	Human Resources	Travel Management			No Reuse	
Decision Support and Planning	Support the analysis of information and predict the impact of decisions before they are made	Business Analytical Services	Business Intelligence	Decision Support and Planning			Internal	
Ad Hoc	Support the use of dynamic reports on an as needed basis	Business Analytical Services	Reporting	Ad Hoc			Internal	
Standardized / Canned	Support the use of pre-conceived or pre-written reports	Business Analytical Services	Reporting	Standardized / Canned			Internal	
Catalog Management	Support the listing of	Business Management	Supply Chain Management	Catalog Management			No Reuse	

Exhibit 300: RL PHMC - Business Management System (BMS) (Revision 12)

<b>4. Service Component Reference Model (SRM) Table:</b>								
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 <a href="http://www.egov.gov">http://www.egov.gov</a> .								
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)
	available products or services that an organization offers	Services						
Inventory management	Provide for the balancing of customer service levels with inventory investment	Business Management Services	Supply Chain Management	Inventory management			No Reuse	
Invoice / Requisition Tracking and Approval	Support the identification of where a shipment or delivery is within the business cycle	Business Management Services	Supply Chain Management	Invoice / Requisition Tracking and Approval			No Reuse	
Ordering / Purchasing	Allow the placement of request for a product	Business Management Services	Supply Chain Management	Ordering / Purchasing			No Reuse	
Procurement	Support the ordering and purchasing of products and services	Business Management Services	Supply Chain Management	Procurement			No Reuse	
Support the ordering and purchasing of products and	Support the supply of goods or services as well as the tracking and analysis of costs for these goods	Business Management Services	Supply Chain Management	Sourcing Management			No Reuse	
Warehouse Management	Provide for the storage and movement of materials within a warehouse, including these processes: material receipt, order picking, packaging, labeling and shipping	Business Management Services	Supply Chain Management	Warehouse management			No Reuse	

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%.

<b>5. Technical Reference Model (TRM) Table:</b>				
To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.				
FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
Expense Management	Component Framework	Business Logic	Platform Dependent	
Ordering / Purchasing	Component Framework	Business Logic	Platform Independent	
Payroll	Component Framework	Business Logic	Platform Independent	
Ordering / Purchasing	Component Framework	Data Management	Database Connectivity	

Exhibit 300: RL PHMC - Business Management System (BMS) (Revision 12)

<b>5. Technical Reference Model (TRM) Table:</b>				
To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.				
<b>FEA SRM Component (a)</b>	<b>FEA TRM Service Area</b>	<b>FEA TRM Service Category</b>	<b>FEA TRM Service Standard</b>	<b>Service Specification (b) (i.e., vendor and product name)</b>
Personnel Administration	Component Framework	Presentation / Interface	Dynamic Server-Side Display	
Standardized / Canned	Component Framework	Presentation / Interface	Static Display	
Personnel Administration	Component Framework	Security	Supporting Security Services	
Billing and Accounting	Service Access and Delivery	Access Channels	Other Electronic Channels	
Time Reporting	Service Access and Delivery	Access Channels	Web Browser	
Ordering / Purchasing	Service Access and Delivery	Service Transport	Service Transport	
Decision Support and Planning	Service Access and Delivery	Service Transport	Service Transport	
Warehouse management	Service Access and Delivery	Service Transport	Supporting Network Services	
Data Warehouse	Service Interface and Integration	Integration	Middleware	
Travel Management	Service Interface and Integration	Interface	Service Description / Interface	
Catalog Management	Service Interface and Integration	Interface	Service Description / Interface	
Procurement	Service Interface and Integration	Interface	Service Description / Interface	
Inventory management	Service Interface and Integration	Interface	Service Description / Interface	
Invoice / Requisition Tracking and Approval	Service Interface and Integration	Interface	Service Description / Interface	
Ad Hoc	Service Interface and Integration	Interface	Service Description / Interface	
Decision Support and Planning	Service Interface and Integration	Interface	Service Description / Interface	
Sourcing Management	Service Interface and Integration	Interface	Service Description / Interface	
Revenue Management	Service Interface and Integration	Interface	Service Description / Interface	
Billing and Accounting	Service Interface and Integration	Interface	Service Description / Interface	
Credit / Charge	Service Interface and Integration	Interface	Service Description / Interface	
Contingent Workforce Management	Service Interface and Integration	Interface	Service Description / Interface	
Personnel Administration	Service Interface and Integration	Interface	Service Description / Interface	
Team / Org Management	Service Interface and Integration	Interface	Service Description / Interface	
Workforce Acquisition / Optimization	Service Interface and Integration	Interface	Service Description / Interface	
Benefit Management	Service Interface and Integration	Interface	Service Description / Interface	
Retirement Management	Service Interface and Integration	Interface	Service Description / Interface	
Recruiting	Service Interface and Integration	Interface	Service Description / Interface	
Resume Management	Service Interface and Integration	Interface	Service Description / Interface	
Property / Asset Management	Service Interface and Integration	Interface	Service Description / Interface	
Benefit Management	Service Platform and Infrastructure	Database / Storage	Database	
Billing and Accounting	Service Platform and Infrastructure	Database / Storage	Database	
Data Mart	Service Platform and Infrastructure	Database / Storage	Database	
Inventory management	Service Platform and Infrastructure	Delivery Servers	Application Servers	
Time Reporting	Service Platform and Infrastructure	Delivery Servers	Application Servers	
Credit / Charge	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	
Payment / Settlement	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	
Billing and Accounting	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	
Procurement	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	

Exhibit 300: RL PHMC - Business Management System (BMS) (Revision 12)

**5. Technical Reference Model (TRM) Table:**

To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
Inventory management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	
Auditing	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Education / Training	Service Platform and Infrastructure	Software Engineering	Test Management	
Personnel Administration	Service Platform and Infrastructure	Software Engineering	Test Management	

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.

6. Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?  No

a. If "yes," please describe.

<b>Exhibit 300: Part III: For "Operation and Maintenance" investments ONLY (Steady State)</b>
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**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?                                      2/1/2007
  - b. Has the Risk Management Plan been significantly                      Yes  
changed since last year's submission to OMB?
  - c. If "yes," describe any significant changes:

A new Risk Management Plan was created to specifically address the scope of the BMS investment. Prior Risk Management Plans were more broad based, more network oriented and covered more systems than the BMS investment.

BMS Risks are also managed and minimized through the oversight of the BMS technical subcontractor, Lockheed Martin Information Services (LMSI). BMS manages this support via two contracts, one Firm Fixed Price contract for BMS Application Hosting Services (Ref Fluor Hanford/LMSI Contract HPHR, Task Order 30269-014) and another Cost Plus Incentive Fee contract with a Not-To-Exceed limit for BMS Application Services (Ref Fluor Hanford/LMSI Contract HPHS, Task Order 30270-062). These contracts are listed in Section I.C of this Exhibit 300. Full operational assessments are performed monthly with the LMSI subcontractor and weekly status updates are the norm.

Using the Cost Plus Incentive Fee contract for BMS Application Services reduces BMS investment risk by providing a contracting mechanism where unexpected and rapidly changing ERP/Business system requirements (urgent customizations, labor contract changes, etc) can be quickly and efficiently implemented once the changes are approved by Fluor Hanford BMS management.

BMS investment risk is minimized by the Fluor Hanford BMS management team being co-located with the subcontractor technical team and involved in day to day decision making in the management of BMS applications.

BMS Investment risk is also minimized through the use of IT Hardware, Software, and Technical Services procurement strategies outlined in the BMS Acquisition Plan (Fluor Hanford Doc HNF-33695, dated June 2007) and in the Requesting Materials and Services Procedure (Fluor Hanford Doc HNF-PRO-123).

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.                      5/14/2007
  - b. If "yes," what were the results?

Operational Analysis on BMS costs, schedule, work scope & variances occurs monthly with the BMS mgmt team. The 5/14/07 date was for the BMS DOE OA submittal to DOE-HQ and covered the period from 10/1/06 to 4/30/07. There was a small positive CV of 1.3% primarily due to contracted & in-house labor hours planned less than actual expended. This was due to temporary changes in the BMS staff levels (IT staff leaving for other positions & eventually being replaced). There were no BMS schedule or performance variances & work scope stayed constant through this period of performance as would be expected for a steady state investment. BMS is a low risk, O&M investment.

Fiscal Year EAC is on target to meet BAC. The BMS Business Plan goals & objectives are being met. The operational analysis is performed on a monthly basis using Earned Value Data from Hanford Project Management & Financial software applications. This analysis includes a detailed review of monthly & year to date cost elements, cost vs. budget comparison, actual vs. planned schedule status, review of BMS goals & objectives & identification & implementation of corrective actions (if needed). The analysis also includes an ongoing review of application performance for each BMS customer service area & analysis of IT subcontractor service level agreements. BMS continues to provide customers with automated solutions for their business processes & finds COTS solutions if possible.

BMS is continually reviewed for internal reuse opportunities (see I.F.4) & sharing of technology & business processes with other Fed, State & local agencies. Examples:

- 1) Provided Bonneville Power Administration (BPA) with a Indus PassPort (Supply Chain) meta data & change management/configuration management application.

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- 2) Teamed w/Energy Northwest (BPA control) regarding Business Intelligence/Enterprise Reporting & Supply Chain application technology.
- 3) BMS applications support DOE-Office of River Protection (ORP) contractor CH2M Hill.
- 4) Teamed w/Washington State Department of Financial Management regarding Data Warehousing, Business Intelligence/Enterprise Reporting applications.
- 5) Process & Technical information exchanges with numerous government/contractor attendees at PeopleSoft, Oracle, Business Objects, Indus vendor User group conferences.
- 6) BMS developed Travel/Expense management application provided to a Federal Emergency Management Agency (FEMA) contractor to assist in FEMA expense management.

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:

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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)
0	PY -1 to PY-6 BMS O&M Steady State Support	9/30/2006	\$45.735	9/30/2006	\$45.735	0	\$0
1	PY07 TBD-BMS O&M Steady State Support. Note the BMS investment is official planned completion date is FY year end Sept 30, 2007. The 8/14/2006 completion date in this table used so current EVM status can properly display. EAC for 9/30/06 is \$7,521.	9/30/2007	\$7.5396				