

FY 2017 Fourth Quarter

Overall Root Cause Analysis (RCA)/Corrective Action Plan (CAP) Performance Metrics

No.	Contract/Project Management Performance Metrics	FY 2017 Target	FY 2017 Actual	Comment
1	Capital Asset Project Success: Complete 90% of capital asset projects at original scope and within 110% of CD-2 TPC.	90%	Construction 88%	Based on 3-year rolling period (FY15 to FY17). TPC is Total Project Cost.

No.	Contract/Project Management Performance Metrics	FY 2017 Target	FY 2017 4th Qtr Actual	Comment
2	Certified EVM Systems: Post CD-3, greater than \$100 million.	95%	80%	EVM: Earned Value Management. CD-3: Critical Decision-3, Approve Start of Construction/Execution.
3	Certified FPD's at CD-1: Projects have certified FPDs no later than CD-1.	95%	97%	FPD: Federal Project Director CD-1: Critical Decision-1, Approve Alternate Selection and Cost Range.
4	Certified FPD's at CD-3: Projects have FPDs certified <u>at the appropriate level</u> assigned to projects no later than CD-3.	90%	96%	
5	Certified Contracting Staff: By the end of FY 2011, 85% of the 1102 contracting series will be certified.	85%	96%	Certified 1102s verified against DOE Human Resources GS-1102 job series
6	Schedule Compliance, Projects Less Than 5 Years Duration: Projects will meet the project schedule metric that follows: from CD-3 to CD-4, projects less than five years duration will be completed within 12 months of the original CD-3/4 duration.	90%	86%	FY15-FY17: 14 completions through 4th Qtr. CD-4: Critical Decision-4, Approve Start of Operations/Project Completion.
7	Schedule Compliance, Projects Greater Than 5 Years Duration: Projects will meet the project schedule metric that follows: from CD-3 to CD-4, projects greater than five years duration will be completed within 20% of the original CD-3/4 duration.	90%	67%	FY15-FY17: 3 completions through 4th Qtr.

FY 2017 Fourth Quarter Project Management Performance Metrics
Supporting Detail for Overall Project and Schedule Success

							Success Metric		
Program	Project Name	Site Code	CD-2 TPC	Latest TPC	Project Status	FY Completed	#1	#6	#7
							Project Success	Schedule Success < 5 Years	Schedule Success > 5 Years
EM-L	Saltstone Disposal Unit #6 (SDU6)	SRS	143,166,420	121,700,000	Completed	2017	Yes	NA	Yes
NA	Dynamic Compression Sector (DCS) at the Advanced Photon Source (ANL-APS)	ANL	24,800,000	22,607,000	Completed and Closed	2015	Yes	Yes	NA
NA	TRU Waste Facilities, Phase B, Staging and Characterization Facility	LANL	99,165,000	97,500,000	Completed	2017	Yes	Yes	NA
NA	High Explosive Pressing Facility (HEPF)	Pantex	80,578,000	117,000,000	Completed	2017	No Cost	No	NA
NA	Waste Solidification Building (WSB)	SRS	344,455,000	363,900,000	Completed	2015	No Scope	No	NA
NA	Nuclear Facility Risk Reduction (NFRR)	Y-12	75,796,000	70,471,000	Completed and Closed	2015	Yes	Yes	NA
NA	Uranium Processing Facility (UPF) Site Readiness Subproject	Y-12	65,000,000	43,322,000	Completed and Closed	2015	Yes	Yes	NA
SC	National Synchrotron Light Source-II (NSLS-II)	BNL	912,000,000	911,288,770	Completed and Closed	2015	Yes	NA	Yes
SC	NSLS II Experimental Tools (NEXT)	BNL	90,000,000	89,303,000	Completed	2017	Yes	Yes	NA
SC	Micro Booster Neutrino Experiment (MicroBooNE)	FNAL	19,900,000	19,286,000	Completed and Closed	2015	Yes	Yes	NA
SC	NERSC Relocation Project	LBNL	19,980,000	19,798,000	Completed and Closed	2015	Yes	Yes	NA
SC	High Resolution and Mass Accuracy Capability Development Project	PNNL	17,500,000	17,499,925	Completed and Closed	2015	Yes	Yes	NA
SC	U.S. Belle II	PNNL	15,000,000	14,778,427	Completed and Closed	2016	Yes	Yes	NA
SC	National Spherical Torus Experiment (NSTX) Upgrade	PPPL	94,276,000	93,700,000	Completed and Closed	2015	Yes	Yes	NA
SC	Research Support Building (RSB) & Infrastructure Modernization Project	SLAC	97,400,000	96,807,000	Completed and Closed	2015	Yes	Yes	NA
SC	Science and User Support Building (SUSB)	SLAC	65,000,000	64,586,000	Completed	2017	Yes	Yes	NA
SC	12 GeV Continuous Electron Beam Accelerator Facility (CEBAF) Upgrade	TJNAF	310,000,000	336,600,000	Completed	2017	Yes	NA	No

Notes:

NA: Not Applicable

(F): (Forecast)

TBD: Result will be determined when Critical Decision-4 Project Completion is approved.

Summary	Project Success	Schedule Success < 5 Years	Schedule Success > 5 Years
# Projects	17	14	3
# Success	15	12	2
% Success	88%	86%	67%

FY 2017 Fourth Quarter Project Management Performance Metrics

Metric #2) Certified Contractor EVM Systems: 80% (8 of 10)

Program	Project Name	Site Code	Current CD	Current TPC (\$K)	CD-3 Is EVMS Certified?	Contractor
NA	Mixed Oxide Fuel Fabrication Facility (MOX)	SRS	CD3	\$ 4,857,129	No	Certification withdrawn October 19, 2016
NA	UPF Mechanical Electrical Building Subproject	Y-12	CD3	\$ 284,000	No	Not certified

Metric #3) Percentage of Projects With CD-1 and a Certified FPD: 97% (61 of 63). Exceptions:

Program	Project Name	Site Code	Current CD	Current TPC (\$K)	CD-1 Is FPD Certified?	Contractor
EM-L	Outfall 200 Mercury Treatment Facility	Oak Ridge	CD3A	\$ 244,000	No	FPD is not certified.
EM-L	A-Area Fire Water Supply Replacement-Repair Project	SRS	CD1	\$ 22,000	No	FPD is not certified.

Metric #4) Percentage of Projects With CD-3 and a Properly Certified FPD: 96% (27 of 28). Exceptions:

Program	Project Name	Site Code	Current CD	Current TPC (\$K)	CD-3 Is FPD Properly Certified?	Contractor
NA	CMRR RLUOB Equipment Installation, Phase 2	LANL	CD3	\$ 633,300	No	FPD is certified for Level 3, needs Level 4