

FY 2018 First Quarter

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

No.	Contract/Project Management Performance Metrics	FY 2018 Target	FY 2018 Forecast	Comment
1	Capital Asset Project Success: Complete 90% of capital asset projects at original scope and within 110% of CD-2 TPC.	90%	Construction 92%	Based on 3-year rolling period (FY16 to FY18). TPC: Total Project Cost.

No.	Contract/Project Management Performance Metrics	FY 2018 Target	FY 2018 1st 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%	98%	FPD: Federal Project Director CD-1: Critical Decision-1, Approve Alternative 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%	90%	
5	Certified Contracting Staff: By the end of FY 2011, 85% of the 1102 contracting series will be certified.	85%	98%	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%	83%	FY16-FY18: 6 completions through 1st 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%	50%	FY16-FY18: 2 completions through 1st Qtr.

Note: Projects \$50M and less that have achieved Critical Decision (CD)-2/3 prior to the recent applicability threshold change to DOE Order 413.3B (Change 4) have been included in the project management success metrics.

FY 2018 First Quarter Project Management Performance Metrics
Supporting Detail for Overall Project and Schedule Success

								Success Metric		
								#1	#6	#7
Program	PARS II Project ID	Project Name	Site Code	CD-2 TPC	Latest TPC	Project Status	FY Completed	Project Success	Schedule Success < 5 Years	Schedule Success > 5 Years
EM-L	1014	For St. Vrain Facility Improvements	INL	11,400	11,400	Active	2018	Yes (F)	TBD	TBD
EM-L	538	Saltstone Disposal Unit #6 (SDU6)	SRS	143,166,420	121,700,000	Completed	2017	Yes	NA	Yes
NA	444	TRU Waste Facilities, Phase B, Staging and Characterization Facility	LANL	99,165,000	97,500,000	Completed	2017	Yes	Yes	NA
NA	754	TA-55 Infrastructure Reinvestment, Phase II, Phase C	LANL	92,696,000	98,925,000	Active	2018	Yes (F)	TBD	TBD
NA	1042	Substation Replacement at TA-3	LANL	28,200	28,200	Active	2018	Yes (F)	TBD	TBD
NA	394	High Explosive Pressing Facility (HEPF)	Pantex	80,578,000	117,000,000	Completed	2017	No Cost	No	NA
NA	1037	Uranium Processing Facility Site Infrastructure and Services	Y-12	78,500,000	78,500,000	Active	2018	Yes (F)	TBD	TBD
SC	692	NSLS II Experimental Tools (NEXT)	BNL	90,000,000	89,303,000	Completed	2017	Yes	Yes	NA
SC	925	Muon g-2 Project at Fermi National Accelerator Laboratory	FNAL	46,400	26,205	Completed	2018	Yes	Yes	NA
SC	895	U.S. Belle II	PNNL	15,000,000	14,778,427	Completed and Closed	2016	Yes	Yes	NA
SC	742	Science and User Support Building (SUSB)	SLAC	65,000,000	64,586,000	Completed	2017	Yes	Yes	NA
SC	482	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	12	6	2
# Success	11	5	1
% Success	92%	83%	50%

FY 2018 First 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: 98% (48 of 49). 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.

Metric #4) Percentage of Projects With CD-3 and a Properly Certified FPD: 90% (18 of 20). 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
SC	Photon Science Laboratory Building (PSLB)	SLAC	CD3	\$ 57,000	No	FPD is Level 1, needs Level 2