



Activity ID	Activity Name	Planned Duration	Start	Finish	Total Float	BL Project Start	BL Project Finish	Q4	FY2016					FY2017				FY2018				FY2019				FY2020				FY2021				FY2022
									FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2
1608_CFR_WK CFR CD-1 August 2016		1502d	01-Sep-15 A	01-Sep-21	0d	01-Sep-15	01-Sep-21																											
1608_CFR_WK.M Milestones		1472d	01-Sep-15 A	21-Jul-21	0d	01-Sep-15	21-Jul-21																											
MS0000	CD-0 Approve Mission Need	0d	01-Sep-15 A			01-Sep-15																												
MS1000	CD-1 Approve Alternative Selection & Cost Range	0d		30-Sep-16	322d		30-Sep-16																											
MS1050	Award A/E Design Contract	0d		11-Dec-17	26d		11-Dec-17																											
MS1100	Award CM/GC Pre-Constructin Services - Phase 1	0d		31-Jan-18	166d		31-Jan-18																											
MS1150	Complete Preliminary Design (30% Document)	0d		30-Apr-18	48d		30-Apr-18																											
MS2000	CD-2/3A Approve Performance Balseline/Start Early Site Prep Activities	0d		31-May-18	146d		31-May-18																											
MS2300	Start Site Preparation Activities	0d	01-Jun-18		146d	01-Jun-18																												
MS2250	Complete Final Design (Bid Documents)	0d		31-Oct-18	19d		31-Oct-18																											
MS3000	CD-3 Approve Start of Construction	0d		30-Nov-18	0d		30-Nov-18																											
MS3050	Award CM/GC Construction Services - Phase 2	0d		03-Dec-18	0d		03-Dec-18																											
MS3100	Start Construction - Issue NTP	0d	03-Dec-18		0d	03-Dec-18																												
MS3150	Construction Substantially Complete	0d		29-May-20	287d		29-May-20																											
MS4000	CD-4 Approve Project Completeion	0d		21-Jul-21*	0d		21-Jul-21																											
1608_CFR_WK.A Critical Decisions		1502d	01-Sep-15 A	01-Sep-21	0d	01-Sep-15	01-Sep-21																											
1608_CFR_WK.A.01 CD-0		0d	01-Sep-15 A	01-Sep-15 A		01-Sep-15	01-Sep-15																											
CD0000	CD-0 Approval	0d	01-Sep-15 A			01-Sep-15																												
1608_CFR_WK.A.02 CD-1		556d	07-Oct-15 A	29-Dec-17	0d	07-Oct-15	29-Dec-17																											
1608_CFR_WK.A.02.1 Conceptual Design Report		193d	07-Oct-15 A	15-Jul-16 A		07-Oct-15	15-Jul-16																											
CD1000	Prepare CDR 30%	129d	07-Oct-15 A	14-Apr-16 A		07-Oct-15	14-Apr-16																											
CD1010	Review CDR 30%	11d	15-Apr-16 A	02-May-16 A		15-Apr-16	29-Apr-16																											
CD1020	Prepare CDR 60%	12d	02-May-16 A	18-May-16 A		02-May-16	17-May-16																											
CD1030	Review CDR 60%	8d	18-May-16 A	27-May-16 A		18-May-16	27-May-16																											
CD1040	Prepare 100% CDR	33d	31-May-16 A	15-Jul-16 A		31-May-16	15-Jul-16																											
CD1050	Issue Final CDR	0d		15-Jul-16 A			15-Jul-16																											
1608_CFR_WK.A.02.2 Life Cycle Cost Analysis		103d	22-Feb-16 A	15-Jul-16 A		22-Feb-16	15-Jul-16																											
CD1060	Prepare Draft LCCA - Alt. Analysis	45d	22-Feb-16 A	25-Apr-16 A		22-Feb-16	22-Apr-16																											
CD1070	Prepare Pre-final LCCA - Alt. Analysis	25d	25-Apr-16 A	27-May-16 A		25-Apr-16	27-May-16																											
CD1080	Prepare Final LCCA - Alt. Analysis	33d	31-May-16 A	15-Jul-16 A		31-May-16	15-Jul-16																											
1608_CFR_WK.A.02.3 Preliminary PEP		78d	28-Mar-16 A	15-Jul-16 A		28-Mar-16	15-Jul-16																											
CD1090	Prepare Draft PPEP	30d	28-Mar-16 A	06-May-16 A		28-Mar-16	06-May-16																											
CD1100	BHSO Review Draft PPEP	5d	23-May-16 A	31-May-16 A		23-May-16	27-May-16																											
CD1110	Revise Draft PPEP	5d	31-May-16 A	06-Jun-16 A		31-May-16	06-Jun-16																											
CD1120	Submit Draft PPEP to HQ	1d	07-Jun-16 A	07-Jun-16 A		07-Jun-16	07-Jun-16																											
CD1130	HQ Review Draft PPEP	15d	08-Jun-16 A	29-Jun-16 A		08-Jun-16	28-Jun-16																											
CD1140	Revised PPEP	12d	29-Jun-16 A	15-Jul-16 A		29-Jun-16	15-Jul-16																											
CD1150	Issue PreFIn PPEP	0d		15-Jul-16 A			15-Jul-16																											

Remaining Level of Effort

Remaining Work

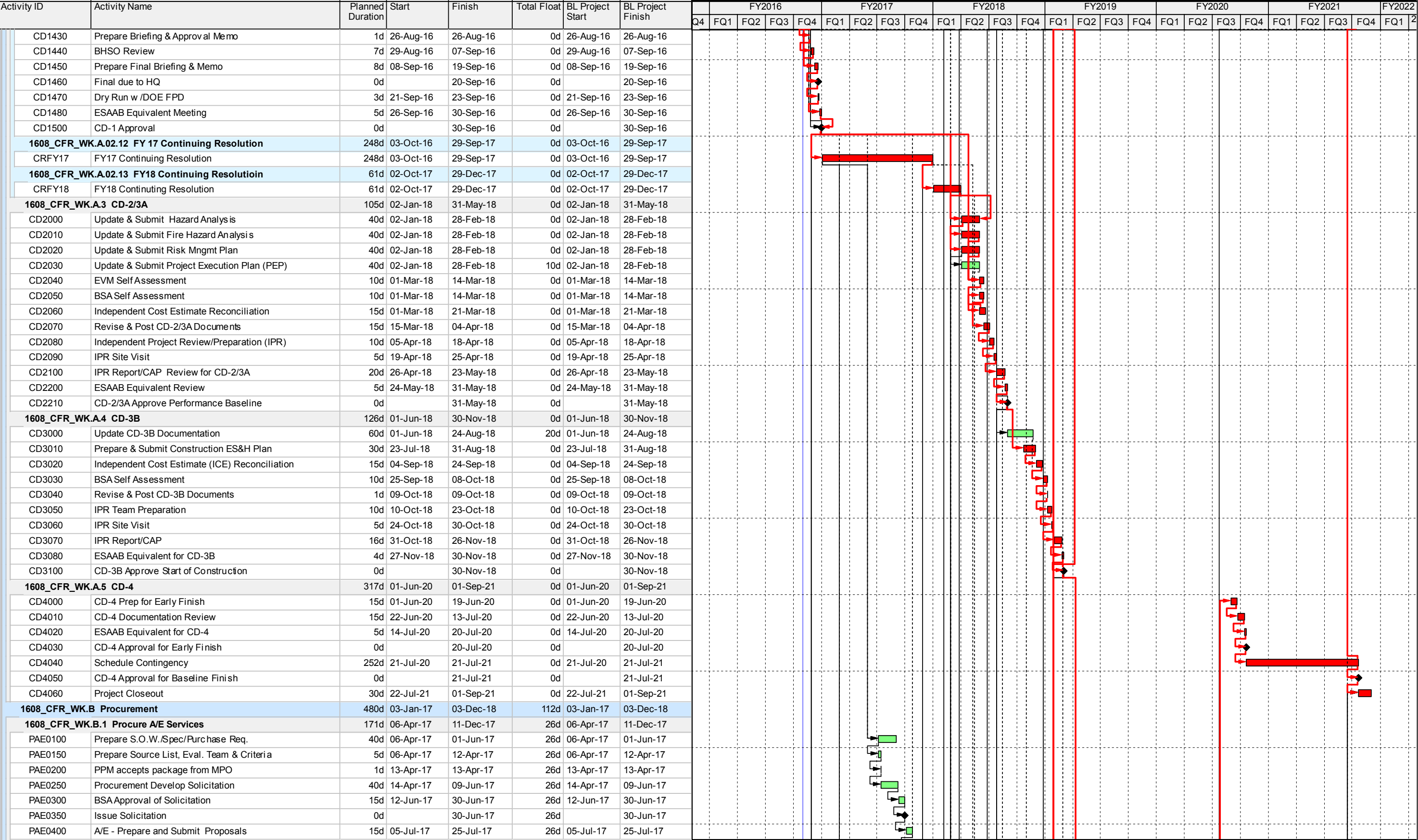
Actual Level of Effort

Critical Remaining Work

◆ ◆ Milestone



Activity ID	Activity Name	Planned Duration	Start	Finish	Total Float	BL Project Start	BL Project Finish		FY2016					FY2017				FY2018				FY2019				FY2020				FY2021				FY2022
								Q4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2
1608_CFR_WK.A.02.4 Acquisition Strategy		58d	15-Apr-16 A	07-Jul-16 A		15-Apr-16	07-Jul-16																											
CD1160	Prepare Draft AS	26d	15-Apr-16 A	23-May-16 A		15-Apr-16	20-May-16																											
CD1170	BHSO review Draft AS	5d	23-May-16 A	27-May-16 A		23-May-16	27-May-16																											
CD1180	Revise Draft AS	5d	31-May-16 A	06-Jun-16 A		31-May-16	06-Jun-16																											
CD1190	BSA Review AS	5d	07-Jun-16 A	13-Jun-16 A		07-Jun-16	13-Jun-16																											
CD1200	Submit Draft AS to HQ	1d	14-Jun-16 A	15-Jun-16 A		14-Jun-16	14-Jun-16																											
CD1210	HQ Review AS	10d	15-Jun-16 A	28-Jun-16 A		15-Jun-16	28-Jun-16																											
CD1220	Revise & Issue AS	5d	29-Jun-16 A	06-Jul-16 A		29-Jun-16	06-Jul-16																											
CD1230	AS Approved by SC-1	1d	07-Jul-16 A	07-Jul-16 A		07-Jul-16	07-Jul-16																											
1608_CFR_WK.A.02.5 NEPA Review & Determination		24d	09-May-16 A	13-Jun-16 A		09-May-16	10-Jun-16																											
CD1240	Review Period	19d	09-May-16 A	03-Jun-16 A		09-May-16	03-Jun-16																											
CD1250	Issue Determination	5d	06-Jun-16 A	13-Jun-16 A		06-Jun-16	10-Jun-16																											
1608_CFR_WK.A.02.6 Preliminary Hazard Analysis		57d	28-Mar-16 A	15-Jun-16 A		28-Mar-16	15-Jun-16																											
CD1260	Prepare Draft PHA	25d	28-Mar-16 A	29-Apr-16 A		28-Mar-16	29-Apr-16																											
CD1270	BHSO Review Draft PHA	10d	02-May-16 A	13-May-16 A		02-May-16	13-May-16																											
CD1280	Revise PHA	10d	16-May-16 A	31-May-16 A		16-May-16	27-May-16																											
CD1290	DOE Review PHA	9d	31-May-16 A	13-Jun-16 A		31-May-16	10-Jun-16																											
CD1300	Issue Pre Final PHA	3d	13-Jun-16 A	15-Jun-16 A		13-Jun-16	15-Jun-16																											
1608_CFR_WK.A.02.7 Preliminary Fire Hazard Analysis		56d	28-Mar-16 A	15-Jun-16 A		28-Mar-16	14-Jun-16																											
CD1310	Draft Prelim FHA	30d	28-Mar-16 A	09-May-16 A		28-Mar-16	06-May-16																											
CD1320	BHSO review Draft Prelim FHA	5d	09-May-16 A	16-May-16 A		09-May-16	13-May-16																											
CD1330	BNL revise Prelim FHA	5d	16-May-16 A	20-May-16 A		16-May-16	20-May-16																											
CD1340	DOE review Prelim FHA	14d	23-May-16 A	10-Jun-16 A		23-May-16	10-Jun-16																											
CD1350	Issue Preliminary FHA	2d	13-Jun-16 A	15-Jun-16 A		13-Jun-16	14-Jun-16																											
1608_CFR_WK.A.02.8 Preliminary Risk Management		43d	09-May-16 A	08-Jul-16 A		09-May-16	08-Jul-16																											
CD1360	Issue Preliminary Risk Management Plan	43d	09-May-16 A	08-Jul-16 A		09-May-16	08-Jul-16																											
CD1370	Prepare Preliminary Risk Management Plan	43d	09-May-16 A	08-Jul-16 A		09-May-16	08-Jul-16																											
1608_CFR_WK.A.02.9 Self Assessment		15d	18-Jul-16 A	05-Aug-16	0d	18-Jul-16	05-Aug-16																											
CD1380	Self Assessment	15d	18-Jul-16 A	05-Aug-16	0d	18-Jul-16	05-Aug-16																											
1608_CFR_WK.A.02.10 Independent Project Review		24d	08-Aug-16	09-Sep-16	10d	08-Aug-16	09-Sep-16																											
CD1390	POST CD-1 Documents	1d	08-Aug-16	08-Aug-16	0d	08-Aug-16	08-Aug-16																											
CD1400	IPR Team Review Documents	10d	09-Aug-16	22-Aug-16	0d	09-Aug-16	22-Aug-16																											
CD1410	IPR Review at BNL	3d	23-Aug-16	25-Aug-16	0d	23-Aug-16	25-Aug-16																											
CD1420	Corrective Action Implementation	10d	26-Aug-16	09-Sep-16	10d	26-Aug-16	09-Sep-16																											
1608_CFR_WK.A.02.11 CD-1 Approval Process		25d	26-Aug-16	30-Sep-16	0d	26-Aug-16	30-Sep-16																											



Remaining Level of Effort Remaining Work Milestone Milestone
Actual Level of Effort Critical Remaining Work



Activity ID	Activity Name	Planned Duration	Start	Finish	Total Float	BL Project Start	BL Project Finish	FY2016					FY2017				FY2018				FY2019				FY2020				FY2021				FY2022
								Q4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1
1608_CFR_WK.01.01 A/E Preliminary and Final Design		212d	02-Jan-18	31-Oct-18	19d	02-Jan-18	31-Oct-18																										
DES0030	Preliminary Design (0 - 30%)	83d	02-Jan-18	30-Apr-18	13d	02-Jan-18	30-Apr-18																										
DES0060	60% Design Complete	35d	01-May-18	19-Jun-18	13d	01-May-18	19-Jun-18																										
DES0090	90% Design Complete	55d	20-Jun-18	06-Sep-18	13d	20-Jun-18	06-Sep-18																										
DES0100	100% Design Complete	39d	07-Sep-18	31-Oct-18	19d	07-Sep-18	31-Oct-18																										
1608_CFR_WK.01.02 CMGC - Pre-Construction Services - Phase I		191d	02-Jan-18	02-Oct-18	40d	02-Jan-18	02-Oct-18																										
CMGC1000	CMGC - Pre-Construction Services	191d	02-Jan-18	02-Oct-18	40d	02-Jan-18	02-Oct-18																										
1608_CFR_WK.01.03 Comminssioning Services - Pre-Construction S		160d	22-Mar-18	05-Nov-18	288d	22-Mar-18	05-Nov-18																										
COMM1000	Comminssioning Services - Pre-Construction Services	160d	22-Mar-18	05-Nov-18	288d	22-Mar-18	05-Nov-18																										
1608_CFR_WK.01.04 Project Management - Pre-Construction Phase		231d	03-Oct-16	06-Sep-17	384d	03-Oct-16	06-Sep-17																										
PMPC1000	Project Management Pre Construction Phase	231d	03-Oct-16	06-Sep-17	384d	03-Oct-16	06-Sep-17																										
1608_CFR_WK.01.05 BNL/MPO Engineering Support - Pre-Construct		231d	03-Oct-16	06-Sep-17	448d	03-Oct-16	06-Sep-17																										
MPOPC1000	MPO Engineering Support - Pre-Construction Phase	231d	03-Oct-16	06-Sep-17	448d	03-Oct-16	06-Sep-17																										
1608_CFR_WK.02 Construction - Planning Packages		585d	01-Jun-18	30-Sep-20	201d	01-Jun-18	30-Sep-20																										
1608_CFR_WK.02.01 Site Prep/Long Lead Procurements		124d	01-Jun-18	28-Nov-18	2d	01-Jun-18	28-Nov-18																										
SP1000	Site Prep	124d	01-Jun-18	28-Nov-18	2d	01-Jun-18	28-Nov-18																										
1608_CFR_WK.02.02 Building Construction		373d	03-Dec-18	29-May-20	0d	03-Dec-18	29-May-20																										
CON0100	Mobilization	20d	03-Dec-18	02-Jan-19	0d	03-Dec-18	02-Jan-19																										
CON0200	Demolition	40d	03-Jan-19	01-Mar-19	0d	03-Jan-19	01-Mar-19																										
CON0300	Sitework	64d	04-Mar-19	31-May-19	216d	04-Mar-19	31-May-19																										
CON0400	Interior Rough-in	84d	01-Apr-19	30-Jul-19	0d	01-Apr-19	30-Jul-19																										
CON0500	M.E.P. Rough-in	149d	01-May-19	04-Dec-19	0d	01-May-19	04-Dec-19																										
CON0600	Exterior (Roof/Windows)	126d	01-May-19	29-Oct-19	112d	01-May-19	29-Oct-19																										
CON0700	Interior Finish	165d	31-Jul-19	27-Mar-20	11d	31-Jul-19	27-Mar-20																										
CON0800	M.E.P. Finish	89d	05-Dec-19	13-Apr-20	0d	05-Dec-19	13-Apr-20																										
CON0900	Punchlist	33d	14-Apr-20	29-May-20	0d	14-Apr-20	29-May-20																										
1608_CFR_WK.02.03 A/E Construction Administration Services		373d	03-Dec-18	29-May-20	287d	03-Dec-18	29-May-20																										
AE1000	A/E Construction Administration Services	373d	03-Dec-18	29-May-20	287d	03-Dec-18	29-May-20																										
1608_CFR_WK.02.04 Comminssioning - Construction Phase		388d	03-Dec-18	19-Jun-20	272d	03-Dec-18	19-Jun-20																										
COMM2000	Commissioning - Construction Phase	388d	03-Dec-18	19-Jun-20	272d	03-Dec-18	19-Jun-20																										
1608_CFR_WK.02.05 Project Management - Construction Phase		585d	01-Jun-18	30-Sep-20	201d	01-Jun-18	30-Sep-20																										
PMFY18	Project Management Support FY 18 (Site Prep)	84d	01-Jun-18	28-Sep-18	201d	01-Jun-18	28-Sep-18																										
PMFY19	Project Management Support FY19	249d	01-Oct-18	30-Sep-19	201d	01-Oct-18	30-Sep-19																										
PMFY20	Project Management Support FY 20	252d	01-Oct-19	30-Sep-20	201d	01-Oct-19	30-Sep-20																										
1608_CFR_WK.02.06 Project Support - Construction Phase		521d	01-Jun-18	30-Jun-20	265d	01-Jun-18	30-Jun-20																										
1608_CFR_WK.02.06.01 BNL/MPO Engineering Support Constructic		521d	01-Jun-18	30-Jun-20	265d	01-Jun-18	30-Jun-20																										
MPOFY18	MPO Engineering Support FY 18 (Site Prep)	84d	01-Jun-18	28-Sep-18	265d	01-Jun-18	28-Sep-18																										
MPOFY19	MPO Engineering Support FY 19	249d	01-Oct-18	30-Sep-19	265d	01-Oct-18	30-Sep-19																										
MPOFY20	MPO Engineering Support FY 20	188d	01-Oct-19	30-Jun-20	265d	01-Oct-19	30-Jun-20																										
1608_CFR_WK.02.06.02 BNL Field Support Construction Phase		521d	01-Jun-18	30-Jun-20	265d	01-Jun-18	30-Jun-20																										
FSFY18	Field Support FY 18 (Site Prep)	84d	01-Jun-18	28-Sep-18	265d	01-Jun-18	28-Sep-18																										
FSFY19	Field Support FY 19	249d	01-Oct-18	30-Sep-19	265d	01-Oct-18	30-Sep-19																										
FSFY20	Field Support FY 20	188d	01-Oct-19	30-Jun-20	265d	01-Oct-19	30-Jun-20																										
1608_CFR_WK.03 Other project Costs (OPC)		1160d	07-Oct-15 A	29-May-20	287d	07-Oct-15	29-May-20																										
1608_CFR_WK.03.01 Other Project Costs		1160d	07-Oct-15 A	29-May-20	287d	07-Oct-15	29-May-20																										
OPCCDR	Conceptual Design Report	179d	07-Oct-15 A	24-Jun-16 A		07-Oct-15	24-Jun-16																										
OPCCONT	Cost Contingency	499d	01-Jun-18	29-May-20	287d	01-Jun-18	29-May-20																										