Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08	MAR08	APR08
1.0.1 RR Upgrades																
	1.0.1.1 ANU RR Upgrades R&D															
		1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	11,096	9,649	8,684	0	0	0	0
		1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	6,333	5,507	4,956	0	0	0	0
		1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	1,950	13,002	11,702	0	0	0	0
		1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	3,438	6,217	6,217	6,217	4,776
		1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	253	1,687	1,518	0	0	0	0
		1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	2,382	2,609	2,155	2,727	2,371	2,134	0	0	0	0
		1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.9.1 MGS Mirror Magnets Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	2,431	4,051	3,646	0	0	0	0
		1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0

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3/4/2009	2/28/2009

Control Acc	CTC	WP		OCT08	NOV08	DEC08	JAN09	FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09
1.0.1 RR Upgrades																
	1.0.1.1 ANU RR Upgrades R&D															
		1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	8,883	9,771	9,771	8,883	9,771	2,221	0	0	0
		1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	9,192	10,111	5,975	0	0	0	0	0	0
		1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	11,726	12,899	7,622	0	0	0	0	0	0
		1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	3,074	3,382	615	0	0	0	0	0	0
		1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	8,439	25,316	25,316	13,897
		1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	20,485	25,305	2,410	0
		1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	19,560	21,516	21,516	19,560	21,516	3,912	0	0	0
		1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	17,032	4,258	0	0	0	0	0
		1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	6,051	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	6,431	8,904	4,452	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	57	1,137	1,137	512	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	2,247	4,085	3,880	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	2,120	46,639	4,240	0	0	0	0	0	0
		1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	3,836	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	4,124	3,240	0	0	0	0	0
		1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	3,446	4,923	2,708	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet	BCWS	0	0	0	0	4,351	10,637	10,637	3,384	0	0	0	0	0
		1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	1,310	13,751	1,372
		1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	41,356	45,492	16,542	0	0	0	0	0	0
		1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	1,137	4,548	0	0	0	0	0	0
		1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	2,164	3,091	927	0	0	0	0
		1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	2,274	3,411	0	0	0	0
		1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	3,317	4,561	415	0	0
		1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	16,860	9,761	0
		1.0.1.1.2.1.9.1 MGS Mirror Magnets Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	35,292	38,822	38,822	35,292	15,882	0	0	0	0
		1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		NOV09	DEC09	JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.0.1 RR Upgrades																
	1.0.1.1 ANU RR Upgrades R&D															
		1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.9.1 MGS Mirror Magnets Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	1,326	2,784	2,917	2,784	2,918	417
		1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	6,456	13,557	14,203	13,557	14,208	2,030
		1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	1,631	3,424	3,587	3,424	3,588	513
		1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	815	1,712	1,794	1,712	1,794	256
		1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	1,326	2,784	2,917	2,784	2,918	417
		1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	790	1,658	1,737	1,658	1,738	248
		1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	940	1,975	2,069	1,975	2,070	296
		1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	1,326	2,784	2,917	2,784	2,918	417
		1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	1,631	3,424	3,587	3,424	3,588	513
		1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	815	1,712	1,794	1,712	1,794	256
		1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	1,326	2,784	2,917	2,784	2,918	417
		1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	2,141	4,496	4,710	4,496	4,712	673
		1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	2,141	4,496	4,710	4,496	4,712	673
		1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	1,631	3,424	3,587	3,424	3,588	513
		1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	636	1,335	1,398	1,335	1,399	200
		1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	1,699	3,568	3,738	3,568	3,740	534

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11	Cumulative
1.0.1 RR Upgrades															
	1.0.1.1 ANU RR Upgrades R&D														
		1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	29,429
		1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	16,796
		1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0	49,298
		1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	25,277
		1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	32,247
		1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	26,654
		1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	7,071
		1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0	72,967
		1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0	48,200
		1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0	107,582
		1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0	21,291
		1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	26,866
		1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0	6,051
		1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0	19,787
		1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	2,843
		1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	10,212
		1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0	52,999
		1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	3,458
		1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	3,836
		1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0	7,365
		1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	11,078
		1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	29,009
		1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0	16,434
		1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	14,379
		1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	103,390
		1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0	5,685
		1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	6,182
		1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	5,685
		1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,292
		1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	26,621
		1.0.1.1.2.1.9.1 MGS Mirror Magnets Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	2,254	3,307	5,561
		1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	62,291	26,696	0	88,987
		1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0	164,109
		1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	10,128
		1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	13,145
		1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	64,011
		1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	16,167
		1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,084
		1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	13,145
		1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0	7,829
		1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0	9,324
		1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	13,145
		1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0	16,167
		1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,084
		1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0	13,145
		1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0	21,229
		1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0	21,229
		1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0	16,167
		1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0	6,301
		1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0	16,848

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08	MAR08	APR08
		1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	1,170	1,484	1,290	1,161	0	0	0	0
		1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	13,728	17,160	18,795	15,526	19,697	11,418	0	0	0	0	0
		1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	2,183	2,084	2,084	2,282	1,885	2,345	2,039	1,835	0	0	0	0
		1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	4,767	7,945	8,701	7,188	7,648	0	0	0	0	0	0
		1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	17,463	31,433	0	0	0	0
		1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	28	610	582	582	638	527	668	581	523	0	0	0	0
		1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	1,848	2,174	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	901	8,564	10,595	9,213	8,292	0	0	0	0
		1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	19,618	58,853	0	0	0	0
		1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	24,163	72,488	0	0	0	0
		1.0.1.2.2.1.5 MI Injection Bumper PFN Design	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	13,250	12,648	816	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	68	68	308	0	0	0	0
		1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	2,338	23,066	23,066	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	67	448	404	0	0	0	0
		1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	19	130	117	0	0	0	0
		1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	16,459	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	1,393	3,747	2,901	0	0	0	0	0	0	0	0	0
		1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	84,007	0	0	0	0	0	0	0	0	0
		1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	4,358	9,300	5,666	0	0	0	0	0	0
		1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		OCT08	NOV08	DEC08	JAN09	FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09
		1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	0	0	3,637	4,001	4,001	3,637	4,001	4,001	3,819	3,819	4,193
		1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	3,720	0	0	0	0
		1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	4,650	0	0	0	0	0	0
		1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	1,614	846
		1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.1.5 MI Injection Bumper PFN Design	BCWS	0	0	0	0	8,774	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	17,063	17,876	16,251	17,876	4,063	0	0	0
		1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	7,231	7,955	7,955	7,231	7,955	5,062	0	0	0
		1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	14,270	31,394	18,551	0	0	0	0	0	0
		1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	20,824	22,906	18,741	0	0	0	0	0	0
		1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	4,214	211	0	0	0	0	0	0	0
		1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	3,938
		1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	11,152	0
		1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	11,152	0
		1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	3,236	5,394	0	0	0	0	0
		1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	9,092
		1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	1,425	7,126	0	0	0	0	0
		1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	41,034	0	0	0	0	0	0	0	0
		1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	41,483	45,631	37,334	0	0	0	0	0	0
		1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	40,944	45,038	45,038	32,755	0	0	0	0	0
		1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	2,906	2,906	0	0	0	0	0

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		NOV09	DEC09	JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
		1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	3,261	6,848	7,175	6,848	7,177	1,025
		1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	1,319	2,770	2,902	2,770	2,903	415
		1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	1,631	3,424	3,587	3,424	3,588	513
		1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	3,621	3,812	3,621	3,812	4,384	4,193	3,240	0	0	0	0	0	0
		1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	3,723	14,892	0	0	0	0	0
		1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.1.5 MI Injection Bumper PFN Design	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	467	549	137	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	1,266	7,278	6,961	6,328	6,961	2,215	0	0	0	0
		1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	27,599	31,542	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	8,133	15,452	16,265	4,880	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	18,473	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	6,563	0	0	0	0	0	0	0	0
		1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	28,996	32,218	3,222	0	0	0	0	0
		1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11	Cumulative
		1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0	32,335
		1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0	13,078
		1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0	16,167
		1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	61,792
		1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	3,720
		1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	4,650
		1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	18,615
		1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	45,808	0	0	0	0	0	0	0	0	0	45,808
		1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	2,460
		1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0	5,104
		1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0	96,324
		1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0	16,737
		1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0	36,249
		1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0	48,896
		1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0	4,739
		1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0	4,022
		1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0	37,565
		1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0	78,470
		1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0	96,651
		1.0.1.2.2.1.5 MI Injection Bumper PFN Design	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,774
		1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0	26,715
		1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0	444
		1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0	73,128
		1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0	43,389
		1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	64,215
		1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0	62,471
		1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	0	0	1,153
		1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	31,010
		1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0	4,425
		1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0	48,470
		1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0	919
		1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	59,140
		1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	266
		1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0	3,938
		1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	11,152
		1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0	11,152
		1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0	16,459
		1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,630
		1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0	44,729
		1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	18,473
		1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	9,092
		1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0	6,563
		1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,552
		1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,040
		1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0	84,007
		1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0	19,324
		1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0	41,034
		1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0	124,448
		1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0	163,775
		1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0	64,435
		1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0	5,813

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08	MAR08	APR08
		1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	6,561	7,290	7,984	6,595	7,827	0	0	0	0	0	0
		1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	4,664	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	28	40,898	67,182	150,080	48,442	52,910	80,875	122,698	211,492	6,217	6,217	6,217	4,776
	1.0.1.2 ANU RR Upgrades Op															
		1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		OCT08	NOV08	DEC08	JAN09	FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09
		1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	11,185	11,185	10,676	10,676	11,512
		1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	2,086	15,294	10,428	0	0	0
		1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	25,958	77,874	44,499	0
		1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	25,933	36,306	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	1,514	8,324	5,297	0	0	0	0	0	0
		1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	11,969	29,923	17,954	0	0	0	0
		1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0	30,910	75,583
		1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	5,415	2,707	0	0	0	0	0	0
		1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	0	11,152	0	0	0	0	0	0
		1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	52,547	0	0	0	0	0	0	0	0
		1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	18,773	20,651	20,651	15,019	0	0	0	0	0
		1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	8,929	8,079	0	0	0	0	0	0
		1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	7,937	34,925	33,337	33,337	17,893
		1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	4,375	4,375	0	0	0	0	0	0	0
		1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0	164,446	0
		1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	1,259	6,294	5,035	0	0	0	0
		1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	35,372	47,163	0	0
		1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	19,527	45,563	22,738
		1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	5,090	5,090	0	0	0	0	0	0	0
		1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	1,594	17,531	12,750	0	0	0	0	0
		1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	904	994	994	723	0	0	0	0	0
		1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	1,648	1,491	0	0	0	0	0	0
		1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	1,318	8,789	9,668	9,668	5,713	0	0
		1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	36,370
		1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	7,597
		1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	13,125
		1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	2,625
		1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	29,756
		1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	7,886	0	0	0	0	0
		1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	1,860	0	0	0	0	0
		1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	1,860	0	0	0	0	0	0	0
		1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	4,058	0	0	0	0	0	0	0	0
		1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	4,650	233	0	0	0	0	0	0	0
		1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	2,093	0	0
	CTC[21] Totals:		BCWS	12,482	12,797	11,282	10,145	442,909	470,022	387,771	240,613	155,448	180,278	269,407	408,407	250,537
	1.0.1.2 ANU RR Upgrades Op															
		1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		NOV09	DEC09	JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
		1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	1,047	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	43,995	51,758	7,764	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	38,874	48,593	55,882	9,719	0	0	0	0	0	0	0
		1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	2,625	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	51,396	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	103,150	64,252	93,447	101,477	97,458	49,869	45,509	57,914	71,178	72,247	68,963	72,270	10,324
	1.0.1.2 ANU RR Upgrades Op															
		1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11	Cumulative
		1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	56,281
		1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0	27,807
		1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0	148,331
		1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0	62,238
		1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0	15,135
		1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	59,846
		1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0	103,517
		1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0	106,492
		1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,122
		1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0	11,152
		1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0	153,068
		1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	2,474	0	0	0	0	0	0	0	0	2,474
		1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0	52,547
		1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0	36,257
		1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0	75,093
		1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0	17,009
		1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0	127,429
		1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,750
		1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0	164,446
		1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0	12,588
		1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0	82,535
		1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0	87,828
		1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0	10,180
		1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	31,874
		1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	3,616
		1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0	3,139
		1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0	35,155
		1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	36,370
		1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0	7,597
		1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0	15,750
		1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0	2,625
		1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0	81,152
		1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0	7,886
		1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	1,860
		1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	1,860
		1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	4,058
		1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0	4,664
		1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0	4,883
		1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0	2,093
	CTC[21] Totals:		BCWS	0	45,808	2,474	0	0	0	0	0	62,291	28,950	3,307	4,701,017
	1.0.1.2 ANU RR Upgrades Op														
		1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	1,891	0	0	1,891
		1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	27,292	0	0	27,292
		1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	15,322	6,567	0	21,889
		1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	53,287	37,164	90,451
		1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	8,891	0	0	8,891
		1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	18,881	0	0	18,881
		1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	47,284	11,821	0	59,105
		1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	8,891	0	0	8,891
		1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	18,881	0	0	18,881

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08	MAR08	APR08
		1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	527	1,420	0	0	0	0	0
		1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	3,632	5,028	0	0	0	0
		1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	2,695	3,368	2,928	2,636	0	0	0	0
		1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	0	0	0	0	0	2,695	3,895	7,980	7,664	0	0	0	0
Control Acct[10] Totals:			BCWS	28	40,898	67,182	150,080	48,442	55,605	84,769	130,678	219,156	6,217	6,217	6,217	4,776
Grand Totals:																
			BCWS	28	40,898	67,182	150,080	48,442	55,605	84,769	130,678	219,156	6,217	6,217	6,217	4,776

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		OCT08	NOV08	DEC08	JAN09	FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09
		1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	1,985	298	0	0	0	0	0	0	0
		1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	8,919	9,811	9,811	446	0	0	0	0	0
		1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0	47,102	21,067
		1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	3,243	3,568	1,297	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	0	0	0	0	14,147	13,677	11,109	446	0	0	0	47,102	21,067
Control Acct[10] Totals:			BCWS	12,482	12,797	11,282	10,145	457,056	483,699	398,879	241,059	155,448	180,278	269,407	455,509	271,604
Grand Totals:																
			BCWS	12,482	12,797	11,282	10,145	457,056	483,699	398,879	241,059	155,448	180,278	269,407	455,509	271,604

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		NOV09	DEC09	JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
		1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CTC[21] Totals:		BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0
Control Acct[10] Totals:			BCWS	103,150	64,252	93,447	101,477	97,458	49,869	45,509	57,914	71,178	72,247	68,963	72,270	10,324
Grand Totals:																
			BCWS	103,150	64,252	93,447	101,477	97,458	49,869	45,509	57,914	71,178	72,247	68,963	72,270	10,324

Program:	Description:
NOVA	NOvA Project
Run Date:	Status Date:
3/4/2009	2/28/2009

Control Acc	CTC	WP		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11	Cumulative
		1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	47,284	11,821	0	59,105
		1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0	1,947
		1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,660
		1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	2,282
		1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0	28,988
		1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0	68,169
		1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	8,652	25,957	25,957	27,193	14,832	0	0	0	102,591
		1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0	11,627
		1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0	0
		1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0	8,109
	CTC[21] Totals:		BCWS	0	0	0	8,652	25,957	25,957	27,193	14,832	194,617	83,495	37,164	547,649
Control Acct[10] Totals:			BCWS	0	45,808	2,474	8,652	25,957	25,957	27,193	14,832	256,907	112,445	40,471	5,248,666
Grand Totals:															
			BCWS	0	45,808	2,474	8,652	25,957	25,957	27,193	14,832	256,907	112,445	40,471	5,248,666