

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Budgeted Total Cost	Timeline											
							2023-10-01	2024-10-01	2025-10-01	2026-10-01	2027-10-01	2028-10-01						
Linac Intensity Upgrade Phase II (LIUP2) - Baseline 20220909																		
14.01 Project Management																		
14.02 RF Modifications																		
14.03 Quadrupole Power Supplies																		
PPM1293	Finalize Quad Power Supplies specifications	80	0%	02-Oct-23	30-Jan-24	\$18,535.02												
PPM1350	Develop Spec & SOW for Procurement - Misc. Materials & Control Cables	20	0%	31-Jan-24	28-Feb-24	\$3,198.00												
PPM1300	Develop SOW for Procurement - Quad Power Supplies (includes ac	40	0%	31-Jan-24	27-Mar-24	\$5,330.00												
PPM1360	Milestone: Start Procurement Process -PPM Pins Requisition	0	0%		28-Feb-24	\$0.00												
PPM1370	PPM - Procurement Effort - Misc. Materials & Control Cables	146	0%	29-Feb-24	24-Sep-24	\$0.00												
PPM1310	Milestone: Start Procurement Process -PPM Pins Requisition	0	0%		27-Mar-24	\$0.00												
PPM1320	PPM - Procurement Effort - Quad Power Supplies	140	0%	28-Mar-24	15-Oct-24	\$0.00												
PPM1380	OBLIGATION: Milestone: Contract Award / PO Issued to - Misc. Mat	1	0%	25-Sep-24	25-Sep-24	\$125,969.28												
PPM1330	OBLIGATION: Milestone: Contract Award / PO Issued to Quad Powe	1	0%	16-Oct-24	16-Oct-24	\$8,112,820.16												
LN_30300	Quad PS - Vendor Final Design approved	30	0%	17-Oct-24	02-Dec-24	\$0.00												
LN_30200	Vendor Commitment - Quad Power Supplies	1	0%	17-Oct-24	17-Oct-24	\$0.00												
LN_30000	Quadrupole PS Oversight - Management	799	0%	17-Oct-24	30-Dec-27	\$46,657.56												
LN_30350	Quad PS - 1st Article fabrication and assembly	60	0%	03-Dec-24	28-Feb-25	\$0.00												
LN_30400	Evaluate performance of Quad Power Supplies 1st Article	20	0%	03-Mar-25	28-Mar-25	\$0.00												
LN_30450	Milestone: Quad Power Supplies 1st Article accepted and approved	0	0%		28-Mar-25	\$0.00												
LN_31450	Procure Mod components - PLCs, Controllers, Panel Displays and E	40	0%	31-Mar-25	23-May-25	\$0.00												
LN_30250	Vendor Fabricate - Quad Power Supplies (151 +19 Spares)	471	0%	31-Mar-25	17-Feb-27	\$0.00												
LN_30500	Vendor - Quad PS manufacturing and testing - Batch #1 (~76 units)	220	0%	31-Mar-25	13-Feb-26	\$0.00												
LN_31400	Vendor Deliver Control cables & (Misc. materials)	40	0%	31-Mar-25	23-May-25	\$0.00												
LN_30750	Pre-Install new control cables between power supplies and PSI typ	20	0%	27-May-25	23-Jun-25	\$0.00												
LN_30800	Pre-Install new Ethernet cables between power supplies and PSI typ	20	0%	27-May-25	23-Jun-25	\$0.00												
LN_30550	Vendor Deliver / Receive Quad PS units Batch #1 (~76 units) and mc	96	0%	17-Feb-26	01-Jul-26	\$68,558.76												
LN_30950	Vendor - Quad PS manufacturing and testing - Batch #2 (~75 units +	200	0%	17-Feb-26	02-Dec-26	\$0.00												
LN_31650	** Remove and install new control cables for all Power Supplies magr	20	0%	02-Jul-26	30-Jul-26	\$0.00												
LN_30850	** Remove ACME Supplies and cables between ACME Supplies and	19	0%	02-Jul-26	29-Jul-26	\$4,311.87												
LN_30600	** Remove Batch #1 - old LINAC Power Supplies	20	0%	02-Jul-26	30-Jul-26	\$44,843.47												
LN_30850	** Commission and system test Quad PS units Batch #1 (~76 units)	100	0%	31-Jul-26	24-Dec-26	\$69,122.13												
LN_30700	Install in racks - Quad PS units Batch #1 (~76 units)	20	0%	31-Jul-26	27-Aug-26	\$121,810.38												
LN_31750	** Install 1 Siemens plc 1500 and 1 panel display per mod	60	0%	31-Jul-26	26-Oct-26	\$0.00												
LN_31800	** Install Ethernet cables between Siemens plc's 1500 and controllers	60	0%	31-Jul-26	26-Oct-26	\$0.00												
LN_31600	Redesign layout of racks	60	0%	31-Jul-26	26-Oct-26	\$8,704.23												
LN_31550	LOE Labor - Quad PS Controls and cable installation	60	0%	31-Jul-26	26-Oct-26	\$100,279.65												
LN_30220	Vendor Deliver - Quad Power Supplies Spares- (19 units) - Catalog &	51	0%	03-Dec-26	17-Feb-27	\$0.00												
LN_30900	Milestone: Quad PS units Batch #1 (~76 units) installed and tested	0	0%		24-Dec-26	\$0.00												
LN_30905	Batch #2 Pre-Planning Preparations	89	0%	28-Dec-26	04-May-27	\$0.00												
LN_31000	Vendor Deliver / Receive Quad PS units Batch #2 (~75 units) and mc	40	0%	05-May-27	30-Jun-27	\$49,536.95												
LN_31050	** Remove Batch #2 - old LINAC Power Supplies	20	0%	01-Jul-27	29-Jul-27	\$46,413.00												
LN_31100	**Remove ACME Supplies and cables between ACME Supplies and l	20	0%	01-Jul-27	29-Jul-27	\$4,462.79												
LN_31300	** Commission and system test Quad PS units Batch #2 (~75 units)	104	0%	30-Jul-27	30-Dec-27	\$49,619.02												
LN_31150	Install in racks - Quad PS units Batch #2 (~75 units)	20	0%	30-Jul-27	26-Aug-27	\$88,140.06												
LN_31200	** Install new control cables between power supplies and PSI type co	20	0%	30-Jul-27	26-Aug-27	\$0.00												
LN_31250	**Install new Ethernet cables between power supplies and PSI type c	20	0%	30-Jul-27	26-Aug-27	\$0.00												
LN_31350	Milestone: Quad PS units Batch #2 (~75 units) installed and tested	0	0%		30-Dec-27	\$0.00												
LN_31850	Milestone: All Quad Power Supplies installed and tested	0	0%		30-Dec-27	\$0.00												
14.04 Controls																		
14.05 Beam Instrumentation																		
(New WBS)																		

█ Remaining Level of Effort █ Primary Ba...
█ Actual Level of Effort █ Actual Work