



Accelerator Replanning Status

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NOvA PMG

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ANU Replan

- Address the schedule: make one that we will be able to stay on...and be proactive about changing it when we need to (like the GCK and shutdown effects this year)
- Resources associated with tasks
 - Names for engineers / scientists
 - Identify locations for
 - Contract help (technicians / engineering)
 - Staff help: are there positions we need to fill?
 - Not just NOvA but to support the full mix of effort
 - Have had contacts from universities (e.g., Mark Messier at IU, cyclotron facility engineering) and labs (Jim Grudzinski at ANL)



ANU Replan

- Keep a controlled spreadsheet with the assigned resources, allows us to adjust to changes in schedule/assignment/people
 - Scientist
 - AD EE, AD ME, RF Eng
 - TD EE, TD ME

1	WBS	Activity Description	Start	Finish	% Complete	Scientist	Name	AD EE	Name	RF Eng	Name	AD ME	Name	TD EE	Name	TD ME	Name
774	2.0.1.2.3.2	RR Ext/MI Injection Kicker System Procurement	26-Mar-09	31-Aug-11	5.48												
775	2.0.1.2.3.2.1	Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventory	17-Aug-09	17-Aug-09	0	No		Yes		No		Yes		No		No	
776	2.0.1.2.3.2.2	RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	18-Aug-09	13-Oct-09	0	Yes		Yes		No		Yes		No		Yes	
777	2.0.1.2.3.2.3	Prep Req & Award PO for All Magnet Ferrites for RR Extract/MI Inject Kickers	15-Nov-10	14-Jan-11	0	No		No		No		No		Yes		Yes	
778	2.0.1.2.3.2.4	Receive RR Extract/MI Inject Kicker Ferrites for 5 magnets	18-Jan-11	31-Aug-11	0	No		No		No		No		Yes		Yes	
779	2.0.1.2.3.2.5	RR Ext/MI Inject Kicker Prep Req & Award PO for All Other Parts for 5 Magnets	15-Nov-10	14-Jan-11	0	No		No		No		No		Yes		Yes	
780	2.0.1.2.3.2.6	RR Ext/MI Inject Kicker Receive All Other Parts for 5 Magnets	18-Jan-11	14-Feb-11	0	No		No		No		No		Yes		Yes	
781	2.0.1.2.3.2.7	RR Ext Kick Prep Req & Award PO for Parts & Fluorinert for Cooling Syst Skid C	26-Mar-09	7-Jul-09	80	No		No		No		Yes		No		No	
782	2.0.1.2.3.2.8	RR Ext Kicker Receive Parts & Fluorinert for Cooling System Skid C	8-Jun-09	7-Jan-10	70	No		No		No		Yes		No		No	
783	2.0.1.2.3.2.11	Prep Req & Award PO for Parts for MI Inject HV & Tail Bumper Pulsers	18-Jan-11	14-Mar-11	0	No		No		No		Yes		No		No	
784	2.0.1.2.3.2.12	Receive Parts for MI Inject HV & Tail Bumper Pulsers	15-Mar-11	9-May-11	0	No		No		No		Yes		No		No	
785	2.0.1.2.3.2.16	RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Beam Tubes	14-Oct-09	30-Aug-10	0	No		No		No		No		No		Yes	



ANU Replan

- 681 in progress or future tasks in the schedule, 572 with ‘named’ resources
 - Include several priorities (in this order)
 - Operations (Collider and NuMI)
 - NOvA
 - Other projects
 - Level resources
 - Assign names to tasks, then iterate on time allocation
 - Request some guidance



Guidance?

- How are we to balance project risk vs. operational risk vs future risk?
 - Same group of people making contributions to all 3 things
 - Have not developed enough experts to balance the 3 needs successfully in accord with DOE expectations (EVMS, Critical Decisions, etc)
 - 1st example: MINOS horns
 - Could speed up NOvA project target hall components work but slow down MINOS spares
 - ~\$1.5M and 2-3 calendar years (1.5 work years) to produce a horn
 - 2nd example: LBNE design work
 - Overlap in scientist and engineering requests
- Is listing of priorities appropriate?
 - Operations (Collider and NuMI)
 - NOvA
 - Other work
 - Operational: BNB, MTA, SY120, ...
 - PX, HINS, SCRF, LBNE, Mu2e, MuCool, ...

April 09

Roger at AD Dept Heads MTG

- 1) Operations
- 2) SCRF (NML)
- 2a) ANU (Nova)
- 3) LBNE (Dusel)
- 4) Project X
- 4a) HINS
- 5) Mu2e
- 6) MTA, AO

g-2, pbar charm

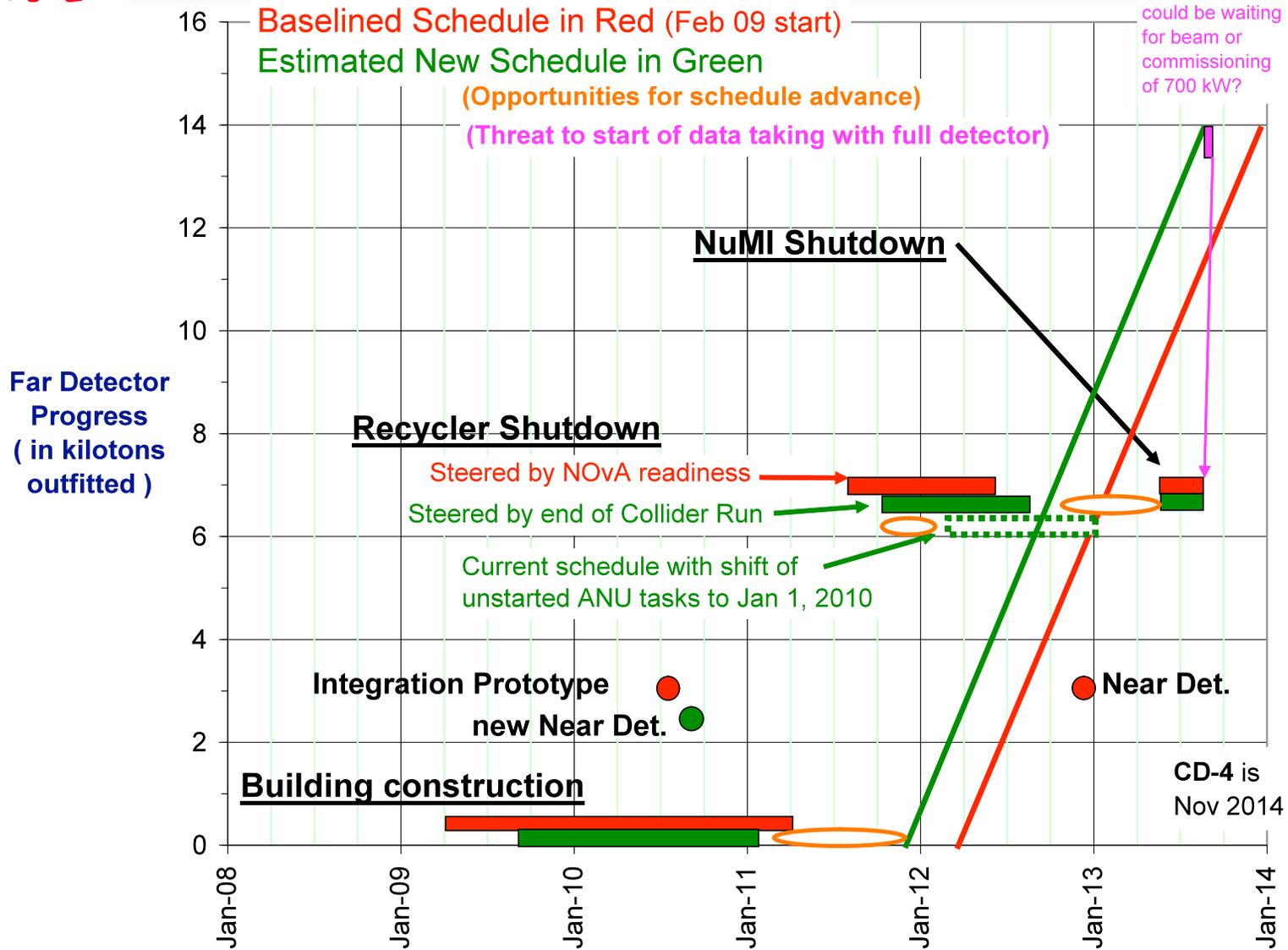


Guidance?

- Goals of replan?
 - What is the target shutdown date for the Accelerator Changeover (we are working with the date of Mar 2012 as the target with 3 months of float)?
 - What is the target shutdown date for the Target Changeover?
 - Does it overlap with the Accelerator Changeover? (note that this impacts the other experiments which run in the NuMI beamline, specifically Minerva, because it changes the neutrino energy spectrum)
 - Mar 2012 – Feb 2013 was my first guess to overlap shutdowns
 - Length ~11 months vs 10+3 months



Detector and Shutdown Schedule





Replan Schedule

- Assigning resources to tasks
 - Request from AD EE Support for FTE Tech to help with kicker controls
- Scrub schedule for logic and changes and availability
 - Feedback in various sections
 - TD on magnet work
 - Target and Carrier : Mike thinks possible to speed up
 - Kicker
- Mid September complete 1st pass and present at PMG