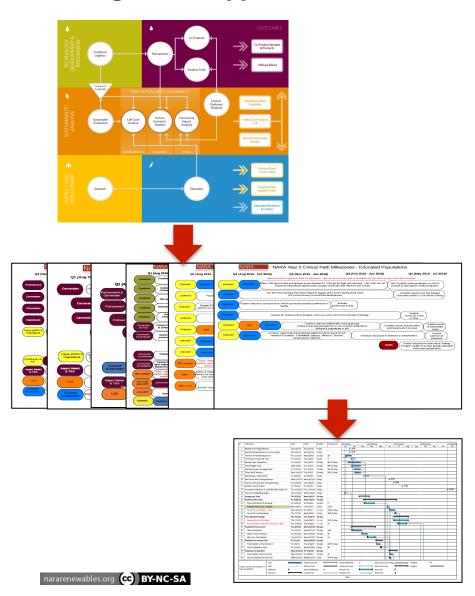


Phase & Gate Critical Path Milestone Management

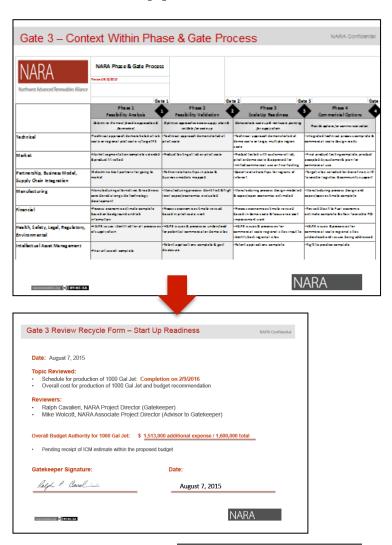
Linda A. Beltz, PhD, NPDP

Tools Keep Us on Track to the End State

Management Support Tools

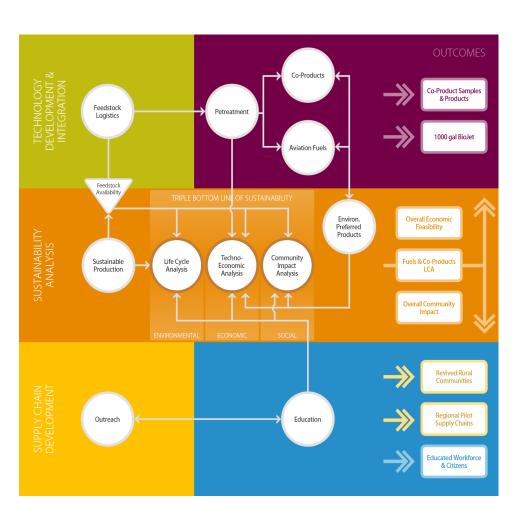


Decision Support Tools





Overall NARA Outcomes Defined





Commercially ready bio-refinery for SW to jet / co-products

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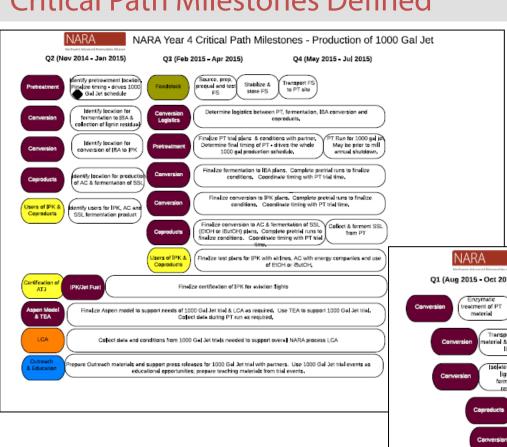
Communities that welcome & are able to support development

New engineers & scientists educated in the sustainable products arena

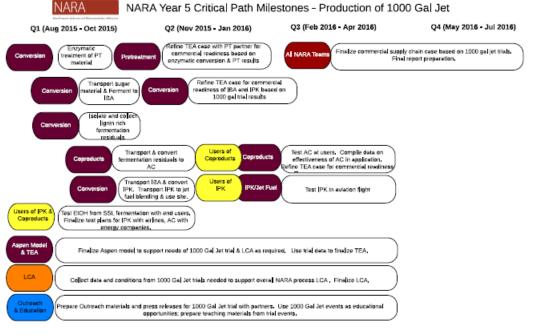




Critical Path Milestones Defined



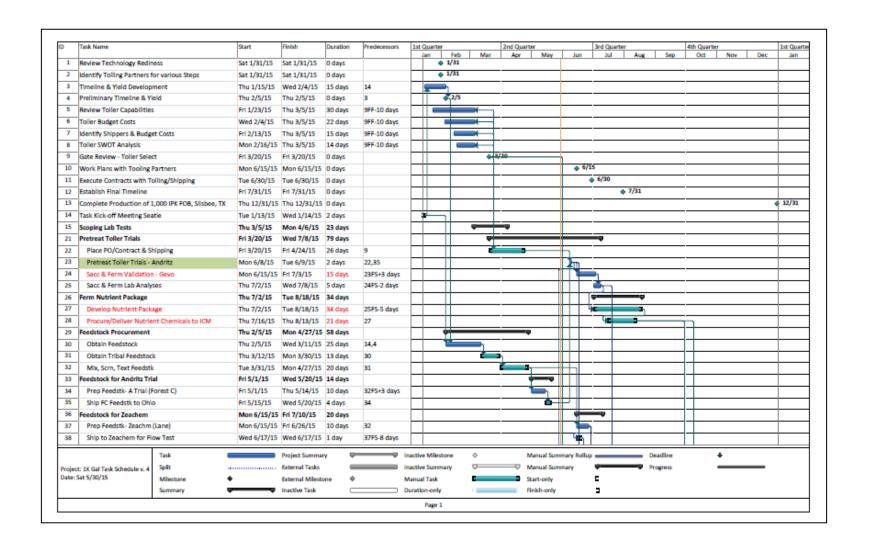
- By Year
- By NARA End State
- For Major Deliverables







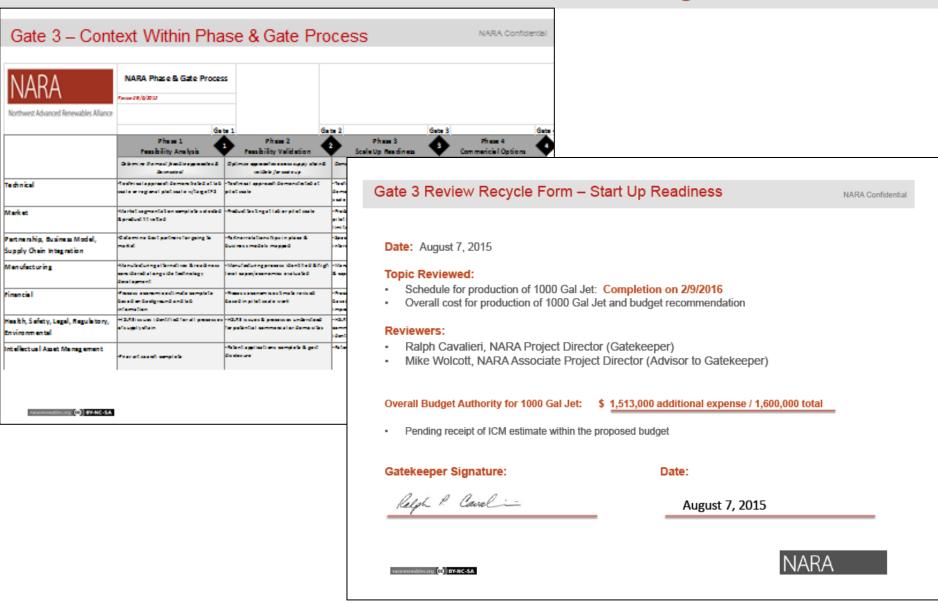
Gantt Charts Detail Tasks







Gate Reviews Provide For Robust, Fact-Based Decision Making







Phase & Gate Critical Path Milestone Management

- Using Management Support Tools make a difference:
 - •Map and provide coordination for complex projects, such as NARA
 - •Critical Path Milestones guide task planning toward overall NARA end state
 - Provides organization an creates focus
 - Guides cross-team coordination
- Decision Support Tools provide due diligence in decision making:
 - •Work together with Management Support Tools
 - •Gate reviews provide all the information for critical decisions
 - Decision documentation

Management Support Tools + Decision Support Tools = Effective Management



