





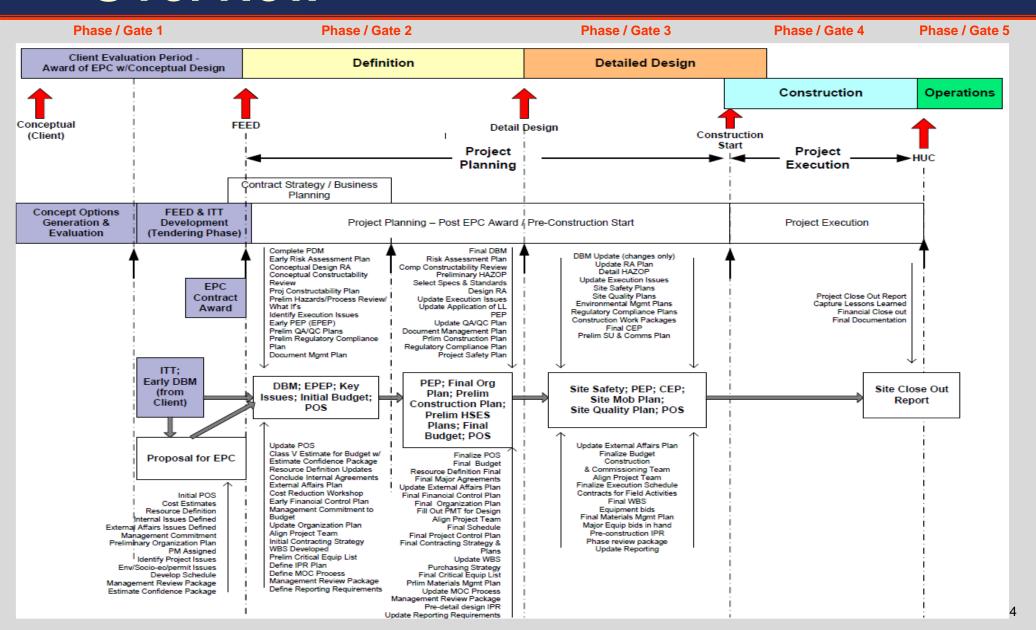
Transitions

- Overview
- Discipline Transitions
- Functional Transitions
- Project Phase/Gate Transitions
- Transition Pitfalls
- Wrap Up



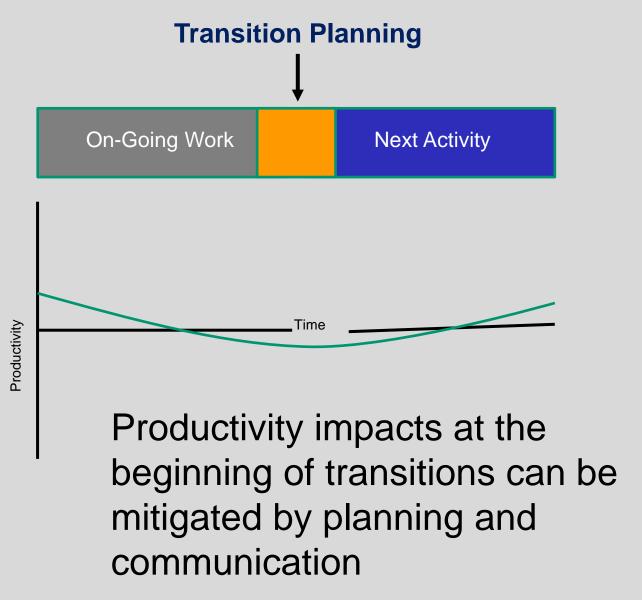
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Management provides leadership in balancing needs of the on-going work with planning the transition.





Steps Applicable to all Transitions:

- Key Staff Identified & Involved
- Logistics & Resources
- Transfer of Knowledge
- Scheduling Transition
- Identifying Key Issues & Risks

Transition Management Plan



Transition Management Plan

- Determine activities to mitigate issues & risks
- Structured approach to time the transition
- Manage ramp up (systems ready before needed)
- Address historical problem areas:
 - Cold eyes review (internal or by SME)
- Communicate the plan to those involved

..... Implement the Plan



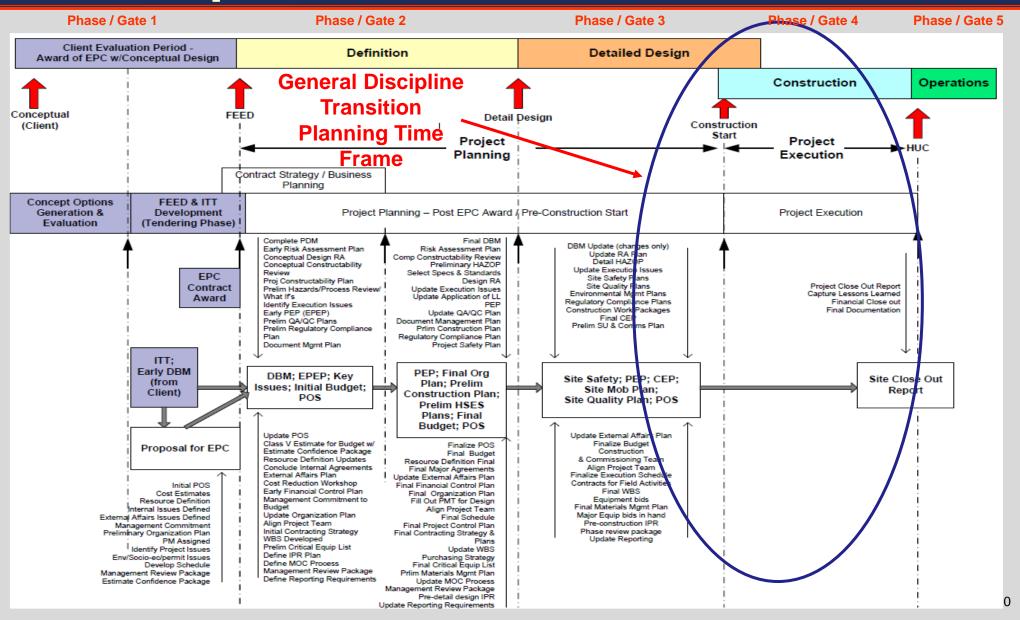
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Discipline Transitions:

- Below Ground to Above Ground
- Structural to Piping
- Pulling Cable to Terminations
- Foundations to Equipment Setting
- Hydrotest to Tie-Ins & Bolt-ups
- Completions to Load-out







Example of a Discipline Transition Risk Checklist

Transition Planning	Risk Areas	Timing
<u>Structural</u>		
- Prefabrication	 Dimension control & quality plans Welding procedures and qualifications 	 30 days prior to fabrication start 30 days prior to fabrication start
- Erection	Safety during lifts	 Lifting plans, JSA's & inspections complete 15 days prior to loadout
	Installation aids	 As near load-out as possible to minimize paint damage

Functional Transitions



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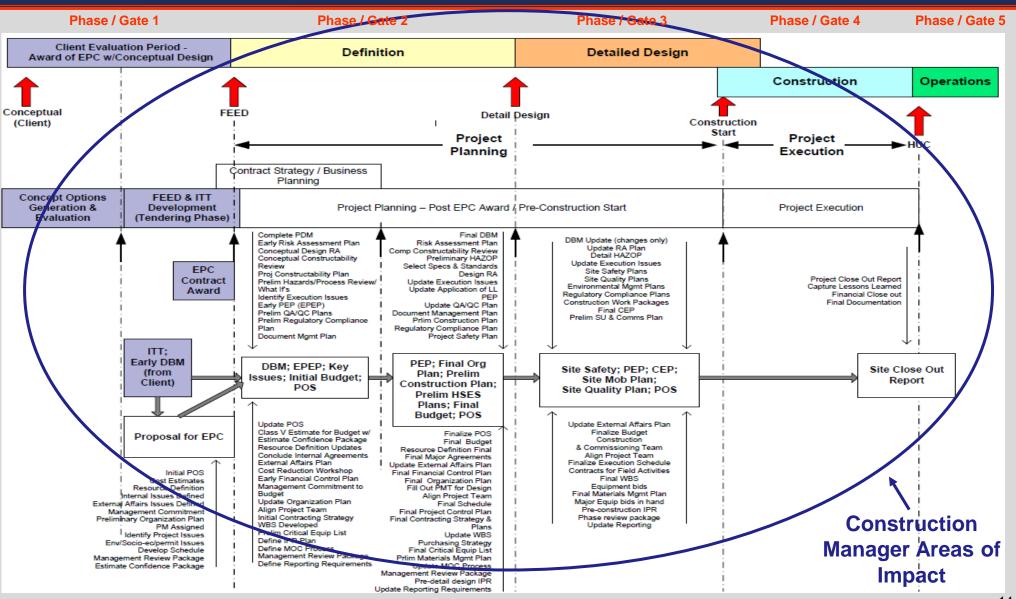


Concept through Operations:

- Quality
- Health & Safety
- Environmental
- Construction Input & Constructability
- Operations Input & Operability

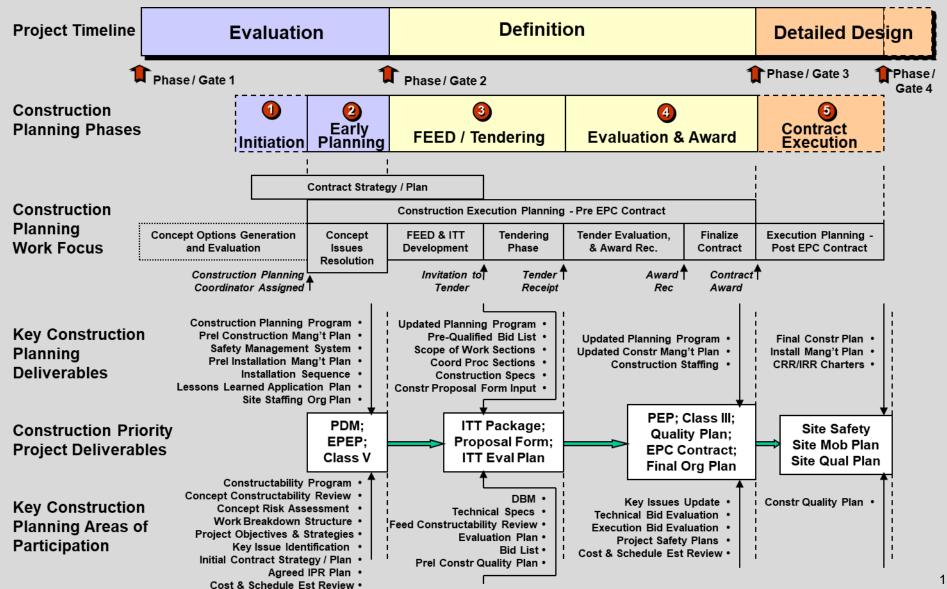
Functional Transitions





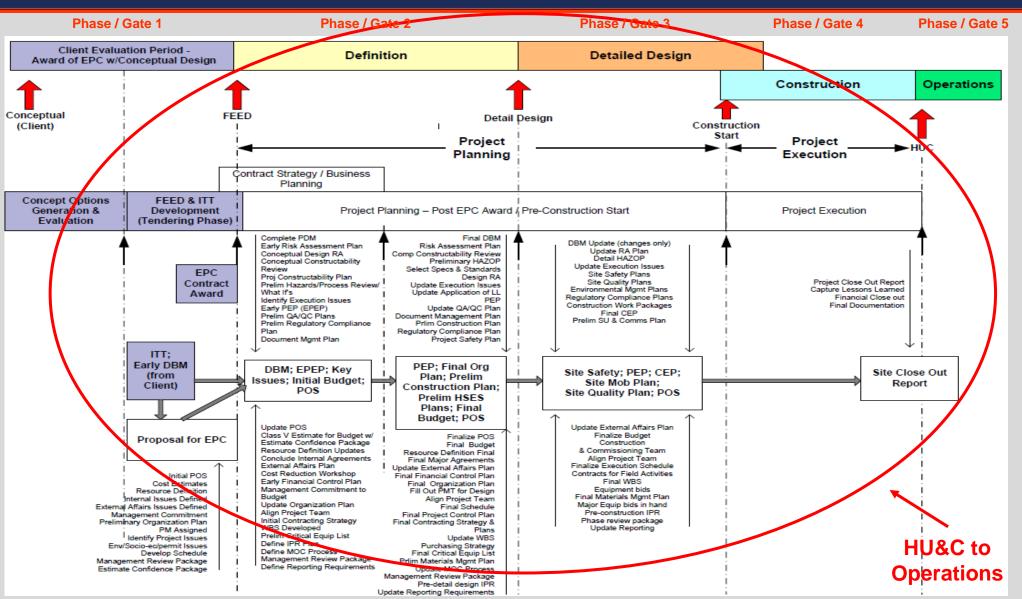
Construction - Input & Constructability





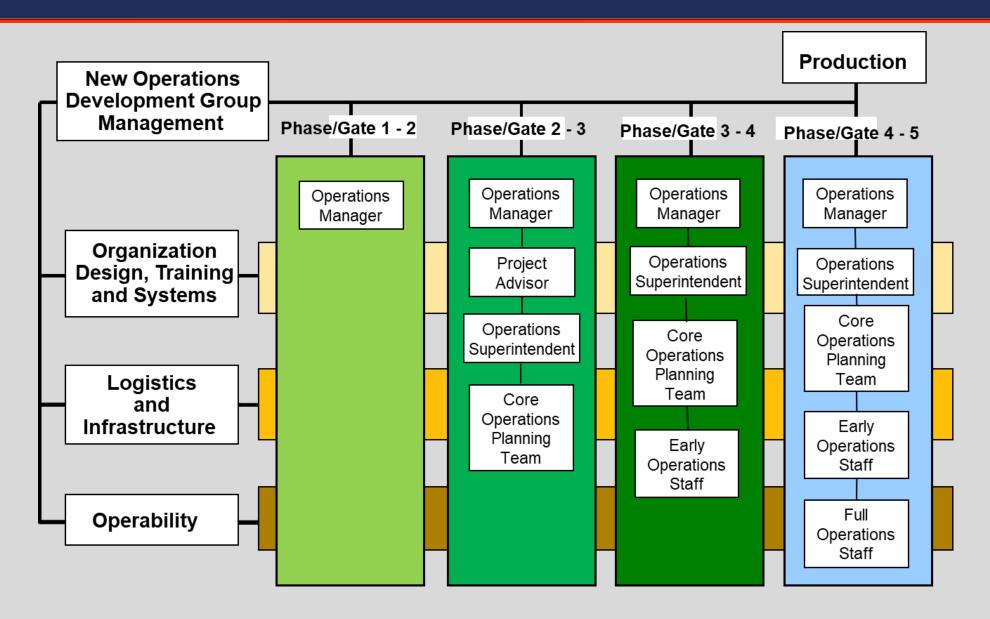
Operations - Input & Operability





Operations - Input & Operability





Project Phase/Gate Transitions Frontier



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Project Phase/Gate Transitions

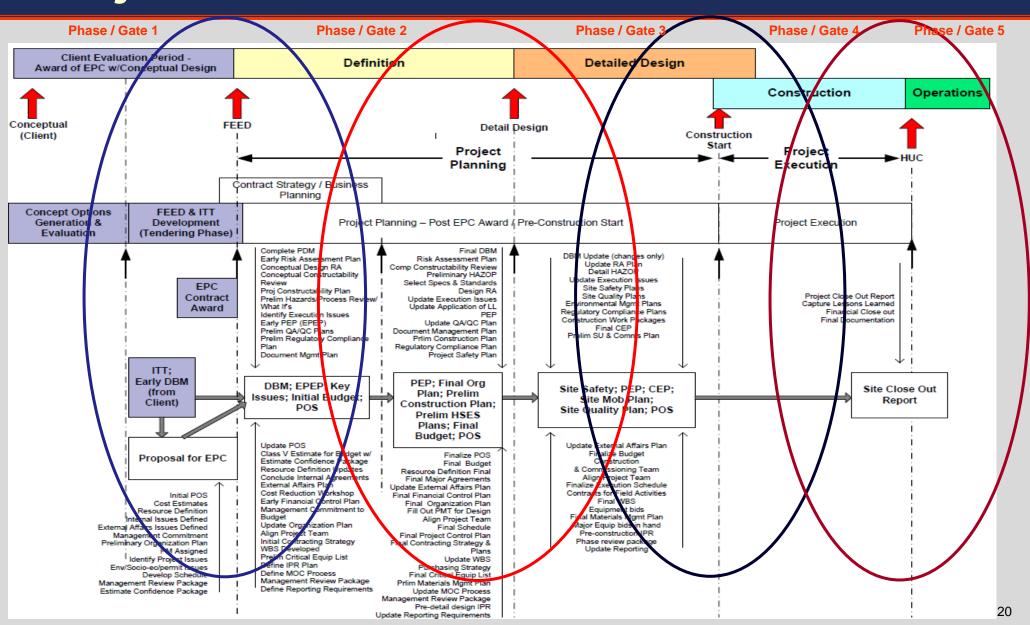


Project Phase Transitions:

- 1. Concept to Feasibility
- 2. Feasibility/FEED to Engineering
- 3. Engineering to Construction
- 4. Construction/HU&C to Operations
- 5. Operations

Project Phase/Gate Transitions Frontier







Structured Phase / Gate Approach:

- Objectives are Defined for each Phase / Gate
 - Deliverables are Defined for each Phase / Gate
- Go / No-Go Decisions Made
 - If Go, Move to the Next Phase / Gate
 - If No-Go, Additional Definition or Information is Needed



Phase / Gate 1 Primary Objective:

- Frame the opportunity
- Develop an Evaluation/Appraisal Plan
- Perform an economic assessment of alternatives reflecting the range of uncertainties and risks to establish the value proposition
- Develop an Execution Plan (scope, staffing, budget, and schedule) for Phase 2
- Decision to move into Phase / Gate 2



Phase / Gate 2 Primary Objective:

- Develop and evaluate a range of alternatives based on the endorsed project Frame
- Select the alternative that generates the highest value for the business (not always lowest cost)
- Develop Plan for Phase 3
- Decision to move into Phase / Gate 3



Phase / Gate 3 Primary Objective:

- Define project (scope, execution plans, drilling, production, commercial agreements, etc.)
- Develop CAPEX, OPEX, schedule, & production estimates
- Identify and quantify the full range of risks
- Economic analyses Develop AFE
- Plan for Phase 4
- Final Investment Decision (FID) for project Issue
 AFE Move to Phase / Gate 4



Phase / Gate 4 Primary Objective:

- Safely execute and deliver the project as described in the AFE and other FID commitments.
- Move to Phase / Gate 5



Phase / Gate 5 Primary Objective:

 Successfully start up and transition the completed project to Operations.

Transition Pitfalls



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Transition Pitfalls - Discipline

Pitfall	Potential Cause	Potential Results
 Progress / Pace of work not sustainable 	 Work started without sufficient design maturity Insufficient detail in plans Work site operating at or near capacity Failure to identify and disseminate lessons learned prior to transition 	 Contractor claims Repetition of past mistakes; repetition of the "learning curve" Re-work or budget over runs Schedule busts



Transition Pitfalls - Common

Pitfall	Potential Cause	Potential Results
 Timing of the transition can be disruptive - often conflicting priorities cause poorly timed transitions (too early or too late) 	 Insufficient planning prior to transition Lack of communication to affected work groups. Lack of readiness by the effected work groups (i.e. work processes between work groups not established) 	 Poor construction productivities Schedule slippage Errors and omissions Budget over runs



Transition Pitfalls - Common

Pitfall	Potential Cause	Potential Results
 Conflicting priorities between teams responsible for various phases (i.e. engineering and construction; construction and operations) 	 Interfaces and interface parties not well defined Inadequate communication Insufficient planning prior to transition Failure to team build 	 Disagreements over responsibilities for shared costs Disagreement over temporary use of permanent facility Failure to monitor operation and maintain permanent facility during temporary use Budget & schedule impacts

Transition Wrap Up



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Transition Wrap Up



Management of Transitions is Often Overlooked (Fighting Today's "Fire").....

Which Will Result in Exposure to Significant Disruptions From Poor Timing (Transitions Too Early or Late) – Schedule and/or Budget Impacts

While One Activity is Underway, Plan the Transition to the Next.

Transition Wrap Up



Prepare a Transition Plan:

- Identify Activities to Mitigate Impacts of Transitions
- Structured Approach to Time the Transition
- Get Organizations & Systems Ready Before Needed

Last Slide....!!!!



Questions and Answers