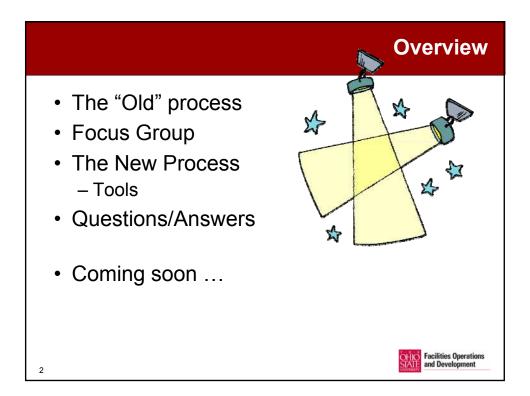
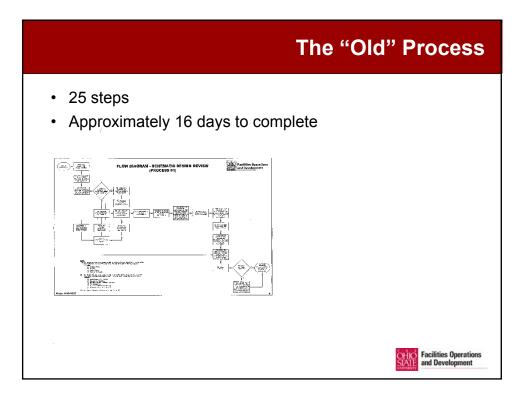


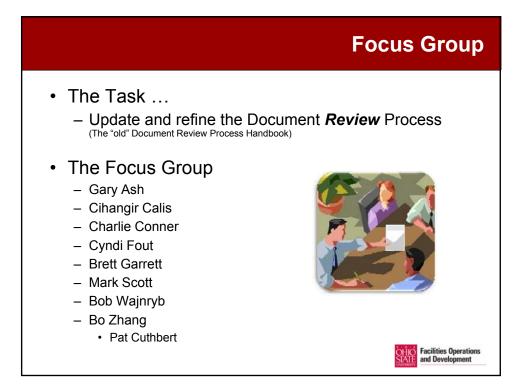
The New Document Review Process

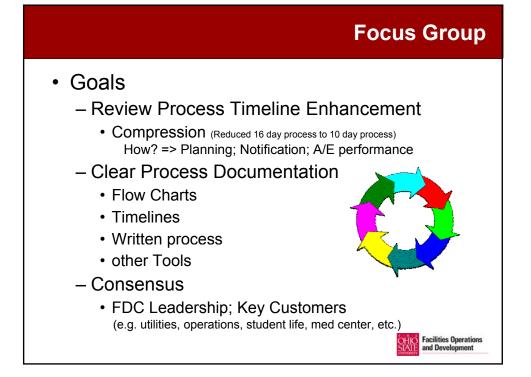
Brett Garrett

June 2010

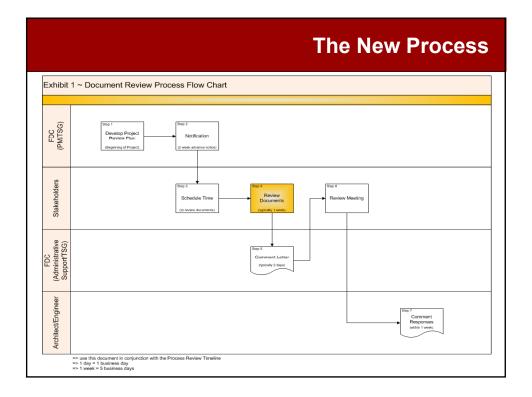


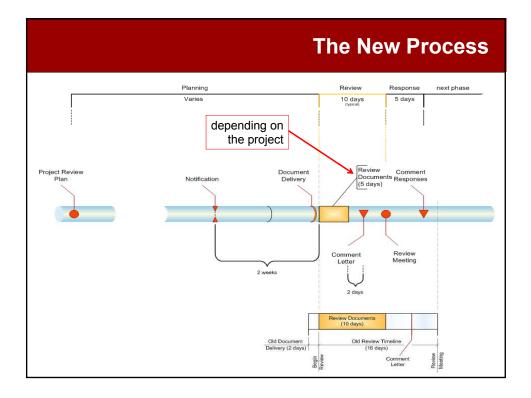






Key Concepts
 Why FDC does reviews: Ensure documents meet project needs Minimize field change costs Minimize operating costs Maximize project satisfaction Avoid "BIG" mistakes TSG supports Project Managers to deliver high quality, high impact, and timely projects Resource Advise PM is responsible for the project Authority to make decisions to keep things moving The "final" say Communicate decisions with TSG





<section-header> Fools Review Plan Submittal Expectations Roles and Responsibilities Small Project Review Familiar Tools Document Review Notification Document Distribution Memo Comment Review Letter

					The New Process
B C	D S D/DD S D/DD D	tudy (fi chemat chemat lesign I onstrue	0-80% draft) nal draft) ic Design ic Design/Desi Development etion Documen	ign Development ts	 Review Plan Identify project name, number, and budget
Scope Considerations					 Discuss with TSG Representative
Description	Yes	No	Comment		
Administrative Priority					 15 min conservation
Civil/Site		-			 Number/types of reviews
Code Intensive		-			 Scope Considerations
Electrical (below 600v) "Hard" completion date		-			
High Voltage (above 600v)		-			 Task duration
HVAC/Plumbing			+		Olar off
Laboratory					Sign-off
Other					
Special Systems					 Copy for PM and TSG
Structural					
Utilities					Representative
Project Review Plan					
Task	Time	frame/	Duration	Comment	 Provide with notification request
Project Review Plan*			process		
Notification			re delivery		
Schedule Time			ment delivery		
Document Delivery			efore review>		
Page Turn Orientation			eview period	If appropriate	 Changes to this plan need to be
Review Comment Letter		/min>	0		
	Comment Letter Review Meeting >				discussed with TSG Representative
A/E Comment Responses**			und>		
			e development of the	baseline schedule (after the A/E contract	 PM to communicate changes to all appropriate stakeholders
TSG Representative Date Project Manager Date - Onarges to Ho plan to be immediately communicated to all appropriate stakeholders - 1 any + 1 business day - 1 week = 5 business day					Facilities Operations and Development

			The New Process
Access to be approximately 90% complete with 6 design concepts design and 6 design concepts design and 6	Documents by approximatel (this complex) and the second se	Constraints Programmers Programmers Programmers Programmers Code information Code information Code information Programmers Programmer	 Meet with A/E to determine document delivery date To occur for each phase Line out items that don't apply "check" items that are required Use this form for each phase and file electronically If the A/E does not deliver a complete submittal, it could

	The New Process
 Reles and Responsibilities: Everyone Schedule time to complete review responsibilities by the time identified in the review notification Provide written comments by the comment due date (see eshale 9) Write professional comments Comments should be clear, concise, directive, and professional Administrative Support Issue project review notification upon Project Manager's (PM) request (see eshale 6) Track and distribute Facilities Design and Construction (FDC) review documents (imerfame provided by the Review Plan) Assemble review comments (imerfame provided by the Review Plan) Assemble review comments (imerfame provided by the Review Plan) Minimize duplicate comments Minimize duplicate comments Minimize duplicate comments Confirm that all items are distributed in accordance to the memo One parts the functionality of the design and that all components of the deliverables are properly complete for every phase submittal Clearly identify new, missing, or changed information Project Manager Develop Projecis Review Plan with the Technical Services Group (TSG) Representative (see eshale 14 a) Ensure all appropriate Stacholders have an opportunity for review and the documents deliverables are transmittal Ensure all appropriate Stacholders have an opportunity for review and Support with Minimized Stacholders have an opportunity for review and the documents deliverable state (S) Remine the construction documents properly address the scope of wirk. Ensure that the construction documents properly address the scope of work. Direct the A/E to follow and meet all applicable codes, BDS, and accepted architectural magnetic properly areador and the scopeding work. 	 Roles and Responsibilities Everyone Schedule time to perform the review Provide comments by the due date Project Managers Develop a Project Review Plan Besure all appropriate Stakeholders are included in the review Brsure the project scope aligns with the customer needs Stakeholders Review information that is relevant to their area of responsibility Ensure documents meet the defined scope of work Review for Constructability, Maintainability, etc. Review for Code/ BDS compliance

			The New Process
If the project is not as If a permittingspection If there is Project Man By Project Man By No formal review requ Catalenter of the project is shown If the project is shown If an Architect/Engine If a Architect/Engine If a project is a significant of the project is a significant If a project is a significant of the project is a significant If a project is a significant of the project is provided by the provided by the project is provided by the project is provided by the project is provided by the project is p	get is not over \$50,000 ignificant upgrade or does not is not required ager (PM) and Technical Servi irred; justification: null project review: on five (5 ³³) drawing sheets or is required to evelop docum aired ficant upgrade or needs to be e is required	need to be engineered ce Group representative (TSG) nents	 Small Project Review If the "standard" review process/plan does not apply due to project size and/or simplicity Identify project name, number, and budget Discuss with TSG Representative 15 min conservation Sign-off
Small Project Review Plan Task	Timeframe/Duration	Comment	 Copy for PM and TSG
Project Review Plan*	Early in the process	Comment	Representative
Notification-Schedule Time Review Documents- Review Meeting Comment Letter-A/E Comment Letter-A/E Comment Responses** * Plan to be developed with TSG Re- contact is souch before design bit * hettink pluse miteatore	2 weeks before review meeting <2 hours> 5 days presentative during the development or gina)	If the baseline schedule (after the A/E	 2 week meeting notification required Other process modifications provided with the tool
TSG Representative - Changes to this plan to be in - 1 day = 1 business day - 1 week = 5 business days	Date Project N mmediately communicated to all appro		Facilities Operations

The New Process
 Keys to Success: Plan Notification Ensuring the A/E provides complete submittals on the agreed upon dates/times
 When things don't go as planned: Talk with your TSG Representative Delays may occur Milestones may be adjusted
 Other items to note: A/E comment responses to be received within 5 days Design acceptance form to be issued with comment responses
Facilities Operations and Development



Coming Soon
 Back Check Process Goals: Clearly identify steps and roles Consensus
 Being considered: Plan At the end of the CD review meeting
LEED Training Session Identify PM responsibilities Facilities Operations and Development