



Project Commissioning Project and Lands Committee

12/8/2010

Commissioning Team Members

FAST Cross-Functional Team

- Lucine Dadrian - Team Leader / O&M
- Ruth Shochat - Team Advisor / O&M
- Juanita Addie - Team Advisor / Reg.
- Cherry James - SCADA Maintenance
- Francois Berger - SCADA Installation
- Greg Cantelo - Engineering
- John Mitnik - Project Management
- Mike Hiscock - Construction
- Northon Jocelyn - O&M
- Richard Champlin - Clewiston Field Station
- Sally Kennedy - Operations
- Steven Burns - IT
- Tom DeBold - WPB Field Station

Commissioning Problem Statement

- No standard process currently
- Verify and document all components of a capital project
- High level planning tool used by Project Manager

Why Do We Commission?

We commission a project to ensure the following are met:

- Define project performance requirements
- Establish and document commissioning process tasks
- Verify and document compliance
- Provide consistency of project performance across the District
- Better manage and mitigate project risks
- Lower overall costs for the project
- Verify that personnel are properly trained
- Deliver projects that meet the District's needs

Commissioning – Planning Phase

- Define project performance requirements
- Develop commissioning budget and scope
- Develop Commissioning Team and input roles into Project Management Plan
- Choose a Commissioning Authority

Commissioning – Engineering & Procurement Phase

Engineering - Establish Commissioning Plan

- Scope, Protocols and Communications
- Commissioning Process, including team responsibilities
- Testing and Inspection Plans
- Pre-Functional and Functional Test Procedures
- Construction Checklists and Issues Logs

Procurement

- Develop procurement strategy between project manager and procurement
- Strategy varies based on type and size of project

Commissioning – Construction Phase

Implementation of commissioning plan to commission individual components includes:

- Review submittals for performance parameters
- Update and utilize construction checklist
- Oversee functional performance testing
- Document and submit records
- Hold progress meetings

Commissioning – Construction Phase

Implementation of commissioning plan to commission total system includes:

- Perform testing and seasonal deferred testing
- Re-inspect and review contractor performance before end of warranty period
- Complete final commissioning report
- Conduct staff training
- Records / as-built / lessons learned submittals
- Final acceptance and satisfaction review

Commissioning Team Recommendations

Coordinate with Business Performance Management Office

- Incorporate commissioning guidelines into Project Management Methodology
- Add to Project Management Plan template to include commissioning evaluation criteria, budget and scope
- Additional training for tasks in SAP PS under Commissioning Work Breakdown Structure

Coordinate with Engineering

- Update existing commissioning specification
- Review District standards to include appropriate commissioning language

Commissioning FAST Team

Questions?