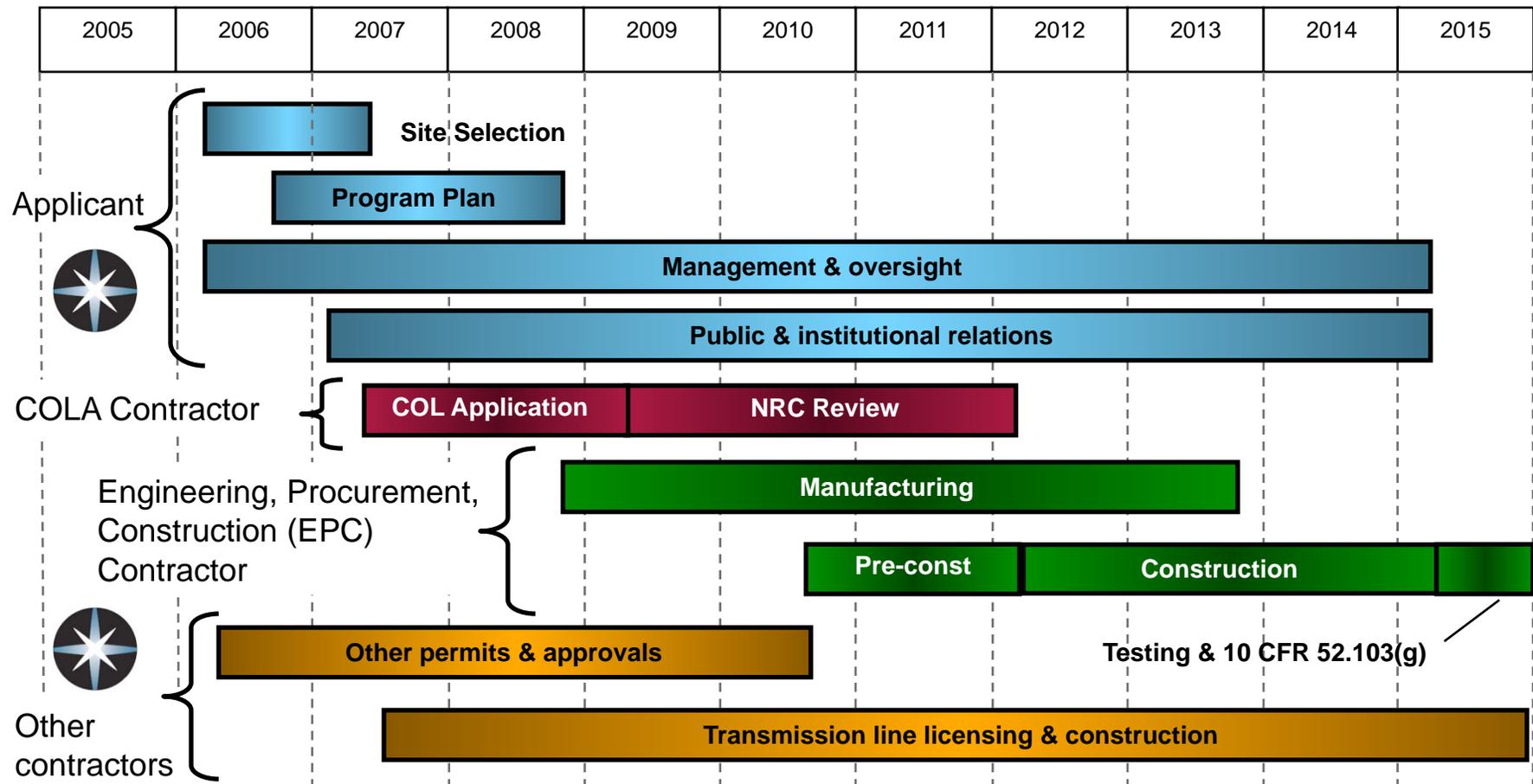


# Services



Management Support

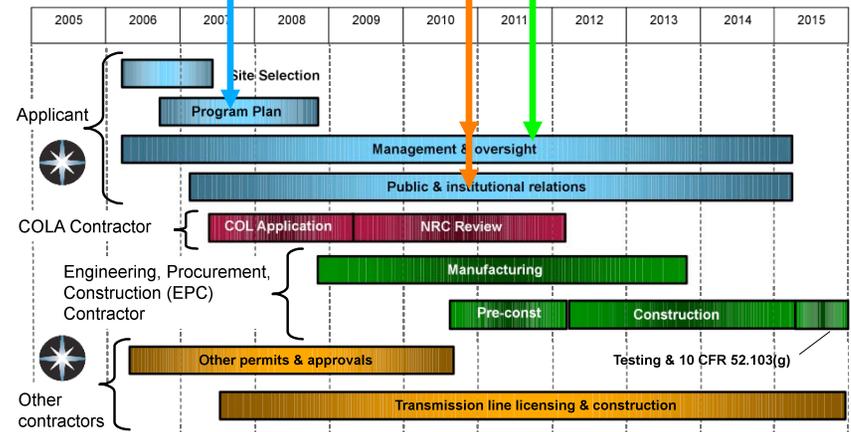
# Typical Roles in Project Deployment (nuclear power plant example)



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# Management Support

- Comprehensive plant deployment program planning
- Independent program assessments & surety
- General management support (e.g., regulator interface, contractor management, public relations)



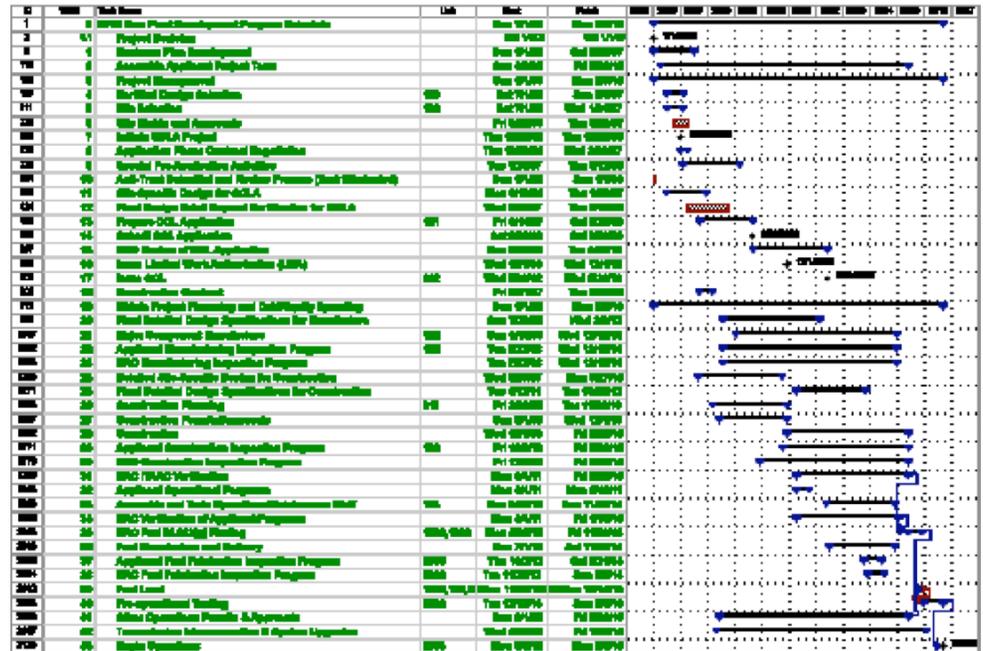
# Management Support

## Detailed planning for plant deployment

(from decision through to commercial operation)

Tailor to applicant business plans, regulatory structure and financial approach (Template: EPRI NPDPM<sup>©</sup>)

- Scope of the program plan includes:
  - Tasks, schedule and interrelationships
  - Applicant actions & decisions
  - Level of detail necessary for planning and managing activities



# EPRI NPDPM<sup>®</sup> Level 1 Tasks

## Tasks Level 1 Processes

- 1 Business Plan Development
- 2 Assemble Applicant Project Team
- 3 Project Management
- 4 Certified Design Selection
- 5 Site Selection
- 6 Site Rights and Approvals
- 7 Initiate COLA Project
- 8 Application Phase Contract Negotiation
- 9 Special Pre-Application Activities
- 10 Anti-Trust Submittal and Review Process (Repealed)
- 11 Site-Specific Design for COLA
- 12 Plant Design Detail Beyond Certification for COLA
- 13 Prepare COL Application
- 14 Submit COL Application
- 15 NRC Review of COL Application
- 16 Issue Limited Work Authorization (LWA)
- 17 Issue COL
- 18 Construction Contract
- 19 Obtain Project Financing
- 20 Plant Detailed Design Specifications for Manufacture
- 21 Major Component Manufacture
- 22 Applicant Manufacturing Inspection Program

## Tasks Level 1 Processes

- 23 NRC Manufacturing Inspection Program
- 24 Detailed Site-Specific Design for Construction
- 25 Plant Detailed Design Specifications for Construction
- 26 Construction Planning
- 27 Construction Permits/Approvals
- 28 Construction
- 29 Applicant Construction Inspection Program
- 30 NRC Construction Inspection Program
- 31 NRC ITAAC Verification
- 32 Applicant Operational Programs
- 33 Assemble and Train Operations/Maintenance Staff
- 34 NRC Verification of Applicant Programs
- 35 NRC Part 52.103(g) Finding
- 36 Fuel Manufacture and Delivery
- 37 Applicant Fuel Fabrication Inspection Program
- 38 NRC Fuel Fabrication Inspection Program
- 39 Fuel Load
- 40 Pre-operational Testing
- 41 Other Operations Permits & Approvals
- 42 Transmission Access
- 43 Begin Operations

# Applicant Activities, Actions and Decisions

## Example Decisions

- Business plan (e.g., regulated, merchant)
- Site selection
- Technology (vendor) selection
- Contracting strategy, scope and terms\*
- Contractor (e.g. COLA) selection
- Site layout and configuration
- Control room design
- Financing timing, method & scope

\* Depending on contracting strategy, applicant actions for outsourced scope will shift from direct responsibility to oversight and contract management.

## Example Actions

- Assemble project team (phased)
- Simulator & training
- Procure required contractors\*
- Public and institutional relations
- Liaison with regulatory authorities
- Public relations program
- Applicant inspection programs
- Transmission access
- Emergency planning liaison
- Construction & Operation Approvals

# Management Support

- General management support
  - Overall applicant program management
  - Contractor evaluation, selection & management
  - Regulator interface
  - Public relations

