

Agenda Item 13

Discussion of Conceptual Design & Feasibility Study Needs

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Gulf Consortium Meeting
April 6, 2017
Tallahassee

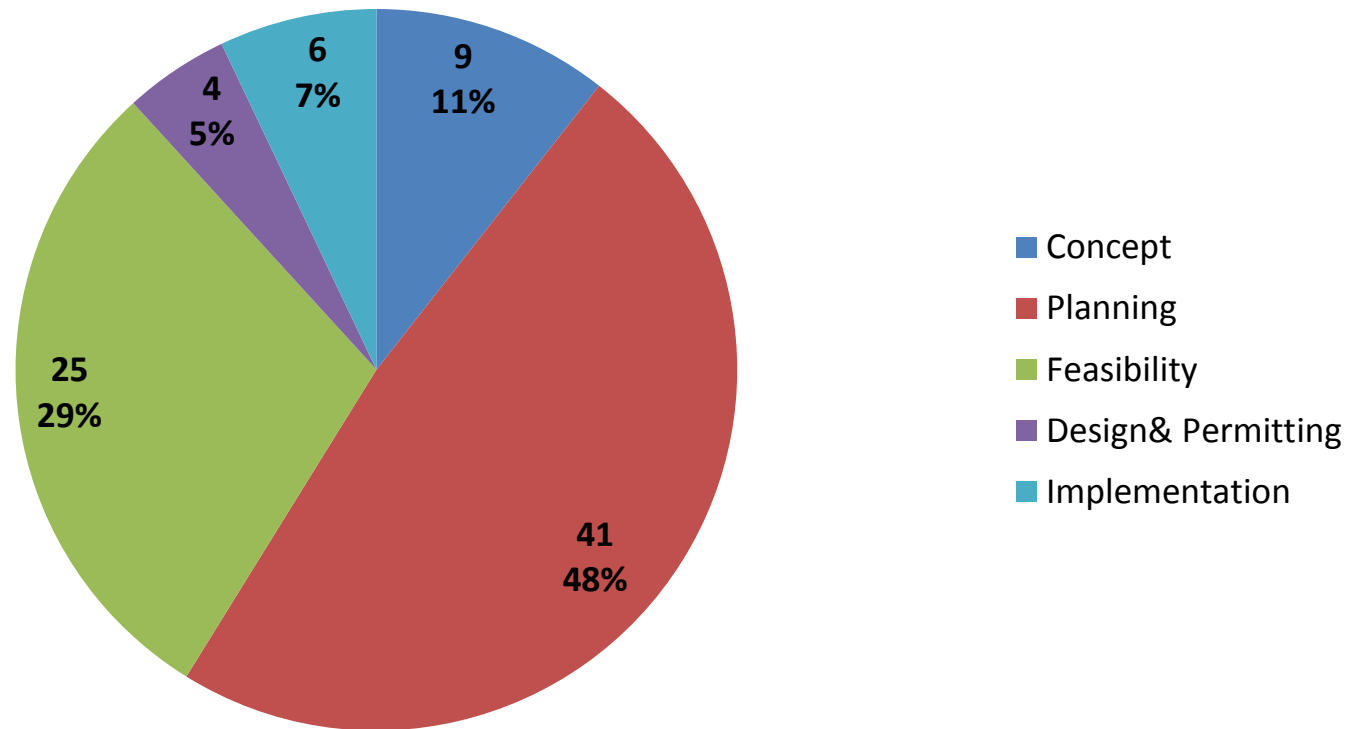


Conceptual Design & Feasibility Studies

- Council rules allow for planning grant funds to be used for Conceptual Design & Feasibility Studies (CD/FS)
- A majority of counties have expressed a desire to conduct conceptual design work concurrent with SEP development
- Current Planning Grant includes a \$1.5 million set-aside for Concept Design & Feasibility Studies
- Another \$5.3 million is available under Florida's SEP planning grant cap
- Restoration Council will require a separate procurement to access and use these funds



Project Stage of Development





Identified
CD/FS
Needs =
\$3,752,000

County	Project	Pot 3 CD/FS Request
Escambia	Bayou Chico Restoration - surveys, sediments samples, prelim dredge design & dewatering design	230,000
Santa Rosa	Santa Rosa Sound Water Quality Improvement Program - water quality monitoring	250,000
Okaloosa	Stormwater Retrofit Program - Gap Creek, Cinco Bayou, Lake Lorraine - preliminary design of separators	110,000
Okaloosa	Choctawhatchee Bay Estuary Program, Microbial tracking program	50,000
Okaloosa	Shoal River Headwaters Protection Program - preliminary design of dirt to pave roads and swales	80,000
Walton	US 331 Corridor Choctawhatchee Bay Area Sewer Expansion - preliminary design of forcemain	125,000
Walton	Freeport Septic to Sewer Conversion - preliminary design of lateral lines	125,000
Bay	North Bay Water Quality Program & Septic to Sewer Conversion - preliminary design lift stations and routes	100,000
Gulf	Public Access - Boat Ramps in St. Joe Bay, Chipola River and Dead Lakes - property assessments	20,000
Franklin	Apalachicola Oyster Resiliency Program - salinity & river flow modeling	100,000
Franklin	2 Mile Channel Dredging - survey & preliminary dredge template design	200,000
Jefferson	Wacissa River Headwaters Protection Plan - preliminary design of flows and lift stations	80,000
Jefferson	Wacissa Headwaters Park Masterplan - property assessment, amenities design	30,000
Jefferson	Goose Pasture Recreation Area - preliminary park design	30,000
Jefferson	County Mine Reclamation/Recreation Area - park masterplan	30,000
Jefferson	Pinhook River Coastal Access - agency coordination for MOU, amenities	25,000
Jefferson	Dam Restoration and Portage Structure - dam preliminary design, aquatic vegetation survey	25,000
Taylor	Public Access - Land Acquisition, Boat Ramps - parking plan, property assessment	100,000
Taylor	Public Access - Dredging - bathy surveys, sediment samples	100,000
Dixie	Canal Dredging Program/Horseshoe Beach Commercial Dock - bathy surveys, dock design	90,000
Dixie	Shired Island Beach Restoration/Living Shoreline - preliminary design amenities	60,000
Dixie	Regional Oyster Restoration - bathy, salinity & historic bar mapping	30,000
Dixie	Coastal Access Program - park amenities, footbridge design	60,000
Dixie	Septic to Sewer Conversion/Expansion Program - forcemain, lateral lines and lift station locations	60,000
Levy	Septic to Sewer Conversion - WWTF design, forcemain, lift station locations	200,000
Levy	Oyster Restoration Program - bathy, salinity, historical bar mapping	50,000
Citrus	NW Quadrant Septic Forcemain (US 19 Forcemain/ReUse line to Duke) - forcemain preliminary design	240,000
Hernando	Marine & Coastal Habitat Enhancement Program - Regional Artificial Reef Project - bathy survey & sediment sampling	35,000
Hernando	Marine & Coastal Habitat Enhancement Program - Oyster Reef & Living Shorelines Project - survey and prelim design	10,000
Hernando	Waterway/Gulf Access Program - Improve & Expand Coastal Access - park amenity design	120,000
Hernando	Waterway/Gulf Access Program - Paddling Trails - trail placard design/layout	5,000
Hernando	Waterway/Gulf Access Program - Channel Improvements - bathy survey	40,000
Hernando	Hernando Water Quality Improvement Program - BMP Implementation - determine BMP sites	22,000
Pasco	Regional Artificial Reef Program - bathy survey & sediment samples	30,000
Pasco	Crews Lake Restoration - preliminary pipeline design	30,000
Pasco	Regional Stormwater Improvements - detention pond location & design, separator locations	100,000
Pasco	Coastal Water Quality Improvement Program - forcemain & lateral line routing	100,000
Pinellas	Wastewater Collection System Improvements - lateral line routing, lift station design	150,000
Hillsborough	Delaney Creek/Palm River Heights Septic to Sewer Conversion - lateral line routing, lift station locations	100,000
Manatee	Manatee River Restoration & Water Quality Improvement Program - bathy survey, historical bar mapping	50,000
Manatee	GSI Sunray Clam Aquaculture - salinity & water quality monitoring for hatchery	30,000
Manatee	Boardwalk & Trail Easements, Fishing pier - pier assessment, MOU	30,000
Manatee	Coastal Watershed Management Plans - water quality monitoring	50,000
Manatee	Urban Park Stormwater Improvements - separator/filter marsh locations	50,000
Lee	Bob Janes Preserve Restoration - hydrologic restoration plan	200,000
		3,752,000

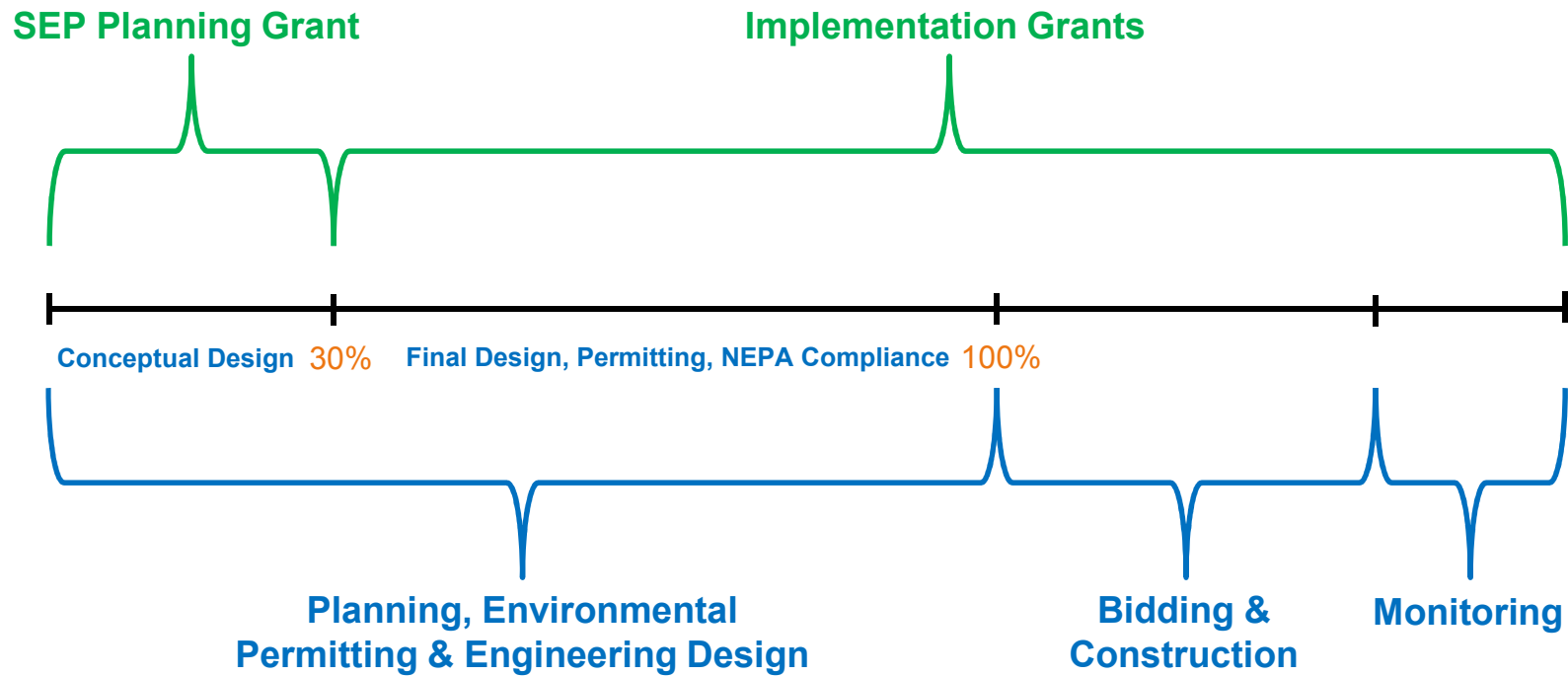


Reasons to Conduct CD/FS Concurrent with SEP Development

- The term “*conceptual design*” has been defined as ~30% engineering design
- All projects in the SEP must be “*feasible*”
- CD/FS work must eventually be done for all SEP projects in order to secure implementation grant funds
- The “Even Steven” approach requires detailed project definition to differentiate projects and strategically sequence the flow of implementation funds
- Once you have the faucet flowing for federal funds you don’t turn it off
- Most projects will be “grant ready” upon SEP approval

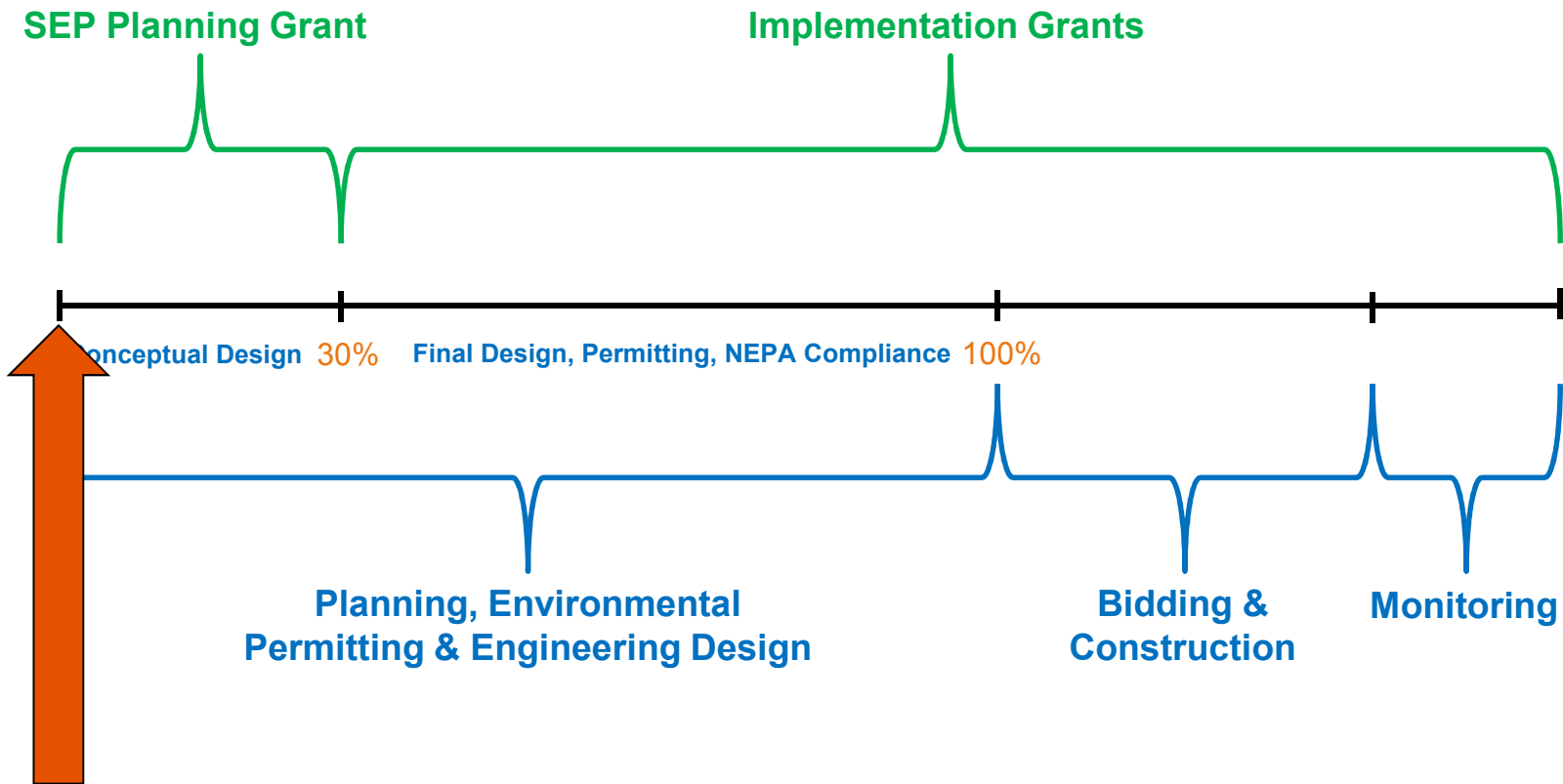


Project Life Cycle Funding





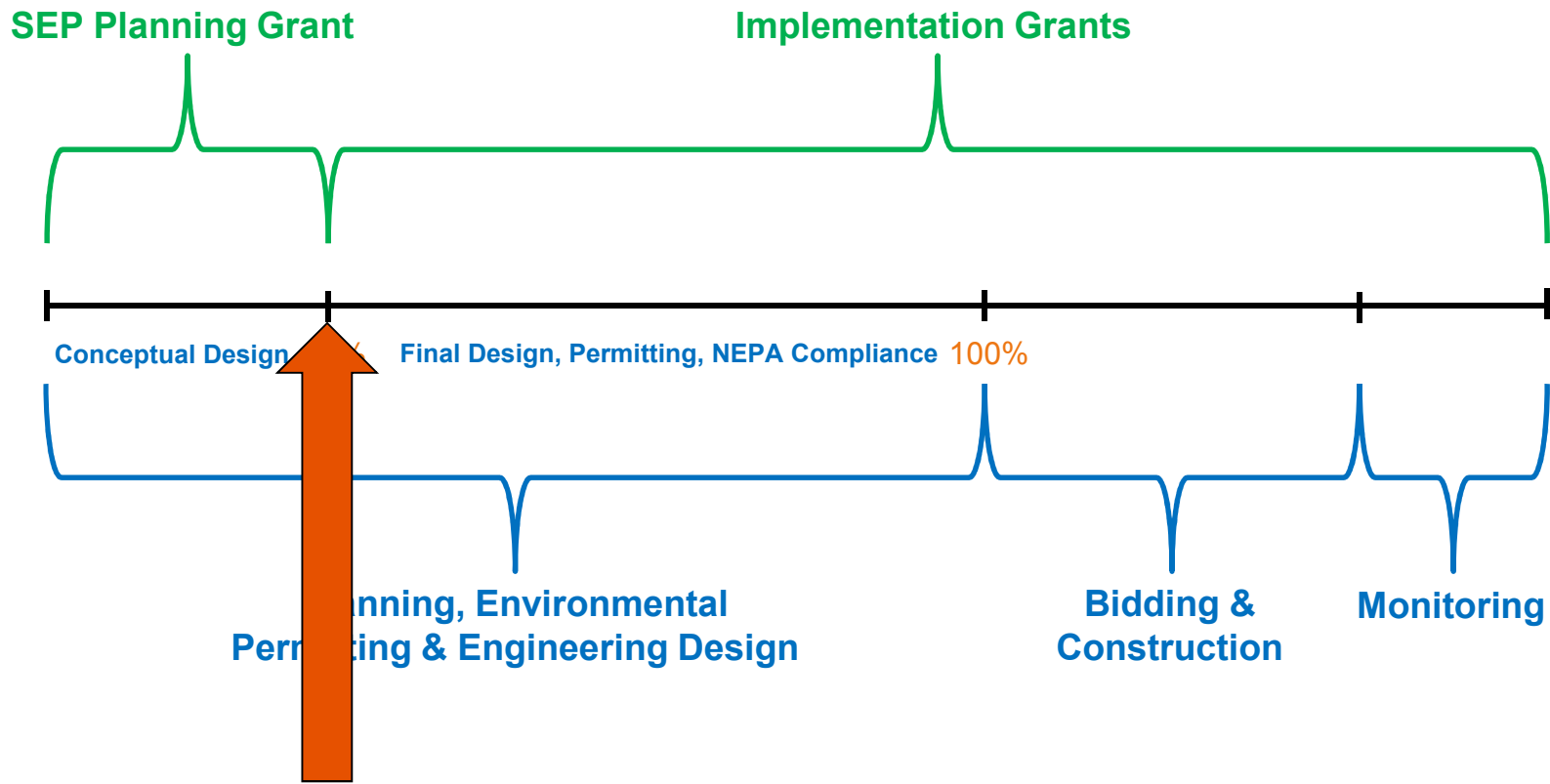
Project Life Cycle Funding



MS SEP Starts Here



Project Life Cycle Funding



FL SEP Would Start Here



Recommendation

- Gulf Consortium Manager prepare an RFQ for CD/FS work to be reviewed at the May 2017 meeting
- Gulf Consortium approves for procurement release at the June 2017 meeting
- Selection process occurs over summer 2017
- Recommended consultant is considered for selection at the September 2017 meeting