



Western
Area Power
Administration

RRADs Program Versus Construction Program

Parker-Davis Project and Intertie



May 21, 2018

JPA Meeting

Phoenix, AZ

What is a Construction Project?

Construction Project requires a Services Contract to build the Substation and/or Transmission Lines

- If it is funded by appropriations, the overall program is managed by a WAPA-wide Maintenance Design Construction Committee (MDCC).
- These type of projects are major construction that require a larger scope of work than a minor Construction Projects (RRADs) and are over \$750k.
 - Engineering & Design
 - Contract Specifications
 - Award to Construction Contractors
- These type of projects are multi-year that can take up two to five years to complete from cradle to grave.



What is a RRADs Project?

RRADs are Replacement, Retirement, Additions and Deletions Projects.

RRADs are design, built, and commission by Internal workforce (Force Labor)

- It is the utilization of Forced Labor in the areas of Substations, Transmission, Communication and Protection work.
 - This program is managed by an internal DSW committee.
 - These type of projects are minor construction that require a smaller scope of work than a major Construction Project and are normally under \$750k.
 - These type of projects are multi-year projects were the design, procurement of equipment/material are done in year one. The installation and commissioning is done in year two. There are some RRADs projects that are single year projects.
- Some examples of types of projects that forced labor cannot be utilized and work would have to be contracted out.
 - Roof Upgrades
 - Parking Lot Upgrades
 - Chillers
 - Waterline Erosion



DSW RRADs PROGRAM MANAGEMENT

RRADs Program Manager

- Facilitates Meetings with Committee Members
- Coordinates all Communication pertaining to this program
- Presents planned Budgets programs to DSW Senior Management to get approval
- Administers all aspects of the program to include financial documents to Budget Office, plan programs for current year and out years, coordination of funding issues, and monitors execution

DSW RRADs Program Committee Members

- Committee Members represents all DSW Organizations
- Subject Matter Experts consists of Senior Management, Foremen, Procurement, Budget and Finance, Power Marketing, Environmental, Operations, Senior Analysts, Project Managers, and Engineers



RRADs COMMITTEE ROLES AND RESPONSIBILITIES

- Program DSW's Ten Year Plan
- Program a Budget Plan for 2 years out for Budget Submission for DSW's OMB Formulation
- Revalidation in the year of execution based on current program needs
 - Committee will prioritize projects based on current year needs, goal is to stay within programmed budget marks set 2 year ago
 - Emergency and Unfunded projects are reprogrammed utilizing current Budget allocations
- Committee members are responsible to ensure that planned program for the current year is executed
 - Provide status on their projects
 - Provide documentation for their project submissions



RRADs TEN YEAR PLAN

The purpose of the RRADs Program is to allow flexibility to WAPA to manage minor construction work with Force Labor. The existing RRAD Ten Year Plan is managed and programmed following Budget Formulation requirements.

- Current Year, plus two years out are locked Budgets
- On the Year Four Plan and out, there are **reoccurring programs** that are done annually and are programmed in the current year and the rest of the out years of the Ten Year Program.
- Examples of Reoccurring Programs:
 - Wood Pole
 - Meter Replacements
 - Relay Line Replacements
 - Microwave Sites
 - Remote Terminal Units (RTUs)
 - Test Equipment
 - Facility Upgrades
 - HQ IT Software and Hardware Upgrades
 - Heavy Equipment Purchases
 - Power System Replacements 48VDC Charger and Battery for Communication Sites
 - Critical Infrastructure Protection for Cyber Security Assets (WIN/CIP)
 - Radio Replacements Joint Use System (JUS)
 - Digital Monitoring Equipment (DME)/Digital Fault Equipment



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