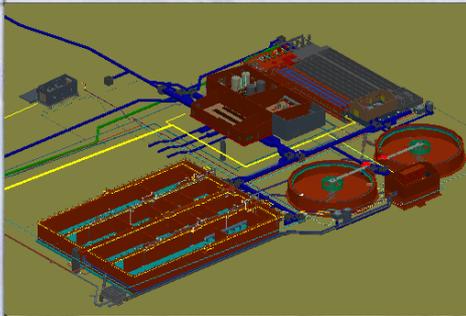


Airport Water Reclamation Facility (WRF)



Airport WRF Phase 1 Expansion Sundog WWTP Presentation Topics

- Airport WRF Phase 1 Expansion to 3.75 MGD
 - 90% Design Status
 - Milestones
 - Remaining Tasks
 - Construction Manager at Risk Approach
- Sundog Wastewater Treatment Plant (WWTP) Improvements

Airport WRF Phase 1 Expansion 90% Design Status

- Based on Master Plan Concept – Scalable
(Units added when demand exists)
- 30%, 60%, and 90% Design completed and
comments provided by City staff
- ADEQ Permit Submittal – July 2012

90% Design Footprint

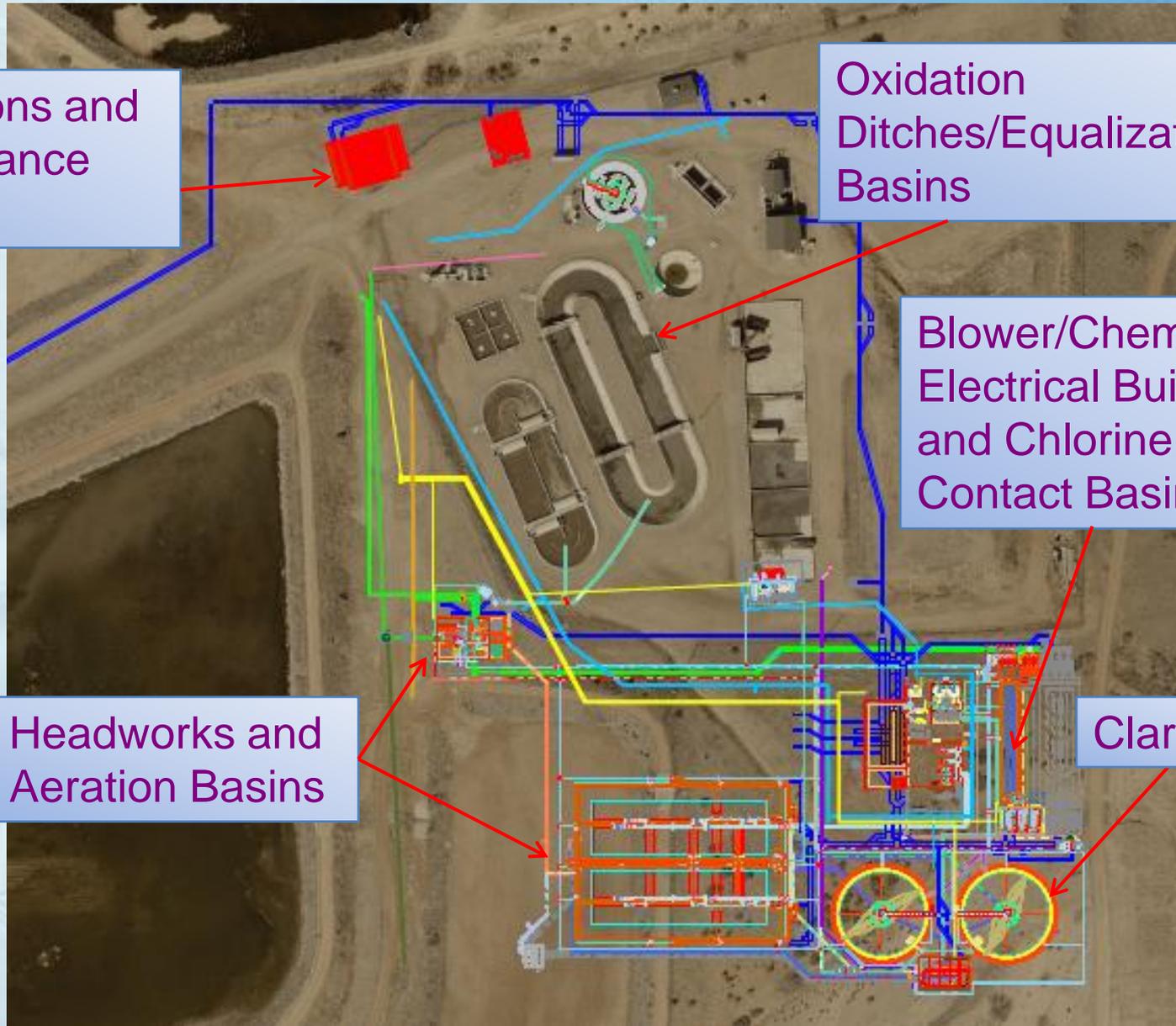
Operations and Maintenance Building

Oxidation Ditches/Equalization Basins

Blower/Chemical/Electrical Building and Chlorine Contact Basin

Headworks and Aeration Basins

Clarifiers



Airport WRF Phase 1 Expansion Milestones

30% Design Submittal	Sep 30, 2011
60% Design Submittal	Jan 30, 2012
90% Design Submittal	Jun 22, 2012
ADEQ Permit Submittal	July 2012
100% Submittal	August 2012
Final Design Documents	Sept. 2012
Guaranteed Maximum Price	Fall 2012
Construction Contract	Fall 2012
Construction 20-months	Summer 2014

Airport WRF Phase 1 Expansion Remaining Tasks

- Noise and Odor Easement Acquisition
- Permits to be obtained
 - ADEQ Construction / COP Building Permit
 - ADEQ (Operating) Aquifer Protection Permit
 - ADWR Underground Storage Facility Permit (USF)
- Utility Coordination
 - Gas
 - Electric
 - (3rd party utility extension costs, e.g. electric and gas services, not included in cost model)

Airport WRF Phase 1 Expansion Construction Manager at Risk (CMAR) Approach

- Master Plan Construction Budget- \$36,207,612
- 30% Cost Model - \$32,939,000
- 60% Cost Model - \$34,864,146

- Cost Model updated at 90% and Final Design

- Subcontracting Selection Plan

 - Bid/Work Packages being prepared

 - Qualified Bidders to be identified

 - Sealed bids to be received

Guaranteed Maximum Price (GMP) at Final Design

Airport WRF Phase 1 Expansion Construction Manager at Risk (CMAR) Approach

- Items which increased between 30 and 60% cost models:
 - Overall Building Costs
 - Return Activated Sludge /Waste Activated Sludge Pump Station
 - Effluent Pipeline and Storage
 - Mass Excavation – Phases 2 thru 4
 - Microwave Communication Tower
 - Fire Suppression Systems
 - Demo of select existing structures
- Electrical construction costs increased \$1,250,000

Airport WRF Phase 1 Expansion Construction Manager at Risk (CMAR) Approach

- Items which decreased between 30 and 60% cost models:
 - Clarifier Concrete Slab
 - Filters
 - Landscaping
- Net Change in Cost Model (30%-60%=+)\$1,900,000

Airport WRF Phase 1 Expansion Overall Project Budget

Fee Description	Fee
Current CMAR Construction Estimate	\$34,864,146
Engineering Design and Construction Management	\$5,300,000
Land Acquisition including Easements	\$500,000
CMAR Pre Construction Contract	\$382,000
APS Electric Construction	\$100,000
UniSource Gas Construction	\$75,000
ADEQ Permitting	\$100,000
City of Prescott Permitting	\$50,000
3 rd Party CMAR Cost Model Audit	\$19,900
City Personnel Costs	\$200,000
Total Cost Estimate	\$41,591,046

Airport WRF Financing Phase I Expansion

- August 31, 2010
 - City Council adopted Resolution No. 4041-1111 authorizing an application to the Arizona Water Infrastructure Financing Authority (WIFA) for project financing
- April 26, 2011
 - City Council adopted Ordinance No. 4784-1135 authoring a WIFA loan with a term of 20 years at a 3% interest rate for the total cost of the project

Sundog WWTP Improvements

Nitrification DeNitrification

- Design completed Feb 21, 2012
- Construction Contract awarded May 22, 2012
- Construction NTP June 18, 2012
- Anticipated Completion Dec 15, 2012

Construction Contract \$1,150,128

Airport WRF Phase 1

QUESTIONS