



BUCKSKIN SANITARY DISTRICT  
Phase 5/6 Wastewater Conveyance System  
&  
New Wastewater Treatment Plant  
-Community Meeting June 19, 2018-



I. INTRODUCTION

- a. Purpose of Meeting
- b. Introduction of BSD Board Members & Staff

II. PROJECT HISTORY and BACKGROUND

- a. Overview of Phase 5/6 Exhibit #1
- b. Phase 5/6 Preliminary Engineering Report
- c. Designated Colonias
- d. Received USDA Rural Development Loan/Grant Letter of Conditions August 2017 for funding the Area 5/6 Project
- e. Received additional conditions to USDA Loan/Grant funding in January 2018 for new American Iron and Steel Requirements

III. PHASE 5/6 OVERVIEW

- a. Wastewater Conveyance System & Lift Station Examples Exhibit #2
- b. New Wastewater Treatment Plant Exhibit #3

IV. PROJECT FUNDING

a. Total Project Cost Estimate	\$ 20,465,000	Exhibit #4
USDA RUS Colonia Grant Funds	\$ 5,327,190	
USDA RUS Additional Grant Funds	\$ 4,827,809	
USDA RUS Loan	\$ 10,310,000	
b. Estimated Construction Costs		Exhibit #5
Backbone Conveyance System	\$ 3,298,000	
WWTP Improvements	\$ 4,157,000	
Private Community Collection Systems	\$ 4,590,000	
Residential Building Connections	\$ 2,495,000	
Project Contingency	<u>\$ 1,454,000</u>	
	TOTAL	\$ 15,994,000

V. PRESENTATION OF ASSESSMENT COSTS Exhibit #6

VI. PROJECT SCHEDULE Exhibit #7

VII. QUESTIONS AND ANSWERS

VIII. CLOSING



# EXHIBIT 4 PHASE 5/6 PROJECT FUNDING

Total Project Cost Estimate	\$20,465,000
USDA RUS Colonia Grant Funds	\$5,327,190
USDA RUS Additional Grant Funds	\$4,827,809
USDA RUS Loan	\$10,310,000



# EXHIBIT 5

## TOTAL PROJECT COST BREAKDOWN

(Approved by USDA)

### Phase 5 Construction Costs

• Backbone Conveyance System	\$ 3,298,000
• New Wastewater Treatment Plant	\$ 4,157,000
• Private Community Collection Systems	\$ 4,590,000
• Residential Building Connections	\$ 2,495,000
• Contingency	<u>\$ 1,454,000</u>
	\$ 15,994,000

### Phase 5 Indirect Project Costs

(Includes Engineering & Planning Fees, Equipment, Construction Management, Legal & Administration, District Assessment & Financial Fees, and Capitalized Interest)

\$ 4,471,000

**TOTAL ESTIMATED PROJECT COST = \$ 20,465,000**



## EXHIBIT 6 ASSESSMENT CALCULATION EXAMPLE

Total Loan Amount = \$10,310,000

Total Number of Estimated EDUs in Phase 5/6 = 1,000

Amount Assessed per EDU or Cash Payment = \$ 10,310

Annual Loan Payment by District  
(Based on 40 year term, 2% interest) = \$ 390,028

Annual Payment per EDU (1)  
(Based on 40 year term @ 2.0 % interest) = \$ 390.03

Monthly Payment Equivalent per EDU (1)  
(Based on 40 year term @ 2.0 % interest) = \$ 32.50

Note: Assessment is tied to the property

EDU = Equivalent dwelling unit or average sewage flow from one home



# EXHIBIT 7 PHASE 5/6 PROJECT SCHEDULE

<u>Event</u>	<u>Date</u>
- Executed Land Lease Agreement with Arizona State Parks	Completed
- Sewer Conveyance System Design Initiated	March 2018
- Wastewater Treatment Plant (WWTP) Design Initiated	May 2018
- Complete WWTP Design	December 2018
- Aquifer Protection Permit Submittal to ADEQ	January 2019
- Complete Conveyance Sewer System Design	May 2019
- Aquifer Protection Permit and Conveyance System Approval by ADEQ	September 2019
- Construction Bid Advertisement	November 2019
- Setup Improvement District	Nov 2019 – May 2020
- Construction of Conveyance System Backbone & WWTP	June 2020 – Dec 2021
- Construction of Sewer Service Connections	Jan – Dec 2022