



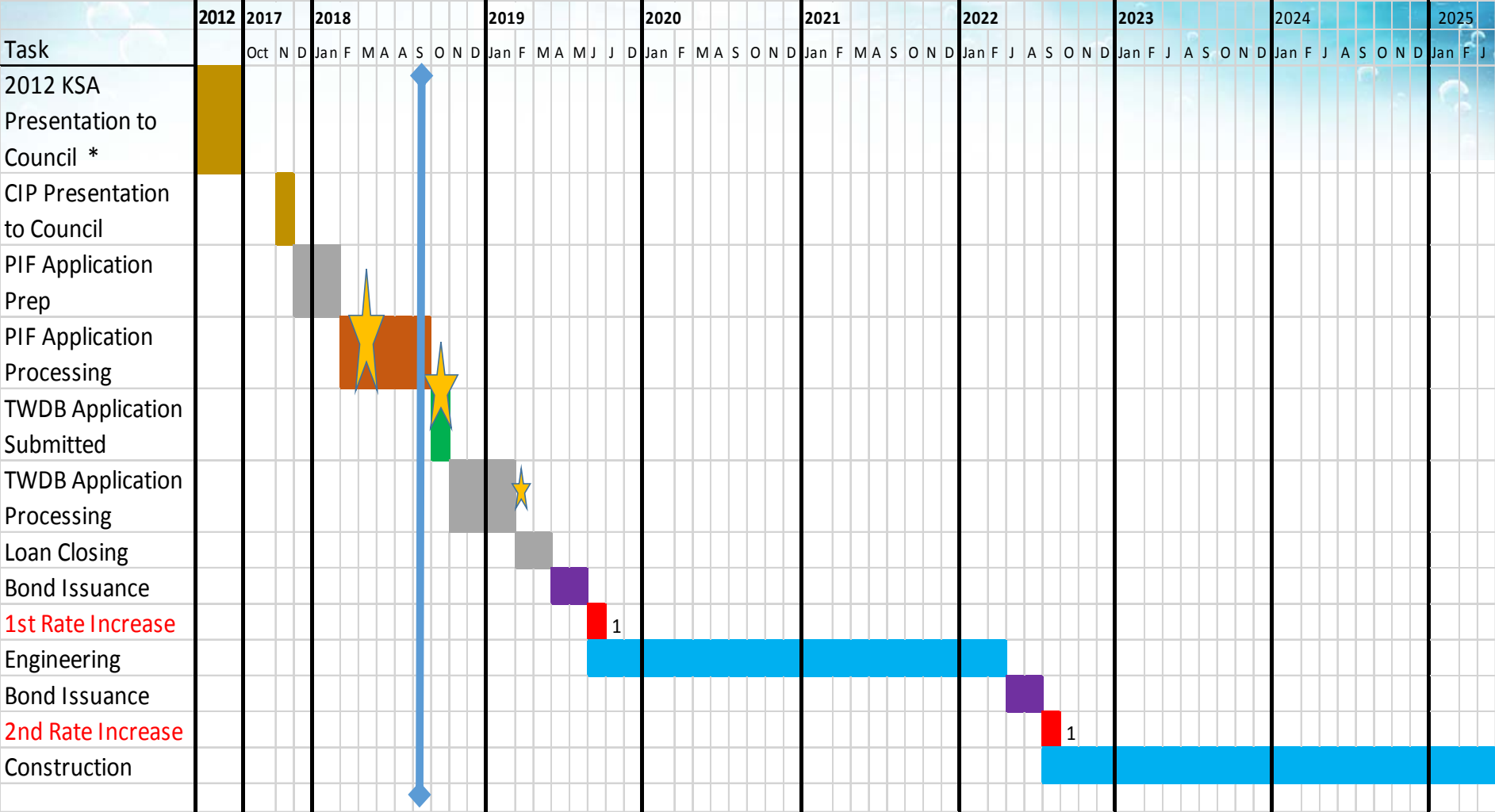
City of Rockdale TWDB Water Loan & CIP Overview

City Council
September 2018

Bob Lane, P.E.
Clay Livingston, P.E.
KSA Engineers, Inc.

Schedule

DRINKING WATER



*Presentation Identified approximately \$25 million in water related work that was needed

1 Notification to Rate Payers

★ Key Decision Dates

Water:		Cost
<u>RED WATER & CORROSION ISSUES:</u>		
1	Cast Iron Pipe Replacement (120,000 LF)	12,000,000
2	Texas Street WTP Filtration Retro-fit:	4,500,000
	WTP Filtration Process	
	Chemical Feed, SCADA, Electrical, Operations	
Option 1.a		
3	Mill Street WTP Replacement @ Airport	10,865,000
	New 12" Supply Piping to Mill Street Elevated Water Sto	2,500,000
	Subtotal:	29,865,000
Option 1.b		
3	Mill Street WTP Replacement - Across the Street from Current Lo	10,565,000
4	New Treatment, GST, and HSPS w/Pressure Tank @ Airport	2,500,000
	Subtotal:	29,565,000
Option 1.c		
3	Mill Street WTP Filter Upgrades (Underdrains)	565,000
4	New Treatment, GST, and HSPS w/Pressure Tank @ Airport	2,500,000
	Subtotal:	19,565,000
<u>MAINTENANCE & RELIABILITY:</u>		
1	Asbestos Cement Pipe Replacement (28,000 LF)	3,640,000
2	Repaint & Retro-fit Mill Street Water Tank	400,000
3	Replacement Water Lines (Capacity)	1,500,000
4	Fire Hydrant Replacement - Frozen Valves (20)	250,000
	Subtotal:	5,790,000
<u>CITY OPERATIONS AND EFFICIENCY:</u>		
1	AMR - Direct Upload Meters	350,000
	Water Subtotal w/Option 1.a, above:	\$36,005,000 *

*Cost Excludes Funding Fees, Consultants, Contingency, and Inflation. See PIF

Texas Water Development Board (TWDB)
Drinking Water State Revolving Fund (DWSRF)
Project Information Form (PIF)

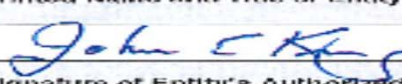


Section 10. ESTIMATED COSTS						
Cost Category		(a) Planning	(b) Acquisition	(c) Design	(d) Construction	(e) Total (a)+(b)+(c)+(d)
Check the phase(s) for which DWSRF finding is desired		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
A.	Treatment				18,285,000	18,285,000
B.	Transmission and Distribution				16,475,000	16,475,000
C.	Source					
D.	Storage				410,000	410,000
E.	Purchase of System					
F.	Restructuring					
G.	Land Acquisition					
H.	Source Water Protection					
I.	Engineering	450,000		4,430,000	810,000	5,690,000
J.	General, Legal, Financial	230,000				230,000
K.	Contingency	100,000		200,000	500,000	800,000
L.	Other (Describe cost) Surveying, Geotech, RFR, etc	Surveying 350,000 Geotech 35,000 Environ 150,000 Water Cons 15,000			GMT 50,000 RFR 500,000 Asset Man 30,000 C&M 70,000	1,200,000
M.	Subtotal (Add Lines A-L)	1,330,000		4,630,000	39,130,000	45,090,000
N.	Financing from Local Funds					
O.	Financing from Other Sources					
P.	Subtotal, SRF-Funded Amount (Subtract Lines N and O from Line M)	1,330,000		4,630,000	39,130,000	45,090,000

Note: A loan origination fee will be applied to any committed loan amount.

One-Time Commitment

Multi-Year Commitment

Section 11. AUTHORIZATION AND SIGNATURE

John King, Mayor	512-448-2511
Printed Name and Title of Entity's Authorized Representative	Telephone Number
	02/26/2018
Signature of Entity's Authorized Representative	Date (mm/dd/yyyy)
If the grand total (Section 10, Line P) is less than or equal to \$100,000, include: <ul style="list-style-type: none"> Statement establishing the basis for the project cost. Signature of system operator. 	If the grand total (Section 10, Line P) is greater than \$100,000, include: <ul style="list-style-type: none"> Seal of a Licensed Professional Engineer. Signature of a Licensed Professional Engineer.  

This form must be completed in full to be considered for rating and inclusion in the DWSRF PIF. Incomplete forms will prevent projects from being rated.

For questions, contact: Matthew Schmidt, 512-468-8321, matthew.schmidt@twdb.texas.gov

Form DW-007 (11/2017)

PIF Spreadsheet Inputs

Cost Category		(a) Planning	(b) Acquisition	(c) Design	(d) Construction	(e) Total (a)+(b)+(c)+(d)
Check the phase(s) for which DWSRF finding is desired		XX		XX	XX	
A.	Treatment				18,285,000	18,285,000
B.	Transmission and Distribution				18,475,000	18,475,000
C.	Source					0
D.	Storage				410,000	410,000
E.	Purchase of System					0
F.	Restructuring					0
G.	Land Acquisition					0
H.	Source Water Protection					0
I.	Engineering	450,000		4,430,000	810,000	5,690,000
J.	General, Legal, Financial	230,000				230,000
K.	Contingency	100,000		200,000	500,000	800,000
L.	Other (Describe Cost)	Surveying 350,000			CMT 50,000	
	Surveying, Geotech, RPR, Etc	Geotech 35,000			RPR 500,000	
		Environ 150,000			Asset Man 30,000	1,200,000
		Water Cons 15,000			O&M 70,000	
M.	Subtotal (Add Lines A-L)	1,330,000		4,630,000	39,130,000	45,090,000
N.	Financing from Local Funds					
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Primary Focus – Red Water



Final Comments

- System Failures:
 - Antiquated plants and piping systems through-out the City can lead to:
 - Boil Water Notices
 - Water Loss
 - TCEQ Violations and/or Fines.
 - No Water for a Period of Time until Repairs are Completed.
- When all the projects are completed:
 - The water quality can be assured from the plants.
 - The Red Water issue can be eliminated*.
 - Fire Flow will be improved.

*The Red Water Issue will eventually go away except for occasional system upsets. Future sources are as follows:

- Tanks
- Unreplaced Lines or Breaks
- Fire Flow shifting the flow-line inside the pipe