City of Abilene

Water Utilities Department 2015-2019 Capital Improvements Program Budget HWL 06/01/15

		Reference Only 2013-2014		2015		2016		2017		2018	2019			
	Project Number/Name	Drought Projects											Total	
	Drought Response Projects	, J												
irst Stage D	rought Projects													
ORP-13-01	DRP - Hargesheimer Improvements	\$ 2,350,436.19										\$	2,350,436	
DRP-13-02	DRP - Hamby WWTP Improvements	\$ 92,696,182.00										\$	92,696,182	
DRP-13-03	DRP - Kirby Piping Improvements	\$ 462,850.00										\$	462,850	
DRP-13-04	DRP - 3rd Pressure Plane Improvements	\$ 1,064,613.60										\$	1,064,614	
	*											\$	-	
Second Stage	Drought Projects	L	1										-	
ORP-14-01	DRP - Ivie Float Pump	\$ -										\$	-	
DRP-14-02	DRP - Hargesheimer Concentrate Reduction	\$ 3,000,000.00										\$	3,000,000	
DRP-14-03	DRP - Hargesheimer Expansion	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$	20,000,000								\$	20,000,000	
DRP-14-04	DRP - 3rd Pressure Plane Improvements	\$ 2,369,135.71	7									\$	2,369,136	
DRP-14-05	DRP - Maple Street Pump Station/Dist Improvements	\$ 929,000.00										\$	929,000	
DRP-15-01	DRP - PK Pipeline - BRA Pipeline	7 727,00000	S	30,000,000								\$	30,000,000	
3112 10 01	DRP - PK Pipeline - WCT Pipeline		S	5,000,000								\$	5,000,000	
DRP-15-02	DRP - PK WTP	\$ 19,365,920.50	\$	20,000,000								\$	39,365,921	
DRP-15-03	DRP - Engineering	\$ 10,305,300.00		-,,00								\$	10,305,300	
DRP-15-04	DRP - Easement Acquisition	\$ 400,000.00										\$	400,000	
	Total Drought Response Projects	\$ 132,943,438.00		75,000,000.00	\$	-	\$	-	\$	-	\$ -	\$	207,943,438	
	Certificates of Obligation	\$ 130,000,000.00	\$	70,000,000.00						•				
	Cash	\$ 2,943,438.00	\$	5,000,000.00									\$	207,9
Non-Drought	CIP Projects													
	Water Administration													
												\$	-	
	Water Production													
8030-15-01	Kirby Dam & Levee Maintenance		\$	4,000,000								\$	4,000,000	
3030-15-02	Lake Ft. Phantom Hill Dam & Levee Maintenance		\$	1,000,000								\$	1,000,000	
8030-16-01	Ivie System Electrical Switch Station				\$	900,000						\$	900,000	
8030-18-01	Lake Abilene Dam & Levee Maintenance								\$	3,000,000		\$	3,000,000	
8030-19-01	Phantom Intake Structure Improvements										\$ 2,000,000	\$	2,000,000	
												\$	-	
	Water Treatment													
3040-16-01	Monofill Sludge Disposal Site				\$	1,250,000						\$	1,250,000	
8040-16-02	Chemical Feed Systems - NE & Grimes WTPs		-		\$	1,000,000						\$	1,000,000	
8040-17-01	NE-WTP Clearwell 5.0 MG		-				\$	1,500,000				\$	1,500,000	
8040-17-02	SCADA System Upgrades		-				\$	1,500,000	\$	1,500,000		\$	3,000,000	
												\$	-	
2050 45 00	Water Distribution					4 000							2 000 000	
8050-15-01	Elmdale Pump Station		\$	2,000,000	\$	1,000,000			1			\$	3,000,000	
8050-16-01	Buffalo Gap Elevated Storage Tank		1		\$	1,000,000 1,000,000	1		-			\$	1,000,000	
8050-16-02	Grimes Ground Storage Tank		1		3	1,000,000	6	1 000 000	 			\$	1,000,000	
8050-17-01	Highland Elevated Storage Tank		1		 		\$	1,000,000	 			3	1,000,000	
3050-17-02 3050-18-01	Dyess 16" Relocation		1		 		\$	1,500,000	6	1,500,000		•	1,500,000	
8050-18-01 8050-19-01	Buffalo Gap 20" replacement Prison Parallel Line Install		1		 		1		3	1,500,000	\$ 1,000,000	•	1,500,000	
5050-19-01	FIISOH FAFAHEI LIRE INSTAH		-				1				a 1,000,000	\$	1,000,000	
	Wastewater Collection											Ф	-	
8060-16-01	SSOI - Slipline Upgrades				\$	1,000,000					\$ 1,000,000	\$	2,000,000	
8060-16-01	SSOI - Sewer Rehab		+		Ψ	1,000,000	\$	500,000	\$	500,000	Ψ 1,000,000	\$	1,000,000	
000-17-01	5501 Sewei Keliau		+		 		Ψ	300,000	Ψ	500,000		\$	1,000,000	
	Wastewater Treatment											φ		
	Hamby Septic Waste Disposal Station		\$	1,000,000								\$	1,000,000	
R070-15-01		-	Ψ	1,000,000	\$	2,000,000	 		 			\$	2,000,000	
					Ψ	2,000,000	1					φ Φ		33,6
	Buck Creek PS Rehab												- IS	
	Buck Creek PS Rehab	•	4	8 000 000	¢	0 150 000	¢	6 000 000	•	6 500 000	\$ 4,000,000	\$	Ψ	20,0
	Buck Creek PS Rehab TOTAL	\$ -	\$	8,000,000 5,000,000		9,150,000		0,000,000		- , ,	\$ 4,000,000 \$ 4,000,000		33,650,000	25,0
8070-15-01 8070-16-01	Buck Creek PS Rehab		\$ \$ \$	8,000,000 5,000,000 3,000,000	\$	9,150,000 8,150,000 1,000,000		6,000,000 6,000,000		6,500,000 6,500,000				-5,0

Drought Response Projects

Project Category:	Water / Wast	water					Location Ma	<u> </u>			//.
Department:	Water Utilitie	es									<i>())</i>
Project Title:	DRP - Harges	sheimer Expans	sion		Ī						X
Project Number:	DRP-14-03				Ī					////	*IIII
Location:	Hargesheime	r WTP			Ī					CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board	Ī					Drought Resp	onse Projects
Check one	X				1	_	_				BUDGET
Project Status	N	ew	Grant Cor	nected?	† I his	Space	Reserv	ed for Pro	oject		
Infill Area ?	ı	No	N	0	1	•			•		
Short Project Descript	ion		•		LOC	auon w	ap (var	iable Sca	ue <i>)</i>		
Install additional reverse		or micro-filtration	on modules and	other						Project S	Schedule
necessary treatment un	its to increase	the total treatm	ent capacity of t	he						START	FINISH
Hargesheimer WTP.										Property	Acquisition
										Const	ruction
			ΔΝΝ	IUAL PROJEC	CT COST					1	1
				2015		2017	2018	1		Profession	al Services
Project Costs	Prior Years	2013 Budget	2014 Request	Request	2016 Request	Request	Request	Beyond 2018	Total	FIOIESSIOI	lai Services
Property Acquisition									\$0	Furnishings	& Equipment
Construction				\$16,000,000					\$16,000,000		' '
Professional Services				\$4,000,000					\$4,000,000	Continger	cy & Other
Furnishings & Equip.									\$0		ĺ
Contingency & Other									\$0	TOTAL S	CHEDULE
Total	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000		
			ANN	UAL PROJEC	T FUNDS					TOTAL PRO	JECT
Project Funding	Prior Years	2012 Budget	2014 Request	2015	2016 Request	2017	2018	Beyond 2018	Total		
Froject Funding	Filor Tears	2013 Buuget	2014 Nequest	Request	2010 Nequest	Request	Request	Beyona 2016	iotai		
General									\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation				\$20,000,000					\$20,000,000	Construction	
Water									\$0	Construction	\$16,000,000
Federal/State									\$0	Professional	
Other									\$0	Services	4,000,000
Unfunded									\$0	Furnishings &	
Total	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000	Equipment	\$0
			NET IMPA	CT ON OPERA	TING BUDGET			•		Contingency &	
Revenue										Other	\$0
Expenditures										TOTAL	\$20,000,000

Project Title:	DRP - Harges	sheimer Expans	ion			Wa	ter / Wastw	/ater	
Project Number:	DRP-14-03								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2013- 2018	Beyond
	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$20,000,000	\$0



Install additional reverse osmosis and/or micro-filtration modules and other necessary treatment units to increase the total treatment capacity of the Hargesheimer WTP.

Project Timeline: DRP - Hargesheimer Expansion

		20	014			20	15	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								>

Project Category:	Water / Wast	water					Location Map)			% .
Department:	Water Utilitie	es								//	//
Project Title:	DRP - PK Pip	eline			Ī					///	
Project Number:	DRP-15-01				Ī						∤IIII
Location:					Ī					CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board	Ī					Drought Resp	onse Projects
Check one	X				1	_	_			CAPITAL	BUDGET
Project Status	N	ew	Grant Co	nnected?	† I his	Space	Reserve	ed for Pro	oject		
Infill Area ?	ı	No	N	0	100	otion NA	on (\/or	iabla Cas	ر مار		
Short Project Descript	tion		!		LOC	auon w	ap (var	iable Sca	aie <i>)</i>		
Install additional pipelin	es to extend ar	n existing pipelir	ne owned by the	Brazos River						Project S	Schedule
Authority to allow for the										START	FINISH
Possum Kingdom to the		•	,	, -						_	Acquisition
. 3	.,									1	- 1
										Const	ruction
	ANNUAL PROJECT COST									2015	2016
.	I			2015		2017	2018			Profession	al Services
Project Costs	Prior Years	2013 Budget	2014 Request	Request	2016 Request	Request	Request	Beyond 2018	Total	2015	2016
Property Acquisition						110 401000			\$0		& Equipment
Construction				\$35,000,000					\$35,000,000		
Professional Services				* , ,					\$0	Contingen	cv & Other
Furnishings & Equip.									\$0		
Contingency & Other									\$0	TOTAL S	CHEDULE
Total	\$0	\$0	\$0	\$35,000,000	\$0	\$0	\$0	\$0	\$35,000,000	2015	2016
	-		ANN	UAL PROJEC	T FUNDS					TOTAL PRO	JECT
D : 45 II	D: V	0040 D. I. 4	00445	2015	0040 D	2017	2018	D 10040	T 4 1		
Project Funding	Prior Years	2013 Budget	2014 Request	Request	2016 Request	Request	Request	Beyond 2018	Total		
General									\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation				\$30,000,000					\$30,000,000	0	* -
Water				\$5,000,000					\$5,000,000	Construction	\$35,000,000
Federal/State									\$0	Professional	, , , , , , , , , , , , , , , , , , , ,
Other									\$0	Services	0
Unfunded									\$0	Furnishings &	
Total	\$0	\$0	\$0	\$35,000,000	\$0	\$0	\$0	\$0	\$35,000,000	Equipment	\$0
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	NET IMPA	CT ON OPERA	TING BUDGET		· · · · · · · · · · · · · · · · · · ·	· · · · · ·	· · · · · ·	Contingency &	, , , , , , , , , , , , , , , , , , ,
Revenue										Other	\$0
Expenditures			 							TOTAL	\$35,000,000

Project Title:	DRP - PK Pip	eline				Wa	ter / Wastw	/ater	
Project Number:	DRP-15-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2013- 2018	Beyond
	\$0	\$0	\$0	\$35,000,000	\$0	\$0	\$0	\$35,000,000	\$0



Install additional pipelines to extend an existing pipeline owned by the Brazos River Authority to allow for the deliver of water (4-8MGD total; 3-6MGD usuable) from Possum Kingdom to the City of Abilene. A portion of the pipeline will be turned over to the West Central Texas Municipal Water District for ownership and operation. This portion of the pipeline (\$5 Million) will be funded by the Water Department out of cash reserves.

Project Timeline: DRP - PK Pipeline

		20	014			20	15	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

Project Category:	Water / Wast	twater					Location Map				<i>l</i> y.
Department:	Water Utilitie	es								- <i>//</i>	// /
Project Title:	DRP - PK Ro	ughing Plant			†						Z
Project Number:	DRP-15-02	3 3			İ					////	*IIII
Location:					†					CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board	†					Drought Resp	onse Projects
Check one	X				 .	_	_				BUDGET
Project Status	N	lew	Grant Cor	nected?	† I his	Space	Reserve	ed for Pro	oject		
Infill Area ?		No	N		1	•			•		
Short Project Descrip	tion				LOC	ation ivi	ap (var	iable Sca	ue)		
Construction of addition		lant facility to p	rovide for the pa	rtial treatment						Project S	Schedule
of raw water out of Pos										START	FINISH
or ran mater out or r oo	· · · · · · · · · · · · · · · · · · ·										Acquisition
										1 Topolty 7	toquioition
										Const	ruction
			ΔΝΝ	IUAL PROJEC	T COST					1	
		1		2015		2017	2018			Drofossion	l al Services
Project Costs	Prior Years	2013 Budget	2014 Request	Request	2016 Request	Request	Request	Beyond 2018	Total	FIOIESSIOII	ai Services
Property Acquisition				-					\$0	Furnishings	& Equipment
Construction				\$20,000,000					\$20,000,000		
Professional Services									\$0	Contingen	cy & Other
Furnishings & Equip.									\$0		
Contingency & Other									\$0	TOTAL S	CHEDULE
Total	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000		
	•	•	ANN	UAL PROJEC	T FUNDS		•			TOTAL PRO	JECT
Project Funding	Prior Years	2013 Budget	2014 Request	2015	2016 Request	2017	2018	Beyond 2018	Total		
1 Toject i anamg	T Hor rears	Z013 Budget	ZOTA Nequest	Request	2010 Request	Request	Request	Beyona 2010	Total		
General									\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation				\$20,000,000					\$20,000,000	Construction	
Water									\$0	Constituction	\$20,000,000
Federal/State				-					\$0	Professional	
Other									\$0	Services	(
Unfunded				-					\$0	Furnishings &	
Total	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000	Equipment	\$0
			NET IMPA	CT ON OPERA	TING BUDGET					Contingency &	
Revenue										Other	\$0
Expenditures										TOTAL	\$20,000,000

Project Title:	DRP - PK Rou	ighing Plant				Wa	ter / Wastv	vater	
Project Number:	DRP-15-02								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2013- 2018	Beyond
	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$20,000,000	\$0
D - (- ! - D ! (D									



Construction of additional treatment plant facility to provide for the partial treatment of raw water out of Possum Kingdom Reservoir.

Project Timeline: DRP - PK Roughing Plant

		20	014			20	15	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

Project Category:	Water / Wastv	water					Location Map			//	
Department:	Water Utilities	s					•				' /
Project Title:	Kirby Dam & L	evee Mainten	ance							////	
Project Number:	8030-15-01									////*	·
Location:	Lake Kirby Da	m								CITY OF A	BILENE
Project Source	Dept	Bond	Citizen	Board						20	15
Check one	X				Tl: : -	0	D	-1 f D	! 4	CAPITAL	BUDGET
Project Status	Dela	yed	Grant Co	nnected?	I NIS	Space	Reserve	ea for Pr	oject		
Infill Area ?	No.	0	N	lo	1.00	ation Ma	on Mari	abla Sa	olo)		
Short Project Descript	tion				LUC	alion ivi	ap (van	able Sc	aie)		
Inspections by the TCE	Q indicated dete	eriation due to	erosion and v	egetative						Project S	chedule
growth. A subsequent s	study of the corr	ective actions	required is dr	riving this						START	FINISH
multi-year project.	•		•	Ü						Property A	cquisition
1										, ,	
İ										Consti	uction
			ANN	UAL PROJEC	T COST					2015	2016
	I I	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2010	2016
Property Acquisition									\$0	Furnishings	& Equipment
Construction				\$4,000,000					\$4,000,000		
Professional Services	\$500,000			+ ,,					\$500,000	Contingen	cv & Other
Furnishings & Equip.									\$0	J	,
Contingency & Other									\$0	TOTAL SO	CHEDULE
Total	\$500.000	\$0	\$0	\$4.000.000	\$0	\$0	\$0	\$0	\$4,500,000	2010	2016
. Otal	ψοσο,σσο	ΨΟ									
10101	ψοσο,σσο	ΨΟ	+ -	JAL PROJECT	+ -	ψŰ	+-	* -	ψ .,σσσ,σσσ	TOTAL PRO	
		2013	+ -	JAL PROJECT	+ -	2017	2018	Bevond	. , ,	TOTAL PRO	
Project Funding	Prior Years	2013	2014	JAL PROJECT 2015	7 FUNDS 2016	2017	2018	Beyond 2018	Total	TOTAL PRO	
Project Funding		* -	ANNU	JAL PROJECT	T FUNDS	* -	* -	•	Total		
15.111		2013	2014	JAL PROJECT 2015	7 FUNDS 2016	2017	2018	•	. , ,	TOTAL PRO Property Acquisition	
Project Funding General Bonds		2013	2014	JAL PROJECT 2015 Request	7 FUNDS 2016	2017	2018	•	Total \$0 \$0	Property Acquisition	JECT
Project Funding General		2013	2014	JAL PROJECT 2015	7 FUNDS 2016	2017	2018	•	Total \$0	Property	JECT

\$0

\$0

\$0

\$0 \$4,000,000

NET IMPACT ON OPERATING BUDGET

\$0

\$0

0

\$4,500,000

Services

Furnishings & Equipment

Contingency & Other

TOTAL

500,000

\$0

\$0

\$4,500,000

Other

Unfunded

Total

Revenue

Expenditures

\$500,000

\$0

Project Title:	Kirby Dam & L	evee Mainter	nance			Wa	ter / Wastv	vater	
Project Number:	8030-15-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$500,000	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$4,000,000	\$0
Detailed Project Doce	rintion:		-	-			5	-	



Recent inspections by the TCEQ indicated the dams at Lake Kirby, Lake Abilene and Lake Ft. Phantom Hill have experienced some deteriation due to erosion and vegetative growth. The inspections recommended corrective action by the City to prevent more serious structural deteriation. The City has completed a full inspection and report from Freese & Nichols. Freese & Nichols is preparing a Professional Services Scope of Work and associated fee to design the necessary improvements. The Kirby Dam and Levee Repairs project would likely comprise of: increasing the hight of the dam to meet current standards, the repair of erosion on the upstream slope and emergency spillway (west levee), roadway and access improvements, vegetation control, and other tasks as identified by the Project Engineer and recommended by Water Department staff.

Work on the project could include: slope stabilization, erosion repair, brush removal, brush control, addition/replacement of rip rap, spillway and outlet structure improvements, seepage system relief drain repairs, and other work as identified by Freese & Nichols.

Project Timeline: Kirby Dam & Levee Maintenance

		20	15		2016				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Design									
Bid & Contract									
Construction									

Project Category:	Water / Wast	water					Location Map				% .			
Department:	Water Utilitie	s					•				//			
Project Title:	Lake Ft. Phan	tom Hill Dam	& Levee Maint	t.						///				
Project Number:	8030-15-02										*IIII			
Location:	Lake Ft. Phan	tom Hill								CITY OF	ABILENE			
Project Source	Dept	Bond	Citizen	Board						20	15			
Check one	X				T L:-	0	D			CAPITAL	BUDGET			
Project Status	Ne	w	Grant Co	nnected?	I NIS	Space	Reserve	ea for Pr	oject					
Infill Area ?	N	0	N	О	1.00	otion M	on Wari	abla Sa	رمام)					
Short Project Descrip	tion				LOC	cation Ma	ap (van	able Sc	aie)					
Inspections by the TCE	Q indicated det	eriation due to	erosion and v	regetative						Project S	Schedule			
growth. A subsequent										START	FINISH			
multi-year project.	,										Acquisition			
, , ,										, ,				
										Const	ruction			
			ANN	UAL PROJEC	T COST					2016	2017			
	I	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services			
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2010	2017			
Property Acquisition			110401001	110001	1104000		quoot		\$0		& Equipment			
Construction				\$1,000,000					\$1,000,000	- carrier in a ge	<u> qpe</u>			
Professional Services				ψ.,σσσ,σσσ					\$0	Contingen	cv & Other			
Furnishings & Equip.									\$0		-, -, -, -, -, -, -, -, -, -, -, -, -, -			
Contingency & Other									\$0	TOTAL SO	CHEDULE			
Total	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	2016	2017			
	<u> </u>			JAL PROJECT	T FUNDS				. , , ,	TOTAL PRO	JECT			
		2013	2014	2015	2016	2017	2018	Beyond						
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total					
General		Daugot	rtoquoot	rtoquoot	rtoquoot	rtoquoot	Roquoot	2010	\$0	Property				
Bonds									\$0	Acquisition	\$0			
Cert. of Obligation				\$1,000,000					\$1,000,000	·	Ψ			
Water				ψ1,000,000					\$0	Construction	\$1,000,000			
Federal/State									\$0	Professional	ψ1,500,000			
Other									\$0	_				
Unfunded									\$0	Furnishings &				
Total	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	Equipment	\$0			
	. , , , ,	**	+ -	T ON OPERA	TING BUDGE	+ -	. ,	**	. ,	Contingency &	Ψ			
Revenue				3 0. 2.0						Other	\$0			
Nevenue											Ψ			

\$1,000,000

TOTAL

Expenditures

Project Title:	Lake Ft. Phan	tom Hill Dam	& Levee Mair	nt.		Wa	ter / Wastv	vater .	
Project Number:	8030-15-02								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0
Detailed Project Descri	rintion:					•	•	-	



Recent inspections by the TCEQ indicated the dams at Lake Kirby, Lake Abilene and Lake Ft. Phantom Hill have experienced some deteriation due to erosion and vegetative growth. The inspections recommended corrective action by the City to prevent more serious structural deteriation. Freese & Nichols is currently designing the necessary improvements.

Work on the project could include: slope stabilization, erosion repair, brush removal, brush control, addition/replacement of rip rap, spillway and outlet structure improvements, seepage system relief drain repairs, and other work as identified by Freese & Nichols.

Project Timeline: Lake Ft. Phanto

Lake Ft. Phantom Hill Dam & Levee Maint.

<u>-</u>								
		20	15			20)16	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

Project Category:	Water / Wastwater Location Map									/	% .				
Department:	Water Utilitie	s					•			<i> </i>	//				
Project Title:	Elmdale Pump	Station Impro	ovements							////	' ''''				
Project Number:	8050-15-01	•								////	*IIII				
Location:	Elmdale Pump	Station								CITY OF	ABILENE				
Project Source	Dept	Bond	Citizen	Board						20	15				
Check one	X				Th:	C	D	- d f - n D -	-:1	CAPITAL	BUDGET				
Project Status	Ne	w	Grant Co	nnected?	i nis	Space	Reserve	ed for Pr	oject						
Infill Area ?	N	0	N	0	Loc	ation M	an (Vari	able Sca	رمام)						
Short Project Descript	ion				LUC	alion ivi	ap (van	able Sc	ale)						
Relocation of the existin	ng Elmdale Pum	p Station with	new building,	pumps,						Project S	Schedule				
appurtenances, and rel	•	-	σ,	• •						START	FINISH				
	0									Property A	Acquisition				
										Consti	ruction				
			ANN	UAL PROJEC	T COST					2016	2017				
	I	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services				
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2016	2017				
Property Acquisition		9					1104010		\$0		& Equipment				
Construction				\$2,000,000	\$1,000,000				\$3,000,000						
Professional Services				, , ,	, , ,				\$0	Contingen	cv & Other				
Furnishings & Equip.									\$0		ĺ				
Contingency & Other									\$0	TOTAL SO	CHEDULE				
Total	\$0	\$0	\$0	\$2,000,000	\$1,000,000	\$0	\$0	\$0	\$3,000,000	2016	2017				
	-	-	ANNU	JAL PROJECT	T FUNDS	-	-	-		TOTAL PRO	JECT				
	1	2013	2014	2015	2016	2017	2018	Beyond							
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total						
General									\$0	Property					
Bonds									\$0	Acquisition	\$				
Cert. of Obligation									\$0	-	*				
Water				\$2,000,000	\$1,000,000				\$3,000,000	Construction	\$3,000,00				
Federal/State				. , ,	. , ,				\$0						
Other									\$0	 II I					
Unfunded									\$0	Furnishings &					
Total	\$0	\$0	\$0	\$2,000,000	\$1,000,000	\$0	\$0	\$0	\$3,000,000	Equipment					
NET IMPACT ON OPERATING BUDGET										Contingency &	\$				

Revenue

Expenditures

Contingency & Other

TOTAL

\$0

\$3,000,000

Project Title:	Elmdale Pump	o Station Impr	ovements			Wa	ter / Wastv	vater	
Project Number:	8050-15-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$2,000,000	\$1,000,000	\$0	\$0	\$3,000,000	\$0
Detailed Project Doce	rintion:		•				•	-	



Relocation of the existing Elmdale Pump Station with new building, pumps, appurtenances, and related piping. The relocation is needed in order to maximize the capacity of the pump station facility to better serve the eastern part of the second pressure plane. A new facility would be strategically located considering existing supply and distribution pipelines. New pumping equipment would be installed.

Project Timeline: Elmdale Pump Station Improvements

		20	15		2016				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Design									
Bid & Contract									
Construction									

Project Category:	Water / Wast	water		_		L	Location Map				7.				
Department:	Water Utilitie	s					•								
Project Title:	Hamby Septic	: Waste Dispo:	sal Station	_						////	'				
Project Number:	8070-15-01	•								////	*IIII				
Location:	Hamby Waste	ewater Treatme	ent Plant							CITY OF	ABILENE				
Project Source	Dept	Bond	Citizen	Board						20	15				
Check one	X				Th:-	C	D	- d f - n D -	-:1	CAPITAL	BUDGET				
Project Status	Ne	•W	Grant Co	nnected?	I NIS	Space	Reserve	ed for Pr	oject						
Infill Area ?	N	0	N	0	1.00	otion N/	on Mari	abla Sa	ر مار						
Short Project Descript	tion				LUC	alion ivi	ap (van	able Sca	aie)						
Design and Construction		osal Station fo	r local and re	gional Septic						Project S	Schedule				
Waste haulers to dispos	•			•						START	FINISH				
											Acquisition				
											- 1				
										Const	ruction				
			ANN	UAL PROJEC	T COST					2015	2016				
		2013	2014	2015	2016	2017	2018	Beyond		Profession					
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2015	2016				
Property Acquisition		Duaget	request	request	request	request	request	2010	\$0		& Equipment				
Construction				\$1,000,000					\$1,000,000	1 diffisilings	& Equipment				
Professional Services				ψ1,000,000					\$1,000,000	Contingen	cv & Other				
Furnishings & Equip.									\$0	Contingen	cy & Other				
Contingency & Other									\$0	TOTAL SO	CHEDIII E				
Total	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	2015	2016				
	ΨΟ	Ψΰ	+ -	JAL PROJECT	+ -	Ψΰ	ΨΟ	ΨΟ	ψ1,000,000	TOTAL PRO					
	I	2013	2014	2015	2016	2017	2018	Beyond		TOTALTRO	OLO1				
Project Funding	Prior Years					Reguest		2018	Total						
0		Budget	Request	Request	Request	Request	Request	2010	# 0						
General									\$0 \$0	Property Acquisition	Φ.				
Bonds Cort of Obligation									\$0 \$0	Acquisition	\$				
Cert. of Obligation Water				£4,000,000					+ -	Construction	\$1,000,00				
water Federal/State				\$1,000,000					\$1,000,000						
									\$0	Professional Services					
Other									\$0 \$0						
I Infirmate at										Furnishings &					
Unfunded Total	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	Equipment	\$0				

Revenue

Expenditures

Contingency & Other

TOTAL

\$0

\$1,000,000

Project Title:	Hamby Septic	Waste Dispo	sal Station			Wa	ater / Wastv	water	
Project Number:	8070-15-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0
Detailed Project Desc	rintion:		•	-		•	-	-	



The City of Abilene doesn't currently accept waste from local or regional septic tank waste disposal businesses. With the construction of the new Hamby Wastewater Treatment Plant, the City has been approached about constructing additional facilities to allow us to start a new Septic Tank Waste Disposal program. The proposed new program is dependent upon authorization from the Abilene City Council.

Construction will allow the City to receive and treat these waste streams that have not previously been received.

The City is still developing the commercial rates to be charged for this service. The City does not want the sewer system customers to subsidize this program since additional facilities will be required to allow for the treatment of these wastes.

Project Timeline: Hamby Septic Waste Disposal Station

		20	15		2016				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Design									
Bid & Contract									
Construction									

Project Category:	Water / Wast	water				-	Location Map	1).			
Department:	Water Utilitie	S								<i>///</i>	<i>'</i>			
Project Title:	Ivie System E	lectrical Sub-S	Station							////	****			
Project Number:	8030-16-01									<i> </i>	<i>-</i>			
Location:		Intake and Bo	oster Stations							CITY OF A	BILENE			
Project Source	Dept	Bond	Citizen	Board						20	16			
Check one	X				-	_	_			CAPITAL	BUDGET			
Project Status	Dela	ived	Grant Co	nnected?	Ihis	Space	Reserve	ed for Pr	oject					
Infill Area ?	N	lo	N	0	١٠٥	otion M	on Mari	abla Ca	ر مام					
Short Project Descript	ion	<u> </u>			LOC	ation ivi	ap (van	able Sca	aie)					
The Water Department		e production o	apacity of the							Project S	Schedule			
Hargesheimer Water Tr				e the load on						START	FINISH			
the existing electrical su										Property A				
to handle the increased										1 Topolty 7	toquioitioi			
	a diodition load.									Const	ruction			
	ANNUAL PROJECT COST									2015	2016			
D 1 10 1	D : V	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services			
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total					
Property Acquisition			1104000	110 4 110 11	110 40.000				\$0	Furnishings	& Equipment			
Construction					\$900.000				\$900,000					
Professional Services									\$0	Contingen	cy & Other			
Furnishings & Equip.									\$0					
Contingency & Other									\$0	TOTAL SO	CHEDULE			
Total	\$0	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$900,000	2015	2016			
			ANNU	JAL PROJECT	T FUNDS	·	·	· · · · · · · · · · · · · · · · · · ·		TOTAL PRO	JECT			
	I	2013	2014	2015	2016	2017	2018	Beyond						
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total					
General							·		\$0	Property				
Bonds									\$0	Acquisition	\$0			
Cert. of Obligation					\$900,000				\$900,000		·			
Water									\$0	Construction	\$900,000			
Federal/State									\$0	Professional	, , , , , , , , , , , , , , , , , , , ,			
Other									\$0 Services					
Unfunded									\$0	Furnishings &	C			
Total	\$0	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$900,000	Equipment	\$0			
		* -	NET IMPAC	T ON OPERA	TING BUDGE	Т	* -	* -		Contingency &	Ψ			
Revenue									0	011	\$0			
Expenditures									0	TOTAL	\$900,000			

Project Title:	Ivie System El	ectrical Sub-	Station			Wa	ter / Wastv	vater	
Project Number:	8030-16-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$0	\$900,000	\$0	\$0	\$900,000	\$0
Detailed Project Desc	ription:		-	-	•		-		



The Water Department is increasing the production capacity of the Hargesheimer Water Treatment Plant. This expansion will increase the load on the existing electrical substations, and these improvements will ensure it is able to handle the increased electrical load.

The project will address reliability and safety issues at these sub-stations.

Project Timeline:

Ivie System Electrical Sub-Station

		20	16		2017				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Design									
Bid & Contract									
Construction									

Project Category:	Water / Wast	water					Location Map			//					
Department:	Water Utilitie	s					-				/				
Project Title:	Monofill Sludg	ge Disposal Sit	te							////	***				
Project Number:	8040-16-01									//// *	<i>·</i> ////				
Location:	NE WTP									CITY OF A	BILENE				
Project Source	Dept	Bond	Citizen	Board						20	16				
Check one	X				 . ·	_	_			CAPITAL	BUDGET				
Project Status	Dela	ved	Grant Co	nnected?	I his	Space	Reserve	ed for Pr	oject						
Infill Area ?		lo	N	lo		-			-						
Short Project Descrip	tion				LOC	auon w	ap (Vari	able Sca	aie)						
The City's Water Treatr		duce large vol	umes of sludg	e as a						Project S	chedule				
treatment by-product.										START	FINISH				
location to receive the v			J	·						Property A	cquisition				
		-								·	,				
										Consti	uction				
			ANN	UAL PROJEC	T COST					2015	2016				
	T	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services				
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total						
Property Acquisition									\$0	Furnishings	& Equipment				
Construction					\$750,000				\$750,000	J					
Professional Services					. ,				\$0	Contingen	cv & Other				
Furnishings & Equip.					\$500,000				\$500,000		•				
Contingency & Other									\$0	TOTAL SO	CHEDULE				
Total	\$0	\$0	\$0	\$0	\$1,250,000	\$0	\$0	\$0	\$1,250,000	2015	2016				
	-		ANNU	JAL PROJECT	T FUNDS					TOTAL PRO	JECT				
5 ' . 5 "	. v	2013	2014	2015	2016	2017	2018	Beyond							
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total						
General		U	•		·	•	•		\$0	Property					
Bonds									\$0	Acquisition	\$0				
Cert. of Obligation					\$1,250,000				\$1,250,000		·				
Water									\$0	Construction	\$750,000				
Federal/State									\$0	Professional	•				
Other									\$0	\$0 Services					
Unfunded									\$0	Furnishings &					
Total	\$0	\$0	\$0	\$0	\$1,250,000	\$0	\$0	\$0	\$1,250,000	000 Equipment \$500					
	NET IMPACT ON OPERATING BUDGET									Contingency &	,				
Revenue									0	Other	\$0				

0

TOTAL

\$1,250,000

Project Title:	Monofill Sludg	e Disposal Si	te			Wa	ter / Wastv	water	
Project Number:	8040-16-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$0	\$1,250,000	\$0	\$0	\$1,250,000	\$0
Detailed Project Desc	crintion:		-	•	•		•	•	



The City's Water Treatment Plants produce large volumes of sludge as a treatment by-product. This project will open a new monofill sludge disposal location to receive the water treatment sludge.

Project Timeline:

Monofill Sludge Disposal Site

		20	16		2017 Q1 Q2 Q3 Q4					
	Q1	Q2	Q3	Q4	Q1	Q4				
Design										
Bid & Contract										
Construction										

Project Category:	Water / Wast	water					Location Map	1			<u>,</u>				
Department:	Water Utilitie									<i> </i>	/				
Project Title:	Chemical Fee	ed Systems - N	IE & Grimes V	VTPs						<i> </i>					
Project Number:	8040-16-02	•								////*	:IIII				
Location:	NE WTP									CITY OF A	BILENE				
Project Source	Dept	Bond	Citizen	Board						20	16				
Check one	X					_	_			CAPITAL	BUDGET				
Project Status	Dela	ved	Grant Co	nnected?	I his	Space	Reserve	ed for Pr	oject						
Infill Area ?		lo	N	lo		•			-						
Short Project Descrip	tion				LOC	alion ivi	ap (Vari	able Sc	aie)						
This project will allow for	or the addition o	f Sodium Perr	nanganate as	one of the						Project S	Schedule				
water treatment chemic	als as both the	Northeast and	the Grimes V	Vater						START	FINISH				
Treatment Plants.										Property A	Acquisition				
										1 7					
										Const	ruction				
			ANN	UAL PROJEC	T COST					2015	2016				
	1	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services				
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2015	2016				
Property Acquisition									\$0		& Equipment				
Construction					\$1,000,000				\$1,000,000	J					
Professional Services									\$0	Contingen	cy & Other				
Furnishings & Equip.									\$0	Ü					
Contingency & Other									\$0	TOTAL SO	CHEDULE				
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	2015	2016				
			ANNU	JAL PROJECT	T FUNDS					TOTAL PRO	JECT				
Desirat Femalian	Prior Years	2013	2014	2015	2016	2017	2018	Beyond	Total						
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total						
General				-	-		-		\$0	Property					
Bonds									\$0	Acquisition	\$0				
Cert. of Obligation					\$1,000,000				\$1,000,000	Construction					
Water									\$0	Construction	\$1,000,000				
Federal/State		_			_			_	\$0	Professional					
Other									\$0	Services					
Unfunded									\$0	\$0 Furnishings &					
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	000 Equipment					
			NET IMPAC	T ON OPERA	OPERATING BUDGET					Contingency &					
Revenue									0	Other	\$0				
		·	·		·			·		T0.T41	A 4 000 000				

0

TOTAL

\$1,000,000

Project Title:	Chemical Fee	d Systems - N	IE & Grimes V	VTPs		Wa	ter / Wastv	vater	
Project Number:	8040-16-02								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0
Detailed Project Desc	ription:		-	-	-		-	-	



This project will allow for the addition of Sodium Permanganate as one of the water treatment chemicals as both the Northeast Water Treatment Plant and the Grimes Water Treatment Plant.

As the drought conditions continue and lake levels fall, the raw water coming into the treatment plants has higher concentrations of manganese. This element occurs in nature and is naturally found in our water supplies. As it becomes more concentrated in the water supply, it can result in discoloration of the drinking water throughout the water distribution system. Adding Sodium Permanganate to the water treatment process allows the Department to better treat and control the levels of manganese, and thus improve our response to the discoloration of the drinking water in the system.

Project Timeline: Chemical Feed Systems - NE & Grimes WTPs

		20	16		2017				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Design									
Bid & Contract									
Construction									

Project Category:	Water / Wast	water					Location Map				.
Department:	Water Utilitie	s									/
Project Title:	Buffalo Gap E	levated Stora	ge Tank							////	•
Project Number:	8050-16-01									////*	
Location:	Buffalo Gap E	levated Stora	ge Tank							CITY OF A	ABILENE
Project Source	Dept	Bond	Citizen	Board						20	16
Check one	X					_	_			CAPITAL	BUDGET
Project Status	Dela	ayed	Grant Co	nnected?	I NIS	Space	Reserve	ea for Pr	oject		
Infill Area ?		lo	N	lo	1.00	otion M	an Mari	abla Sa	ر مام		
Short Project Descrip	tion				LOC	alion ivi	ap (Vari	able Sc	ale)		
Annual tank inspections	s have identified	d maintenance	issues neede	d to protect						Project S	Schedule
the structural integrity of	of the storage fa	cilities, extend	I their useful lit	fe, and						START	FINISH
ensure water quality.	J	·		·						Property A	Acquisition
, ,										, ,	· ·
										Const	ruction
			ANN	UAL PROJEC	T COST					2016	2016
D 1 10 1	5	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2016	2016
Property Acquisition		Ŭ		·	·	·	·		\$0	Furnishings	& Equipment
Construction					\$1,000,000				\$1,000,000	J	, ,
Professional Services									\$0	Contingen	cy & Other
Furnishings & Equip.									\$0	· ·	
Contingency & Other									\$0	TOTAL SO	CHEDULE
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	2016	2016
	-		ANNU	JAL PROJECT	T FUNDS		-			TOTAL PRO	JECT
Businest From Page	D. i V.	2013	2014	2015	2016	2017	2018	Beyond	T-4-1		
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total		
General				-	•	-			\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation					\$1,000,000				\$1,000,000	Comptunction	
Water									\$0	Construction	\$1,000,000
Federal/State									\$0	Professional	
Other									\$0	Services	(
Unfunded									\$0	Furnishings &	
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	Equipment	\$0
		NET IMPACT ON OPERATING BUDGET								Contingency &	
Revenue									0	Other	\$0
F	1		i							TOTAL	Φ4 000 000

TOTAL

\$1,000,000

Expenditures

Project Title:	Buffalo Gap E	levated Stora	ge Tank			Wa	ter / Wastv	water	
Project Number:	8050-16-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0
Detailed Project Desc	ription:		-	-	<u> </u>		-		



Annual tank inspections have identified maintenance issues needed to protect the structural integrity of the storage facilities, extend their useful life, and ensure water quality.

Work will include: structural repairs, abrasive blasting, application of corrosion resistant coating on interiors, and application of paint on exteriors.

Project Timeline: Buffalo Gap Elevated Storage Tank

		20	16		2017					
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Design										
Bid & Contract										
Construction										

Project Category:	Water / Wast	water					Location Map			//) ,				
Department:	Water Utilitie	s									/				
Project Title:	Grimes Grour	nd Storage Tai	nk							////					
Project Number:	8050-16-02	<u> </u>								//// *	:W				
Location:	NE WTP									CITY OF A	BILENE				
Project Source	Dept	Bond	Citizen	Board						20	16				
Check one	X					_	_			CAPITAL	BUDGET				
Project Status	Dela	ved	Grant Co	nnected?	I his	Space	Reserve	ed for Pr	oject						
Infill Area ?		lo	N	lo		•			-						
Short Project Descrip	tion				LOC	auon w	ap (Vari	able Sca	aie)						
Annual tank inspections		d maintenance	issues neede	d to protect						Project S	Schedule				
the structural integrity of										START	FINISH				
ensure water quality.	2 2 2 2 2 3 3 2 2 2	,		,						Property A					
											- 1				
										Const	ruction				
			ANN	UAL PROJEC	T COST					2016	2016				
	1	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services				
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2016	2016				
Property Acquisition		Ŭ		·	·		·		\$0	Furnishings	& Equipment				
Construction					\$1,000,000				\$1,000,000	Ŭ					
Professional Services									\$0	Contingen	cy & Other				
Furnishings & Equip.									\$0	J					
Contingency & Other									\$0	TOTAL SO	CHEDULE				
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	2016	2016				
	-		ANNU	JAL PROJECT	FUNDS					TOTAL PRO	JECT				
Businest From Page	Dailes Versus	2013	2014	2015	2016	2017	2018	Beyond	Total						
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total						
General						•			\$0	Property					
Bonds									\$0	Acquisition	\$0				
Cert. of Obligation					\$1,000,000				\$1,000,000	0	*				
Water									\$0	Construction	\$1,000,000				
Federal/State									\$0	Professional					
Other									\$0	\$0 Services					
Unfunded									\$0	\$0 Furnishings &					
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	000 Equipment					
			NET IMPAC	T ON OPERA	TING BUDGE	Т				Contingency &					
Revenue									0	Other	\$0				
	1		1						-		# 4 000 004				

0

TOTAL

\$1,000,000

Project Title:	Grimes Groun	d Storage Ta	nk			Wa	ter / Wastv	vater	
Project Number:	8050-16-02								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0
Detailed Project Desc	ription:		-	-	<u> </u>		-		



Annual tank inspections have identified maintenance issues needed to protect the structural integrity of the storage facilities, extend their useful life, and ensure water quality.

Work will include: structural repairs, abrasive blasting, application of corrosion resistant coating on interiors, and application of paint on exteriors.

Project Timeline: Grimes Ground Storage Tank

		20	16		2017				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Design									
Bid & Contract									
Construction									

Project Category:	Water / Wast	water					Location Map				<u> </u>
Department:	Water Utilitie	s								//	//
Project Title:	SSOI - Slipline	e Upgrades			1					///	
Project Number:	8060-16-01	• -			1					////	*IIII
Location:	various location	ons			1					CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board						20	16
Check one	X] <u></u>	0	D	-1 (D.	-!1	CAPITAL	BUDGET
Project Status	Ne	ew	Grant Co	nnected?	l Inis	Space	oject				
Infill Area ?	N	lo	N	0	1	otion M	on Wari	abla Sa))		
Short Project Descript	tion					alion ivi	ap (Vari	able Sc	aie)		
The City has entered into a Sanitary Sewer Overflow Initiative (SSOI)									Project S	Schedule	
agreement with the TCE	EQ to reduce th	e occurance o	f SSOs. This	project is in						START	FINISH
support of the requirem	ents of the SSC	Ol agreement.								Property A	Acquisition
		_									•
										Const	ruction
			ANN	UAL PROJEC	T COST					2016	2016
D : 10 1	5: 1/	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total		
Property Acquisition		Ŭ		·		·	·		\$0	Furnishings	& Equipment
Construction					\$800,000				\$800,000		
Professional Services					\$200,000				\$200,000	Contingen	cy & Other
Furnishings & Equip.									\$0		
Contingency & Other									\$0	TOTAL S	CHEDULE
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	2016	2016
			ANNU	JAL PROJEC	T FUNDS					TOTAL PRO	JECT
Danie of Francisco	Duian Vasus	2013	2014	2015	2016	2017	2018	Beyond	Total		
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total		
General			-	-		-			\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation					\$1,000,000				\$1,000,000	Camatuuati	
Water									\$0	Construction	\$800,000
Federal/State									\$0	Professional	
Other									\$0	Services	200,00
Unfunded									\$0	Furnishings &	
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	Equipment	\$0
	NET IMPACT ON OPERATING BUDGET										
Revenue										Other	\$0

TOTAL

\$1,000,000

Project Title:	SSOI - Slipline	Upgrades			Water / Wastwater						
Project Number:	8060-16-01										
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018		
	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0		
Detailed Project Desc	ription:		-	-			-				



The City has over 600 miles of wastewater collection mains in operation. The Wastewater Collection System Master Plan has identified numerous sections of piping that are in need of repair, upgrading, or upsizing. Some of this work is done in the annual operating budget, but some projects are outside its scope. This multi-year program allows for these larger projects.

Insertion lining allows for a means of renovation that minimizes open trench cuts due to limited access from proximity to buildings, roadways, or other structures.

Project Timeline:

SSOI - Slipline Upgrades

		20	16			20	17	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

Project Category:	Water / Wast	water					Location Map				% .		
Department:	Water Utilitie	s					•				//		
Project Title:	Buck Creek P	ump Station F	Rehab							////	,,,,		
Project Number:	8070-16-01	•								////	*IIII		
Location:	Buck Creek P	ump Station								CITY OF	ABILENE		
Project Source	Dept	Bond	Citizen	Board						20	16		
Check one	Х				TI::-	0	D	-1 (D-		CAPITAL BUDGET			
Project Status	Ne	ew	Grant Co	nnected?	I NIS	Space	oject						
Infill Area ?	N	lo	N	lo	1.00	otion NA	on Mari	abla Sa	رمام)				
Short Project Descrip	Location Map (Variable Scale)												
Improvemetns to the So		Station of the I	Buck Creek P	ump Station						Project S	Schedule		
to increase pumping ca				•						START	FINISH		
										Property A	Acquisition		
I										-,, -	1		
										Const	ruction		
			ANN	UAL PROJEC	T COST					2016	2017		
		2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services		
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2016	2016		
Property Acquisition			110411001		110901001	110401001	110401001		\$0		& Equipment		
Construction					\$1,600,000				\$1,600,000	. u.i.i.ge	<u></u>		
Professional Services					\$400,000				\$400,000	Contingen	cv & Other		
Furnishings & Equip.					ψ.ου,ουσ				\$0	<u> </u>	9 0.0		
Contingency & Other									\$0	TOTAL SO	CHEDULE		
Total	\$0	\$0	\$0	\$0	\$2.000.000	\$0	\$0	\$0	\$2,000,000	2016	2017		
	7-	, , , , , , , , , , , , , , , , , , ,	ANNI	JAL PROJECT	+ ,,	7.	, , , ,	+-	+ =,000,000	TOTAL PRO	JECT		
		2013	2014	2015	2016	2017	2018	Beyond		1017.211.0			
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total				
General		Daaget	request	request	request	Request	request	2010	\$0	Property			
Bonds									\$0	Acquisition	\$0		
Cert. of Obligation					\$2,000,000				\$2,000,000		ΨΟ		
Water					Ψ2,000,000				\$2,000,000	Construction	\$1,600,000		
Federal/State									\$0	Professional	ψ1,500,000		
Other									\$0	Services	400,000		
Unfunded									\$0	Furnishings &	400,000		
Total	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000	Equipment	\$0		
	, ,,		* -	T ON OPERA	. , ,	* -	ψ0	+ 0	+=,::00,000	Contingency &	ΨΟ		
Revenue				. SIT SI EILA		•				Other	\$0		
Reveilue											ψ0		

TOTAL

\$2,000,000

Project Title:	Buck Creek P	ump Station R	Rehab		Water / Wastwater							
Project Number:	8070-16-01											
Froject Number: Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018			
	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$2,000,000	\$0			
Detailed Project Desc	rintion:		-	-	•		•	•				



The Buck Creek Pump Station has a Screw Pump Lift Station that lifts sewage from the deep 48inch Interceptor into the Buck Creek Pump Station facilities. The project is to select pumps, design necessary improvements, and then renovate the lift station in order to install the new pump(s) to add capacity to the Screw Pump Lift Station. Under current operations the normal daily peak flows and also stormwater inflows during rain events are stored in the 48inch Interceptor and then withdrawn during periods of low sewer flows. The Project will relieve the storage of sewage in the piping, improve flow characteristics in the 48inch Interceptor, and better utilize the storage capacity within the two existing concrete basins at the Buck Creek Facility.

Project Timeline: Buck Creek Pump Station Rehab

_									
		20	16	•		20)17		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Design									
Bid & Contract									
Construction									ĺ

Project Category:	Water / Wast	water					Location Map			//	,		
Department:	Water Utilitie	s								<i>///</i>	/		
Project Title:	NE WTP Clea	rwell 5.0 MG								////	****		
Project Number:	8040-17-01									//// *\\\\			
Location:	NE WTP									CITY OF A	ABILENE		
Project Source	Dept	Bond	Citizen	Board						20	17		
Check one	X					_	_			CAPITAL	BUDGET		
Project Status	Dela	ved	Grant Co	nnected?	l his	Space	olect						
Infill Area ?	N			lo		•			-				
Short Project Descrip	tion			-	LOC	cation Ma	ap (van	able Sca	aie)				
Renovate the original 5		at the Northe	ast WTP to ac	ldress issues						Project S	Schedule		
with the aging facility.										START	FINISH		
man and aging radiity.											Acquisition		
										opo.ty /			
										Const	ruction		
			ANN	UAL PROJEC	T COST					2015	2016		
	I	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services		
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2015	2016		
Property Acquisition									\$0		& Equipment		
Construction						\$1,200,000			\$1,200,000	3-			
Professional Services						\$300,000			\$300,000	Contingen	cy & Other		
Furnishings & Equip.						, ,			\$0				
Contingency & Other									\$0	TOTAL SO	CHEDULE		
Total	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000	2015	2016		
			ANNU	JAL PROJECT	T FUNDS					TOTAL PRO	JECT		
	- · ·	2013	2014	2015	2016	2017	2018	Beyond					
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total				
General		3							\$0	Property			
Bonds									\$0	Acquisition	\$0		
Cert. of Obligation						\$1,500,000			\$1,500,000		•		
Water						, , , , , , , , , , , , , , , , , , ,			\$0	Construction	\$1,200,000		
Federal/State									\$0	Professional	ţ , ==,oo		
Other									\$0	Services	300,00		
Unfunded									\$0	Furnishings &	.,		
Total	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000	Equipment	\$0		
			NET IMPAC	T ON OPERA	TING BUDGE	T				Contingency &	*		
Revenue									0	Other	\$0		

TOTAL

\$1,500,000

Expenditures

Project Title:	NE WTP Clea	rwell 5.0 MG			Water / Wastwater					
Project Number:	8040-17-01									
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018	
	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000	\$0	
Detailed Project Desc	ription:		-	-		•		-		



Renovate the original 5.0 MG clearwell at the Northeast WTP to address issues with the aging facility. Work involves repairing concrete blemishes, caulking seams and sealing crack typical of aged concrete structures. The project might also include installing a new domed roof on the clearwell to bring the clearwell into compliance with current TCEQ design standards.

Project Timeline: NE WTP Clearwell 5.0 MG

		20	17		2018				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Design									
Bid & Contract									
Construction									

Project Category:	Water / Wast	water					Location Map				% .	
Department:	Water Utilitie	S					-				//	
Project Title:	SCADA Syste	em Upgrades										
Project Number:	8040-17-02									////	*IIII	
Location:	Grimes, NE &	Hargesheime	er WTPs							CITY OF	ABILENE	
Project Source	Dept	Bond	Citizen	Board						20	17	
Check one	X					_	_			CAPITAL BUDGET		
Project Status	Ne	ew	Grant Co	nnected?	I his	Space	oject					
Infill Area ?	N	lo	N	lo		•			-			
Short Project Descrip	tion		•		LOC	auon w	ap (Vari	able Sc	aie)			
The City's SCADA (Sup		ol And Data Ac	cquisition) syst	em has aged						Project S	Schedule	
to the point that parts a	•			•						START	FINISH	
designed to upgrade the										Property A	Acquisition	
treatment plants (WTPs		· ·										
. ,	,									Const	ruction	
			ANN	UAL PROJEC	T COST					2016	2018	
	1	2013	2014	2015	2016	2017	2018	Beyond			al Services	
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2016	2018	
Property Acquisition			quoot	110401001	11094000	quoot	11040.000		\$0		& Equipment	
Construction									\$0	. u.i.i.ge	s. <u>_ q</u> a.po	
Professional Services						\$200,000	\$200,000		\$400,000	Contingen	cy & Other	
Furnishings & Equip.						\$1,300,000	\$1,300,000		\$2,600,000	gon	.,	
Contingency & Other						, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , ,		\$0	TOTAL SO	CHEDULE	
Total	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$0	\$3,000,000	2016	2018	
			ANNU	JAL PROJECT	T FUNDS			·	. , , ,	TOTAL PRO	JECT	
		2013	2014	2015	2016	2017	2018	Beyond				
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total			
General			quooi	110401001		quoot	11040.001		\$0	Property		
Bonds									\$0	Acquisition	\$0	
Cert. of Obligation						\$1,500,000	\$1,500,000		\$3,000,000	•	Ψ	
Water						ψ.,ουσ,ουσ	\$1,000,000		\$0	Construction	\$0	
Federal/State									\$0	Professional	4.5	
Other									\$0	Services	400,00	
Unfunded									\$0	Furnishings &	,00	
Total	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$0	\$3,000,000	Equipment	\$2,600,000	
	NET IMPACT ON OPERATING BUDGET								Contingency &	+ ,,		
Revenue			1				I			Other	\$0	
	+										# 0.000.000	

TOTAL

\$3,000,000

Project Title:	SCADA Syste	m Upgrades				Wa	ter / Wastw	ater	
Project Number:	8040-17-02								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$3,000,000	\$0
Detailed Project Desc	crintion:		-	•		•	-	•	



The City's SCADA (Supervisory Control And Data Acquisition) system has aged to the point that parts and support are becoming hard to obtain. This project is designed to upgrade the central SCADA components at the Grimes WTP and the Northeast water treatment plant (WTP). The SCADA system allows for all automation functions of the water treatment processes and includes remote monitoring and control of raw water pumping and treated water storage and pumping facilities. SCADA also includes live data display, trending, and data storage functions necessary for Quality Control and compliance with the regulations.

Work will include replacement of SCADA related software and hardware at the Grimes WTP, Hargesheimer WTP, and the NE WTP and possibly moving data storage to the NE WTP.

Project Timeline: SCADA System Upgrades

		20	17		2018					
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Design										
Bid & Contract										
Construction										

Project Category:	Water / Wast	water					Location Map			//	· .
Department:	Water Utilitie	s									'
Project Title:	Highland Elev	ated Storage	Tank							////	
Project Number:	8050-17-01									//// *	:WL
Location:	NE WTP									CITY OF A	BILENE
Project Source	Dept	Bond	Citizen	Board						20	17
Check one	X					_	_			CAPITAL	BUDGET
Proiect Status	Dela	ved	Grant Co	nnected?	l his	Space	Reserve	ed for Pr	oject		
Infill Area ?	N		N	lo		-	-				
Short Project Descript	tion		L		LOC	auon w	ap (Vari	able Sca	aie)		
Annual tank inspections		maintenance	issues neede	d to protect						Project S	Schedule
the structural integrity o										START	FINISH
ensure water quality.	e erereige re			,						Property A	Acquisition
, , , , , , , , , , , , , , , , , , , ,											
										Consti	ruction
			ANN	UAL PROJEC	T COST					2017	2017
	,	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2017	2017
Property Acquisition		<u> </u>							\$0	Furnishings	& Equipment
Construction						\$1,000,000			\$1.000.000	J	
Professional Services									\$0	Contingen	cy & Other
Furnishings & Equip.									\$0	J	
Contingency & Other									\$0	TOTAL SO	CHEDULE
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	2017	2017
			ANNU	JAL PROJECT	T FUNDS					TOTAL PRO	JECT
		2013	2014	2015	2016	2017	2018	Beyond			
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total		
General					,		·		\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation						\$1,000,000			\$1,000,000		
Water									\$0	Construction	\$1,000,000
Federal/State									\$0	Professional	,
Other									\$0	Services	
Unfunded									\$0	Furnishings &	
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	Equipment	\$6
	•		NET IMPAC	T ON OPERA	TING BUDGE	T				Contingency &	,
Revenue									0	Other	\$
									_		A

TOTAL

\$1,000,000

Expenditures

Project Title:	Highland Eleva	ated Storage	Tank			Wat	er / Wastv	water	
Project Number:	8050-17-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000	\$0
Detailed Project Desc	ription:		-	-		-			



Annual tank inspections have identified maintenance issues needed to protect the structural integrity of the storage facilities, extend their useful life, and ensure water quality.

Work will include: structural repairs, abrasive blasting, application of corrosion resistant coating on interiors, and application of paint on exteriors.

Project Timeline: Highland Elevated Storage Tank

		20	17		2018				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Design									
Bid & Contract									
Construction									

Project Category:	Water / Wast	water					Location Map				<u></u>
Department:	Water Utilitie	s									// /
Project Title:	Dyess 16" Rel	location									
Project Number:	8050-17-02									////	*IIII
Location:										CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board						20	17
Check one	X				TI.:-	0	D	-1 (D.	-:	CAPITAL	BUDGET
Project Status	Dela	yed	Grant Co	nnected?	I NIS	Space	Reserve	ea tor Pr	oject		
Infill Area ?	N	0	N	lo	1.00	otion M	رمام)				
Short Project Descript	tion				LOC	ation M	ap (van	able Sc	aie)		
Relocation of the existing		water distribu	tion pipeline s	erving the						Project S	Schedule
Dyess Air Force Base for	•			J						START	FINISH
•		•								Property A	Acquisition
										1	<u> </u>
										Const	ruction
			ANN	UAL PROJEC	T COST					2017	2017
		2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2017	2017
Property Acquisition		Daagot	Hoquoot	rioquooi	rtoquoot	rioquooi	rtoquoot	20.0	\$0		& Equipment
Construction						\$1,200,000			\$1,200,000	. uninerninge	<u> qu.pe</u>
Professional Services						\$300,000			\$300,000	Contingen	cy & Other
Furnishings & Equip.						φοσομοσο			\$0	<u> </u>) u. uu.
Contingency & Other									\$0	TOTAL SO	CHEDULE
Total	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000	2017	2017
		* -	ANNI	JAL PROJECT	T FUNDS	+ ,,	* -	* -	* ,,	TOTAL PRO	JECT
		2013	2014	2015	2016	2017	2018	Beyond			
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total		
General	+	244901						20.0	\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation						\$1,500,000			\$1,500,000		Ψ.
Water						Ţ.,CCC,CCC			\$0	Construction	\$1,200,000
Federal/State									\$0	Professional	Ţ:,=::,oo
Other									\$0	Services	300,00
Unfunded									\$0	Furnishings &	
Total	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000	Equipment	\$0
			-	Contingency &	, , , , , , , , , , , , , , , , , , ,						
Revenue				T ON OPERA					0	Other	\$0

TOTAL

\$1,500,000

Project Title:	Dyess 16" Rel	location				Water / Wastwater					
Project Number:	8050-17-02										
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018		
	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000	\$0		
Detailed Project Desc	rintion:		-	-		•		•			



Relocation of the existing 16" diameter water distribution pipeline serving the Dyess Air Force Base from the second pressure plane. The existing 16" concrete cylinder pipeline was installed over 50 years ago, prior to much of the development on the west side of Abilene. That pipeline exists in utility easements. However, subsequent development resulted in numerous private residences being platted and built immediately adjacent to the pipeline. Also, there are many locations where there is very limited access to the pipeline due to the close proximity to residences. There are limited instances where the pipeline actually exists beneath private residences. This project would eliminate these concerns by installing a new pipeline along a more uncongested route such as within the City streets and rights-of-way.

Project Timeline: Dyess 16" Relocation

		20	17		2018					
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Design										
Bid & Contract										
Construction										

Project Category:	Water / Wast	water					Location Map				% .
Department:	Water Utilitie	s					-			<i>//</i>	//
Project Title:	SSOI - Sewer	Rehab									
Project Number:	8060-17-01									////	*IIII
Location:	various location	ons								CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board						20	17
Check one	X					_	_			CAPITAL	BUDGET
Project Status	Dela	yed	Grant Co	nnected?	I NIS	Space	Reserve	ed for Pr	oject		
Infill Area ?		lo	N	lo	1.00	otion M	رمام)				
Short Project Descrip	tion				LUC	alion ivi	ap (Vari	able Sc	aie)		
Rehabilitation, repair or	replacement of	f select section	ns of sewer ma	ain piping as						Project Schedule	
required by the City's S	anitary Sewer C	Overflow Initiat	ive Agreemen	t with the						START	FINISH
Texas Commission on			J							Property A	Acquisition
		-								. ,	·
										Const	ruction
				2017	2017						
	1	2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total		
Property Acquisition									\$0	Furnishings	& Equipment
Construction						\$400,000	\$400,000		\$800,000		
Professional Services						\$100,000	\$100,000		\$200,000	Contingen	cy & Other
Furnishings & Equip.									\$0		
Contingency & Other									\$0	TOTAL SO	CHEDULE
Total	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0	\$1,000,000	2017	2017
	-		ANNU	JAL PROJECT	T FUNDS	-				TOTAL PRO	JECT
5	. v	2013	2014	2015	2016	2017	2018	Beyond			
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total		
General					•				\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation						\$500,000	\$500,000		\$1,000,000	2	
Water									\$0	Construction	\$800,000
Federal/State									\$0	Professional	·
Other									\$0	Services	200,00
Unfunded									\$0	Furnishings &	
Total	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0	\$1,000,000	Equipment	\$0
	NET IMPACT ON OPERATING BUDGET									Contingency &	
Revenue									0	Other	\$0
	1								_	T0.T41	#4 000 000

0

TOTAL

\$1,000,000

Project Title:	SSOI - Sewer	Rehab				Water / Wastwater					
Project Number:	8060-17-01										
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018 \$1,000,000	Beyond 2018		
	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$1,000,000	\$0		
Detailed Project Desc	ription:		-			-	-	-			



Rehabilitation, repair, or replacement of select sections of sewer main piping as required by the City's Sanitary Sewer Overflow Initiative Agreement with the Texas Commission on Environmental Quality. During operation and maintenance activities the City staff identifies problem areas within the City's existing wastewater collection system that might result in sanitary sewer overflows. Staff works with a Professional Engineer to develop rehabilitation, repair, or replacement projects to correct those problem areas. The City of Abilene is required to complete 10,000 linear feet of sewer main upgrades within the ten year term of the Agreement.

Project Timeline: SSOI - Sewer Rehab

		20	17		2018					
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Design										
Bid & Contract								i !		
Construction										

Project Category:	Water / Wast	water					Location Map			,	7 .
Department:	Water Utilitie	s									//
Project Title:	Lake Abilene	Dam & Levee	Maintenance							///	,,,,
Project Number:	8030-18-01										*IIII
Location:	Lake Abilene									CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board						20	18
Check one	X					_				CAPITAL	BUDGET
Project Status	Dela	iyed	Grant Co	nnected?	I NIS	Space	Reserve	ea for Pr	oject		
Infill Area ?	N	0	N	lo	1.00	otion NA	ر مام				
Short Project Descrip	tion				LOC	ation M	aie)				
Recent inspections by t		ated deteriation	n due to erosio	on and						Project S	Schedule
vegetative growth. A si										START	FINISH
driving this multi-year p		,		1						Property A	Acquisition
у	,										- 1
										Const	ruction
				2017	2018						
		2013	2014	UAL PROJEC 2015	2016	2017	2018	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2010	2018
Property Acquisition		<u> </u>	Roquoot	rioquooi	rtoquoot	Roquoot	Roquoot	20.0	\$0		& Equipment
Construction							\$2,400,000		\$2,400,000	1 dirilorninge	а Ечариюн.
Professional Services							\$600,000		\$600,000	Contingen	cv & Other
Furnishings & Equip.							ψοσο,σσσ		\$0	Containgon	oy a outloi
Contingency & Other									\$0	TOTAL SO	CHEDULE
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$0	\$3,000,000	2010	2018
	Ψ	Ψ3	7.	JAL PROJECT	7.0	ψ	φοισσοίσσο	40	40,000,000	TOTAL PRO	
		2013	2014	2015	2016	2017	2018	Beyond		TOTALTRO	0201
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total		
Osmanal		Buugei	Request	Request	Request	Request	Request	2010	\$0		
General Bonds									\$0 \$0	Property Acquisition	\$0
Cert. of Obligation							\$3,000,000		, -	Acquisition	Φυ
Water							\$3,000,000		\$3,000,000 \$0	Construction	\$2,400,000
Federal/State									\$0	Professional	\$2,400,000
Other									\$0 \$0	Services	600,00
Unfunded									\$0	Furnishings &	000,00
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$0	\$3,000,000	Equipment	\$0
ı viai	ΨΟ	ΨΟ	+ -	T ON OPERA	+ -		ψ3,000,000	ΨΟ	ψ5,000,000		Φυ
D	1		NET INFAC	I ON OFERA	טטטט פאוויו	. 1	1		2	Contingency & Other	ው ር
Revenue									0	Other	\$0

0

TOTAL

\$3,000,000

Project Title:	Lake Abilene I	Dam & Levee	Maintenance			W	ater / Wastw	ater	
Project Number:	8030-18-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$0	\$0	\$0	2017 2018 2018	\$0	
Detailed Project Desc	rintion:		-	-			-	•	



Recent inspections by the TCEQ indicated the dams at Lake Kirby, Lake Abilene and Lake Ft. Phantom Hill have experienced some deteriation due to erosion and vegetative growth. The inspections recommended corrective action by the City to prevent more serious structural deteriation. Freese & Nichols is currently designing the necessary improvements.

Work on the project could include: slope stabilization, erosion repair, brush removal, brush control, addition/replacement of rip rap, spillway and outlet structure improvements, seepage system relief drain repairs, and other work as identified by Freese & Nichols.

Project Timeline: Lake Abilene Dam & Levee Maintenance

		20	18			20	19	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

Project Category:	Water / Wast	water					Location Map				/
Department:	Water Utilitie	s					•			<i>//</i>	// /
Project Title:	Buffalo Gap 2	0" Replaceme	nt								/
Project Number:	8050-18-01	•								////	<i>*</i>
Location:										CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board						20	18
Check one	X					_	_			CAPITAL	BUDGET
Project Status	Dela	yed	Grant Co	nnected?	I NIS	Space	Reserve	ea for Pr	oject		
Infill Area ?	N	0	N	lo	1.00	otion NA	on Wari	abla Sa	ر مام		
Short Project Descrip	tion				LOC	auon w	ap (Vari	able Sca	aie)		
Replacement and reloc		sting 20" diame	eter water dist	ribution						Project S	Schedule
pipeline paralleling Buff		Ü								START	FINISH
	•										Acquisition
										<u> </u>	
										Const	ruction
			ANN	UAL PROJEC	T COST					2017	2017
		2013	2014	2015	2016	2017	2018	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total	2017	2017
Property Acquisition			1104000	1109000	1104000	quoot	11040.000		\$0		& Equipment
Construction							\$1,200,000		\$1,200,000	· uninge	s. <u>q</u> a.po
Professional Services							\$300,000		\$300,000	Contingen	cy & Other
Furnishings & Equip.							φοσοίσσο		\$0	g an in i gair	o, a. oo.
Contingency & Other									\$0	TOTAL SO	CHEDULE
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000	2017	2017
		* -	ANNI	JAL PROJECT	FUNDS		+ ,,	, -	+ ,,	TOTAL PRO	JECT
		2013	2014	2015	2016	2017	2018	Beyond			
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2018	Total		
General		Daaget	request	request	Request	request	Request	2010	\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation							\$1,500,000		\$1,500,000	7.004	Ψ
Water							ψ1,500,000		\$1,500,000	Construction	\$1,200,000
Federal/State									\$0	Professional	ψ1,200,000
Other									\$0	Services	300,00
Unfunded									\$0	Furnishings &	000,00
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000	Equipment	\$(
- 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	ΨŪ			T ON OPERA			+ 1, 230,000	+ 0	+:,=50,000	Contingency &	Ψ
Revenue				. SIT OF LIKE		 I	ı		0	Other	\$0
Revenue									U		φ(

0

TOTAL

\$1,500,000

Project Title:	Buffalo Gap 20)" Replaceme	ent			W	ater / Wastw	ater	
Project Number:	8050-18-01								
Funding Request	Prior Years	2013	2014	2015	2016	2017	2018	Total 2014- 2018	Beyond 2018
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$0
Detailed Project Des	crintion:		-	-		-	•	•	



Replacement and relocation of the existing 20" diameter water distribution pipeline paralleling Buffalo Gap Road. The existing 20" cast iron pipeline was installed about 90 years ago, prior to most of the development on the south side of Abilene. The age and condition of that pipeline justify its replacement for improved reliability and water quality. That pipeline exists in utility easements. However, subsequent development resulted in numerous private residences being platted and built immediately adjacent to the pipeline. Also, there are many locations where there is very limited access to the pipeline due to the close proximity to residences. There are limited instances where the pipeline actually exists beneath private residences. This project would eliminate these concerns by installing a new pipeline along a more uncongested route such as within the City streets and rights-of-way.

Project Timeline: Buffalo Gap 20" Replacement

		20	18			20	19	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

Project Category:	Water / Wastv	water				L	ocation Map				.
Department:	Water Utilities	s					•				//
Project Title:	Phantom Intak	ke Structure In	nprovements							///	
Project Number:	8030-19-01		•							////	+1111
Location:	Lake Ft. Phan	tom Hill								CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board						20	19
Check one	X				Tu:-	0	D	-1 (D-		CAPITAL	BUDGET
Project Status	Dela	yed	Grant Co	nnected?	l inis	Space	Reserve	ea for Pr	oject		
Infill Area ?	N	0	N	lo	1 00	otion N/	on Mari	abla Ca	ر مام		
Short Project Descript	tion				LOC	ation Ma	ap (van	able Sca	aie)		
This project will allow for		pumping and	extend the us	seful life of						Project S	chedule
the Lake Ft. Phantom F										START	FINISH
										Property A	cauisition
										Constr	uction
			ANN	UAL PROJEC	T COST					2018	2018
	1	2014	2015	2016	2017	2018	2019	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2019	Total	2018	2018
Property Acquisition											
									\$0	Furnishings of	& Equipment
Construction							\$1.600.000		7 -	Furnishings	& Equipment
							\$1,600,000 \$400,000		\$0 \$1,600,000 \$400,000		' '
Construction							. , ,		\$1,600,000	Furnishings Contingen	' '
Construction Professional Services							. , ,		\$1,600,000 \$400,000		cy & Other
Construction Professional Services Furnishings & Equip.	\$0	\$0	\$0	\$0	\$0	\$0	. , ,	\$0	\$1,600,000 \$400,000 \$0	Contingen	cy & Other
Construction Professional Services Furnishings & Equip. Contingency & Other	\$0	\$0	+ -	\$0 JAL PROJEC	, -	\$0	\$400,000	\$0	\$1,600,000 \$400,000 \$0 \$0	Contingen TOTAL SO	cy & Other CHEDULE 2018
Construction Professional Services Furnishings & Equip. Contingency & Other Total		\$0 2014	+ -	+ -	, -	\$0	\$400,000	* -	\$1,600,000 \$400,000 \$0 \$0 \$2,000,000	Contingen TOTAL SO 2018	cy & Other CHEDULE 2018
Construction Professional Services Furnishings & Equip. Contingency & Other	\$0	2014	2015	JAL PROJEC	T FUNDS 2017	2018	\$400,000 \$2,000,000 2019	\$0 Beyond 2019	\$1,600,000 \$400,000 \$0 \$0	Contingen TOTAL SO 2018	cy & Other CHEDULE 2018
Construction Professional Services Furnishings & Equip. Contingency & Other Total Project Funding		* -	ANNU	JAL PROJEC 2016	T FUNDS	* -	\$400,000	Beyond	\$1,600,000 \$400,000 \$0 \$0 \$2,000,000	Contingen TOTAL SO 2018 TOTAL PRO	cy & Other CHEDULE 2018
Construction Professional Services Furnishings & Equip. Contingency & Other Total		2014	2015	JAL PROJEC 2016	T FUNDS 2017	2018	\$400,000 \$2,000,000 2019	Beyond	\$1,600,000 \$400,000 \$0 \$0 \$2,000,000	Contingen TOTAL SO 2018	CHEDULE 2018 JECT
Construction Professional Services Furnishings & Equip. Contingency & Other Total Project Funding General Bonds		2014	2015	JAL PROJEC 2016	T FUNDS 2017	2018	\$400,000 \$2,000,000 2019	Beyond	\$1,600,000 \$400,000 \$0 \$0 \$2,000,000 Total	Contingen TOTAL SO 2018 TOTAL PRO Property Acquisition	cy & Other CHEDULE 2018
Construction Professional Services Furnishings & Equip. Contingency & Other Total Project Funding General		2014	2015	JAL PROJEC 2016	T FUNDS 2017	2018	\$400,000 \$2,000,000 2019 Request	Beyond	\$1,600,000 \$400,000 \$0 \$0 \$2,000,000 Total	Contingen TOTAL SC 2018 TOTAL PRO Property	CHEDULE 2018 JECT

\$0

\$2,000,000

\$0

\$0

0

\$2,000,000

\$0

Services

Furnishings & Equipment

Contingency & Other

TOTAL

\$400,000

\$2,000,000

\$0

\$0

Other

Unfunded

Total

Revenue

Expenditures

\$0

\$0

NET IMPACT ON OPERATING BUDGET

Project Title:	Phantom Intal	ke Structure Ir	mprovements			Wa	ater / Wastw	ater	
Project Number:	8030-19-01				1				
Funding Request	Prior Years	2014	2015	2016	2017	2018	2019	Total 2014- 2019	Beyond 2019
	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000	\$0
Detailed Project Desc	rintion:					•		-	



Detailed Project Description:

The project involves the installation of pump containment canisters equiped with multiple gates strategically located to allow selective withdrawal of water from various depths within the lake. The project also includes the downsizing of one pump and associated VFD speed control, to improve flexibility of operations including the coordinated pumping with the WCTMWD from Hubbard Creek Reservoir.

Project Timeline: Phantom Intake Structure Improvements

		20	19			20	20	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

Project Category:	Water / Wast	water				l	Location Map) ,
Department:	Water Utilitie	S								///	
Project Title:	Prison Paralle	l Line Install									,,,,
Project Number:	8050-19-01									////	HIII
Location:										CITY OF	ABILENE
Project Source	Dept	Bond	Citizen	Board						20	19
Check one	X				Th:-	0	D	l f D	-!4	CAPITAL	BUDGET
Project Status	Dela	yed	Grant Co	nnected?	i nis	Space	Reserve	ea for Pr	oject		
Infill Area ?	N	0	N	0	1.00	ation M	ap (Vari	abla Sa			
Short Project Descript	tion				LUC	alion ivi	ap (van	able Sc	ale)		
Installation of a parallel	pipeline along E	East Lake Roa	d from the No	rtheast						Project S	chedule
Water Treatment Plant										START	FINISH
	•	-								Property A	cquisition
										, ,	,
										Constr	uction
			ANN	UAL PROJEC	T COST					2017	2017
		2014	2015	2016	2017	2018	2019	Beyond		Profession	al Services
Project Costs	Prior Years	Budget	Request	Request	Request	Request	Request	2019	Total	2017	2017
Property Acquisition		Daaget	Roquoot	Roquoot	Roquoot	Roquoot	rtoquoot	20.0	\$0	Furnishings (
Construction							\$800,000		\$800,000	· age	<u> </u>
Professional Services							\$200,000		\$200,000	Contingen	cv & Other
Furnishings & Equip.							, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		\$0		
Contingency & Other									\$0	TOTAL SO	CHEDULE
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000	2017	2017
	<u> </u>		ANNU	JAL PROJECT	T FUNDS	•		•		TOTAL PRO	JECT
		2014	2015	2016	2017	2018	2019	Beyond			
Project Funding	Prior Years	Budget	Request	Request	Request	Request	Request	2019	Total		
General		9							\$0	Property	
Bonds									\$0	Acquisition	\$0
Cert. of Obligation							\$1,000,000		\$1,000,000		-
Water							÷:,=50,000		\$0	Construction	\$800,000
Federal/State									\$0	Professional	+ /
Other									\$0	Services	200,00
Unfunded									\$0	Furnishings &	
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000	Equipment	\$0
7 7 7 7	, ,,,	**	+ -	T ON OPERA	+ -	·	. ,,	7.	. ,,	Contingency &	Ψ

Other

TOTAL

\$0

\$1,000,000

Revenue

Expenditures

Project Title:	Prison Paralle	l Line Install				Wa	ter / Wastw	ater	
Project Number:	8050-19-01								
Funding Request	Prior Years	2014	2015	2016	2017	2018	2019	Total 2014- 2019	Beyond 2019
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$0
Detailed Desired Desar			="	=		=	=	='	



Detailed Project Description:

Installation of a parallel pipeline along East Lake Road from the Northeast Water Treatment Plant to Jones County Road CR 306. The existing pipeline along East Lake Road is a 10" diameter AC pipe that is installed in very rough and rocky terrain which has resulted in several material failures in past years. That section of pipeline is the only pipeline serving the two TDCJ prison facilities to the northeast of Abilene. In order to meet the pressure and quantity needs of those prisons, that pipeline operates at a very high pressure. Pipeline failures can result in loss of water service to the two prison units, which would also affect those City water customers along the east side of Lake Fort Phantom Hill. The new parallel pipeline will add redundancy to the oldest section of pipeline serving the two prison units. A parallel pipeline will relieve some of the high head loss conditions associated with that long pipeline system.

Project Timeline: Prison Parallel Line Install

		20	19			20	20	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

City of Abilene

Water Utilities Department
2015-2019 Capital Improvements Program Budget
HWL 05/22/15

Decoration Representation Column		Project Number/Name	7																			
Fire Nagae Prospher Projects Of 1 Q2 Q3 Q4 Q1 Q4 Q4 Q4 Q4 Q4 Q4 Q4 Q4 Q4 Q4 Q4				2015	5		1	2	2016			20	17		1	20)18			20)19	
INF-1-16 INF- Horsystems	Stage Drought		Q1			Q4	Q1			Q4	Q1			Q4	Q1			Q4	Q1	Q2	Q3	Q4
DRF-1-19 DRF - Honly WITT Improvements																						
IRPF-154 DFF - Kelly Projects											 			-	l							
OBF-1542 DRF-3d Pressure Flance Improvements							†				 				 						[
Scool Stage Prought Projects DRF-1440 DRF-1- For Float Planet Progression DRF-1440 DRF-1- For Float Planet Progression DRF-1440 DRF-1- For Float Planet Planet Progression DRF-1440 DRF-1- Self-researed Float Emprovements DRF-1440 DRF-1- Self-researed Float Emprovements DRF-1450 DRF-1- PR Popular - Will Progression DRF-1540 DRF-1- Engineering Water Production elf-to Saloto SOS-1540 DRF-1540 D							 				 			· 	 		<u> </u>		 		j	
DRP-1-140 DRP-1-140 DRP-1-141 DRP-	13-04 DIG	- Sta Pressure Pane Improvencius		T I										·	 							
DRP-1-1-01 DRP-1-1-02 DRP-1-04 DRP-1	nd Stage Droug	oht Projects		-}										·	 							
DRP-14-00 DRP-1-140 DRP-							 				 			· 	 		<u> </u>					
DRF-14-30 DRF-14-Farge-believer Expansion DRF-14-87 DRF-14-Petrum Petrum							 				 			· 	 		<u> </u>		 			
DRF-1-46 DRF-3 degree representation DRF-1-16 D											 			· 	 		<u> </u>		 		 	
DRF-1-450 DRF- Magle Never From Stational Science							l	L			 			· 	 		ļ				 	
DRP-154 DRP-FK Pipeline - BKA Pipeline DRP-1542 DRP-FK WITP DRP-1542 DRP-FK WITP DRP-1542 DRP-FK WITP DRP-1542 DRP-FK WITP DRP-1543 DRP-F Anginering DRP-F Anginering								<u> </u>			 				 		ļ					
DRF-15-00 DRF-					<u> </u>			 						. 	 		ļ				 	
DRP-15-02 DRP - Engineering								 						. 	 						 	
DRP - 15-90 DRP - Esceneral Acquisition								<u> </u>			 				 		ļ	<u>.</u>			 	
DRP - 1-5-04 DRP - 1-5-seement Acquisition								<u> </u>			 				 		ļ	<u>.</u>			 	
Non-Brought CTP Projects				-						<u> </u>					 		<u> </u>		.		{	
Water Production Si30-15-01 Kirly Dam & Levee Maintenance Si30-15-02 Lake P. Phanton Hill Dam & Levee Maintenance Si30-16-01 Nie System Electrical Swich Station Si30-16-01 Lake Abitine Dam & Levee Maintenance Si30-16-01 Lake Abitine Dam & Levee Maintenance Si30-16-01 Lake Abitine Dam & Levee Maintenance Si30-18-01	-15-04 DKP	P - Easement Acquisition		4											 		<u> </u>					
Water Production Side Production Side Production Side Production Side Production Side Production Side Production Side Side Production Side Si			—					l		<u> </u>					 		<u> </u>		.		{	
Water Production Si30-15-01 Kirly Dam & Levee Maintenance Si30-15-02 Lake P. Phanton Hill Dam & Levee Maintenance Si30-16-01 Nie System Electrical Swich Station Si30-16-01 Lake Abitine Dam & Levee Maintenance Si30-16-01 Lake Abitine Dam & Levee Maintenance Si30-16-01 Lake Abitine Dam & Levee Maintenance Si30-18-01	D	N					_	 									ļ				{	
Water Production	Drought CIP Pi			<u>-</u>				 			ļ				 		<u> </u>				 	
Side Side		water Administration		-}											 		<u> </u>				{	
Side Side		W-4 D J 41		<u> </u>							ļ				 		ļ				 	
S030-16-01 Lake P. Phantom Hill Dam & Leves Maintenance S030-16-01 Phantom Intake Structure Improvements S030-16-01 Phantom Intake Structure Improvements S030-19-01 Phantom Intake Structure Intake	15 01 IV: 1						<u> </u>								 		ļ				 	
S030-18-01 Ivis System Electrical Suition Station															 		ļ				 	
S030-18-01 Lake Abliene Dam & Levee Maintenance															 		ļ		 		<u> </u>	
Society				<u>-</u>					T	T									<u> </u>			
Water Treatment							_	<u> </u>									T	<u> </u>	<u> </u>			
S040-16-02 Monofil Studge Disposal Site	-19-01 Phan	ntom intake structure improvements									 			. 	 		<u> </u>					;
S040-16-02 Monofil Sludge Disposal Site S040-16-02 Chemical Feed Systems - NE & Grimes WTPs S040-17-02 SCADA System Uggrades SCADA Syste		Water Treetment					 	<u> </u>			 				 		ļ				 	
Sold-16-02 Chemical Feed Systems - NE & Grimes WTPs Sold-17-01 NE-WTP Clearwell 5.0 MG SCADA System Upgrades Sold-17-02 Elmdale Pump Station Sold-18-101 Sold-18-101 Elmdale Pump Station Sold-18-101	16.01 Mon			<u>.</u>										· 	 		ļ					
S040-17-01 NE-WTP Clearwell 5.0 MG S040-17-02 SCADA System Upgrades															 		<u> </u>					
Water Distribution			 														<u> </u>		 		 	
Water Distribution			 				 	 									<u> </u>		 		 	
S050-15-01 Elmdale Pump Station Elmdale	-17-02 SCA	ADA System Opgrades	 	<u></u>			 	<u> </u>						1	ı		<u> </u>		 			
S050-15-01 Elmdale Pump Station Elmdale		Water Distribution									 				 		 				 	
Substitution Subs	.15_01 Elmd						<u> </u>				 				 						 	
S050-16-02 Grimes Ground Storage Tank				T			1								 						 	
Note			—	-}										· 	 		<u> </u>		 			
8050-17-02 Dyess 16" Relocation				-}					1	T							}					
8050-18-01 Buffalo Gap 20" replacement		=		-}			-										}					
Note							-							T	<u>_</u>						·	
Wastewater Collection 8060-16-01 SSOI - Slipline Upgrades 8060-17-01 SSOI - Sewer Rehab Wastewater Treatment 8070-15-01 Hamby Septic Waste Disposal Station		on Parallal I ina Install		-}			-				 						Ι	T	<u> </u>			;
8060-16-01 SSOI - Slipline Upgrades 8060-17-01 SSOI - Sewer Rehab Wastewater Treatment 8070-15-01 Hamby Septic Waste Disposal Station	17-01 11180	on i manoi Line motan									 			·	 		ļ					
8060-16-01 SSOI - Slipline Upgrades 8060-17-01 SSOI - Sewer Rehab Wastewater Treatment 8070-15-01 Hamby Septic Waste Disposal Station		Wastewater Collection									 			 	 		}				j	
8060-17-01 SSOI - Sewer Rehab	16-01 \$501										 			 	 		}					
Wastewater Treatment 8070-15-01 Hamby Septic Waste Disposal Station	17-01 5501	OL - Sewer Rehah	 																			
8070-15-01 Hamby Septic Waste Disposal Station	17-01 330	71 - SCWCI NCHAU	 				 	l							<u> </u>			<u> </u>			 	
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8070-16-01 Buck Creek PS Rehab	16 01 — Папп	le Crook DS Doboh													{ -		<u> </u>		 			
00/0-10-01 Duck Cicca ed Reliau	-10-01 Buck	N CICCN ES NUIMU									<u> </u>				 		ļ	<u>.</u>			 	