

Agenda Item 5 ESER Program Update



Earthquake Safety and Emergency Response (ESER) General Obligation Bond Programs

Presentation to the Capital Planning Committee

January 25, 2016

Agenda

- ESER 2010 and ESER 2014 Financial Status
- Fire Department
- Police Department • Public Safety Building
 - **•** Traffic Company & Forensic Service Division
 - **Police Facilities**
- Medical Examiner
- Auxiliary Water Supply System



ESER 2010 & 2014 Financials – Savings

\$10.9M ESER 2010 funds available for reallocation from the savings of PSB & Cost of Issuance plus the interest-earned.

- ESER 2010, \$2.3M is proposed to fund NFS Additional Focused Scope projects.
- ESER 2014, the NFS budget is reduced by \$2.3. The impact to the combined budget of NFS 2010 and 2014 is net zero; the \$2.3M is proposed to increase OCME's budget.
- \$8.6M is the savings to be allocated to other ESER 2010 projects.

Public Safety Building	1.7
Cost of Issuance	2.6
Controller's Reserve	2.3
Interest-earned	4.3
Total	10.9
OCME	(2.3)
Total	8.6



ESER 2010 & 2014 Financials – Updated Budget

		0	riginal Budg	et			Up	dated Bu	dget				Sta	itus
Uses	<u>ESER 2010</u>	ESER 2010 Interest	<u>ESER 2014</u>	<u>Other</u> Sources ^(A)	<u>Total</u>	<u>ESER</u> 2010			<u>Other</u> Sources ^(A)	<u>Total</u>	<u>Savings/</u> (Overage)		ESER 2010	ESER 2014
Public Safety Building	236.7			12.1	248.7	235.0			12.1	247.1	1.7	(B)	Complete	
Neighborhood Fire Stations														
Focused Scope	12.2		7.6	0.0	19.8	10.6		7.6	0.0	18.2	1.6		Complete	Construction
Additional Focused Scope			11.3	0.0	11.3	2.3		8.9	0.0	11.3	0.0	(C)	Not started	Not started
Comprehensive Renovation	6.4		4.1	0.0	10.5	7.0		4.1	0.0	11.2	(0.7)		Complete	
Seismic Upgrades														
Station 5	13.8			0.0	13.8	18.7			0.0	18.7	(4.8)		75% CDs	
Station 16	8.8			0.0	8.8	11.5			0.0	11.5	(2.7)		95% CDs	
Station 35, Pier Strengthening & CEQA	10.0			8.3	18.3	0.7			1.0	1.7	16.6			Pre-Design
Station 35			30.6	0.0	30.6			30.6	7.3	37.8	(7.3)		CEQA	
Station 35 Pier 26			2.0	0.0	2.0			2.0	0.0	2.0	0.0			
Station 48 Treasure Island			1.5	1.5	3.0			1.5	1.5	3.0	0.0			Completed
Other Seismic Work	0.8		6.9	0.0	7.7	0.2		6.9	0.0	7.1	0.6			Not started
EMS HQ Planning			0.6	0.0	0.6			0.6	0.0	0.6	0.0			
Project Controls	11.2		9.9	0.0	21.1	11.3		9.9	0.0	21.2	(0.1)		n/a	n/a
Reserve	0.7		9.1	0.0	9.9	3.9		9.1	0.0	13.1	(3.2)		n/a	n/a
Neighborhood Fire Stations Total	64.0	0.0	83.6	9.8	157.4	66.3	0.0	81.2	9.8	157.4	0.0			
Office of the Chief Medical Examiner			63.9	0.0	63.9			66.2	0.0	66.2	(2.3)	(D)		Construction
Traffic Company & Forensic Services Division			162.2	0.0	162.2			162.2	0.0	162.2	0.0			In progress
Police Facilities														
Focused Scope			6.4	0.0	6.4			6.4	0.0	6.4	0.0			In progress
Comprehensive			9.1	0.0	9.1			9.1	0.0	9.1	0.0			Not started
Project Controls			9.5	0.0	9.5			9.5	0.0	9.5	0.0			
Reserve			4.5	0.0	4.5			4.5	0.0	4.5	0.0			
Police Facilities Total	0.0	0.0	29.5	0.0	29.5	0.0	0.0	29.5	0.0	29.5	0.0			
Auxillary Water Supply System	102.4		54.1	0.0	156.5	102.4		54.1	0.0	156.5	0.0		In progress	In progress
Oversight, Accountability, Issuance Costs	6.9		6.8	0.0	13.7	4.3		6.8	0.0	11.1	2.6	(E)	n/a	n/a
Controller's Reserve (Ordinance 60-15)	2.3	4.3		0.0	6.6	2.3	4.3		0.0	6.6	0.0	(F)	n/a	n/a
Total (Millions)	412.3	4.3	400.0	21.9	838.5	410.4	4.3	400.0	21.9	836.6	1.9			

Notes:

(A) Other Sources include: 1992 Fire Facility Bond Funds \$8.3M; PSB Developer Contribution \$6.4M and General Funds \$7.2M (PSB FF&E \$5.7M & NFS Station 48 \$1.5M).

(B) Per Ordinance 60-15, the ESER 2010 PSB's budged was reduced by \$2.3M and was placed on Controller's Reserve. Current PSB's forescast shows an additional savings of \$1.7M.

(C) The NFS 2010 Budget increased by \$2.3M. The NFS 2014 Budget decreased by \$2.3M. The combined NFS 2010 & 2014 budget remained at \$157.4M.

(D) ESER 2014 OCME's budget increased by \$2.3M and it is funded from the NFS 2014 budget reduction.

(E) The ESER 2010 COI's forecast shows a savings of \$2.6M.

(F) The ESER 2010 funds available for reallocation total \$6.6 (Controller's Reserve of \$2.3 and \$4.3 interest-earned)



ESER 2010 & 2014 Financials - Expenditures

		0	riginal Budg	jet			Exper	nditures+En					
Uses	ESER 2010 ESER 2010 Other Interest ESER 2014 Other Sources ^(A) Total ESER 2014		<u>ESER 2010</u>	ESER 2010 Interest	<u>ESER 2014</u>	<u>Other</u> Sources ^(A) <u>Total</u>		<u>Balance</u>	<u>%</u>				
Public Safety Building	236.7			12.1	248.7		235.6			7.4	243.0	5.8	98%
Neighborhood Fire Stations													
Focused Scope	12.2		7.6	0.0	19.8		10.7		1.2	0.0	11.9	7.9	60%
Additional Focused Scope			11.3	0.0	11.3		0.0		0.0	0.0	0.0	11.3	0%
Comprehensive Renovation	6.4		4.1	0.0	10.5		6.8		0.0	0.0	6.8	3.7	65%
Seismic Upgrades													
Station 5	13.8			0.0	13.8		2.3			0.0	2.3	11.5	17%
Station 16	8.8			0.0	8.8		2.3			0.0	2.3	6.6	26%
Station 35, Pier Strengthening & CEQA	10.0			8.3	18.3		0.7			1.0	1.7	16.6	9%
Station 35			30.6	0.0	30.6				0.0	0.4	0.4	30.2	1%
Station 35 Pier 26			2.0	0.0	2.0				0.0	0.0	0.0	2.0	0%
Station 48 Treasure Island			1.5	1.5	3.0				1.4	1.5	2.9	0.1	96%
Other Seismic Work	0.8		6.9	0.0	7.7		0.0		0.0	0.0	0.0	7.7	0%
EMS HQ Planning			0.6	0.0	0.6		0.0		0.5	0.0	0.5	0.0	100%
Project Controls	11.2		9.9	0.0	21.1		9.2		1.6	0.0	10.8	10.3	51%
Reserve	0.7		9.1	0.0	9.9		0.0		0.0	0.0	0.0	9.9	0%
Neighborhood Fire Stations Total	64.0	0.0	83.6	9.8	157.4		32.0	0.0	4.7	2.9	39.6	117.8	25%
Office of the Chief Medical Examiner			63.9	0.0	63.9				28.7	0.0	28.7	35.2	45%
Traffic Company & Forensic Services Division			162.2	0.0	162.2				21.5	0.0	21.5	140.7	13%
Police Facilities													
Focused Scope			6.4	0.0	6.4				0.3	0.0	0.3	6.1	4%
Comprehensive			9.1	0.0	9.1				0.0	0.0	0.0	9.1	0%
Project Controls			9.5	0.0	9.5				1.5	0.0	1.5	8.0	15%
Reserve			4.5	0.0	4.5				0.0	0.0	0.0	4.5	0%
Police Facilities Total	0.0	0.0	29.5	0.0	29.5		0.0	0.0	1.7	0.0	1.7	27.8	6%
Auxillary Water Supply System	102.4		54.1	0.0	156.5		69.5		3.0	0.0	72.5	83.9	46%
Oversight, Accountability, Issuance Costs	6.9		6.8	0.0	13.7		3.5		1.1	0.0	4.6	9.1	34%
Controller's Reserve (Ordinance 60-15)	2.3	4.3		0.0	6.6					0.0	0.0	6.6	0%
Total (Millions)	412.3	4.3	400.0	21.9	838.5		340.7	0.0	60.7	10.2	411.6	425.0	49%

Notes:

(A) Other Sources include: 1992 Fire Facility Bond Funds \$8.3M; PSB Developer Contribution \$6.4M and General Funds \$7.2M (PSB FF&E \$5.7M & NFS Station 48 \$1.5M).

ESER Neighborhood Fire Stations Need Summary

		Estimates				Funding		5
Category				ESER	ESER			ESER
	2009	2014	2022	2010	2014	Other ⁽¹⁾	Total	2022
Focused Scope	103.4	142.4	141.5	10.6	7.6		18.2	123
Additional Focused Scope					11.3		11.3	(11)
Comprehensive				7.0	4.1		11.2	(11)
Seismic Improvement	245.2	516.0	589.5	31.1	41.0	8.3	80.4	509
Project Controls	12.8			11.3	10.5		21.8	(22)
Reserve (5%)	17.4			3.9	9.1		13.1	(13)
Totals	378.9	658.4	731.0	64.0	83.6	8.3	155.9	575

(1) 1992 Fire Facility Bond Funds

Factors Contributing to Need Cost Increases

- 1. 2009 Cost Estimate ROM rough-order of magnitude- condition surveys performed
- 2. 2014 Cost Estimate is re-informed by:
 - Targeted in-depth conditions' assessment
 - Actual Cost of work executed
 - Escalation correction
- 3. Future estimate is driven by escalation of balance forward from mid-point of construction of the ESER 2020 bond



ESER 2010: Neighborhood Fire Stations

Focused Scope projects completed



Station 12 – Emergency Generator





Station 10 – Exterior Envelope



Station 26 – Shower Renovation



Station 17 – Exterior Envelope



Station 2 – Exterior Envelope

ESER Neighborhood Fire Stations Need Summary

<u>ESER 2010</u>
Neighborhood Fire Stations
Focused Scope
Roof Replacement
Shower Renovation
Window Replacement
Mechanical/Plumbing
Exterior Envelope
Electrical/Emergency Generator
Sidewalk Repair
Miscellaneous
Comprehensive Renovation
Seismic Upgrades

ESER 2014

Neighborhood Fire Stations Focused Scope Roof Replacement Shower Renovation Window Replacement **Exterior Envelope** Mechanical/Plumbing Electrical/Emergency Generator Sidewalk Repairs **Apparatus Bay Doors** Security Access Vehicle Exhaust Comprehensive Seismic Upgrades **Other Seismic Improvements**

Confirmed projects in ESER 2010 Bond:

Stations

2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, 42 6, 13, 15, 18, 26, 38, 40, 41 2, 6, 17, 25, 26, 28, 31, 32, 38, 40, 41, 42 2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, 42 2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, 42, 49 6, 12, 15, 17, 21 10 Pier 26 (berthing) 44, 36 5, 16, 35 (CEQA), 9 (Utility Isolation); 43 reclassified to low priority

Proposed projects in ESER 2014 Bond: Stations

3, 7, 9, 11, 12, 20, 23, 29, 40, 43, 49 13, 17, 20, 22, 33, 34 7, 8, 9, 19, 20, 21, 22, 24, 25, 29, 34 8, 11, 20, 22, 23, 24, 29, 34 3, 7, 8, 9, 14, 20, 22, 23, 41, 43, 49 3, 19, 31, 39

	Legend:
	Completed
	In Progress
	Inclusion in 2014 Bond pending scoping analysis
	Pending work for future bond(s)
0 (retro	it): 11 15 21 (hose tower removal)

25 (retrofit); 20 (retrofit); 11, 15, 21 (hose tower removal)



13, 31

3 or 7

35.48

9

34 stations

All Stations

Stations TBD

ESER Neighborhood Fire Stations Need Summary

Balance of Need

Focused Scope Roof Replacement Shower Renovation Window Replacement Exterior Envelope Mechanical/Plumbing Electrical/Emergency Generators Sidewalk Repairs Apparatus Bay Doors Security Access Comprehensive Seismic Upgrades

Not included in ESER bond to date:

Up to 18 stations
Up to 31 stations
Up to 21 stations
Up to 20 stations
Up to 18 stations
Up to 35 stations
Up to 41 stations
Up to 10 stations
TBD
TBD pending continuing seismic evaluations
Up to 34 stations

Legend:

Completed

In Progress

Inclusion in 2014 Bond pending scoping analysis Pending work for future bond(s)



ESER 2010: Neighborhood Fire Stations

Scope

- Focused Scope: Roofs: 15 of 15 stations completed; Windows: 12 of 12 stations completed; Exterior Envelope: 16 of 16 completed; Generators: 4 complete; 1 in close out (of 5 stations); Showers: 8 of 8 stations completed; Mechanical: 15 of 15 stations completed.
- **Comprehensive:** 2 of 2 stations completed. Station 36 is on track to achieve LEED Gold for Commercial Interiors certification.
- Seismic: Whole station replacements: FS 5 Western Addition & FS 16 Marina/Cow Hollow underway.

Schedule

- Focused Scope: Completion extended to Dec. 2015 to address generator permitting requirements
- **Comprehensive:** Stations 36 and 44 work is complete
- **Seismic:** Station 16 re-design complete and submitted to DBI; Station 5 Construction Documents 90% complete; Station 35 moved under ESER 2014.

Challenges, Risks

• Potential of protests to the Stations 5 and 16 building permits.



ESER 2014: Neighborhood Fire Stations

Scope

The ESER 2014 bond program will continue the work of ESER 2010 bond, categorizing projects according to the three categories of *Focused Scope, Comprehensive, and Seismic*. The principal goal of ESER 2014 is to continue to address identified and prioritized needs **at all stations not addressed under ESER 2010**.

- Facilities Conditions Assessment
 - Existing building assessments and recommendations for 21 stations not evaluated as part of ESER 2010 scope including site, exterior building envelope, interior health and safety conditions, and MEP systems and associated cost estimates were completed.
 - Structural assessments were completed for 6 stations.
 - Page and Turnbull, the historic consultant, has completed analysis of 18 stations, and completed the first round of reporting and DPR forms for submission to Planning.

Schedule

See next slide

Risks, Challenges

- Bidding climate in 2016 and subsequently
- Station 35: Multiple jurisdictions and approvals are required. New fireboat scheduled to arrive in Spring 2016 requires temporary berthing location –proposed at adjacent P26

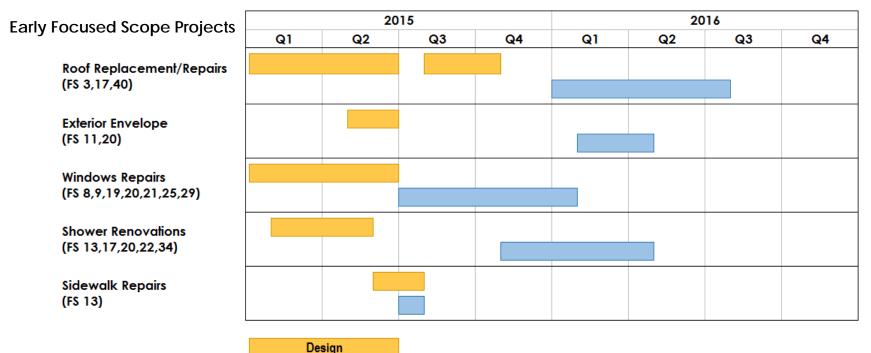


ESER 2014: Neighborhood Fire Stations

Project List (Proposed):

- Seismic Improvement: Stations 35, 6, 25; hose tower only 11, 15, 21
- Comprehensive Renovation: Station 3 or 7
- Focused Scope: Stations 8, 9, 11, 12, 14, 19, 20, 21, 22, 23, 24, 25, 29, 33, 34, 37, 39, 43, 49; Pier 26 (berthing)

Schedule

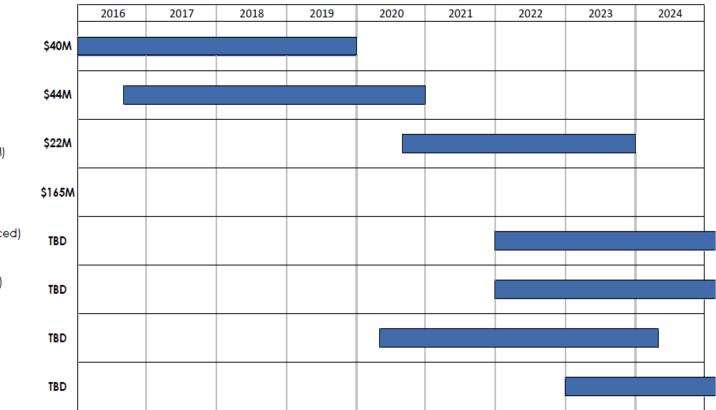




Construction

SFFD Major Capital Projects

Fire Station 35 (Pier 22 1/2) (ESER 2014 Funded/NFS \$92M) EMS (FS 9 @ 2245 Jerrold Ave.) (DPH 2016 Bond Funded) BOE (1415 Evans Ave.) (ESER 2020 Funded/NFS \$100M) Training Facility (TBD) (TBD) EMS Staging Depot (Park Merced) (Developer Funded) Fire Station 48 (Treasure Island) (Developer Funded) Fire Station XX (Candlestick) (General Fund) Fire Station XX (Hunters Point) (General Fund)





ESER 2010: Public Safety Building







ESER 2010: Public Safety Building

Scope

• Project Completed!

Schedule

- Building Inauguration April 16, 2015; Substantial Completion April 28, 2015;
- Final Completion expected March 2016

Challenges, Risks

• Project Closeout by March 2016



ESER 2014: Traffic Company/Forensic Services Division

Scope

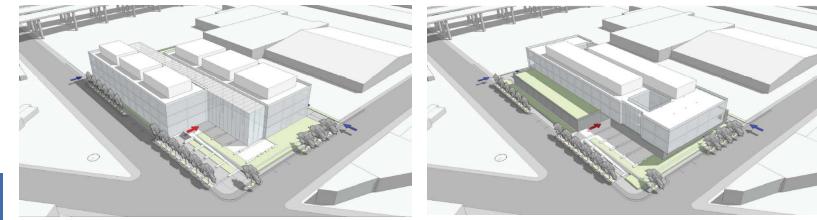
- Relocation of FSD from seismically unsafe HOJ and from Hunter's Point Shipyard to site at 1995 Evans at Toland
- 105,000 sf Replacement Facility 85,000 sf FSD and 20,000 sf TC with 2-level City Fleet Parking Structure
- First application of BOS approved Revised Chapter 6 allowance of design-build core major trades within CM/GC

Schedule

- Selected A/E Design Team on November 13, 2014 HOK Architects, San Francisco
- Selected CMSS on September 18, 2015 Vanir CM, San Francisco
- Programming Phase currently underway
- Construction Start Spring 2017
- Building Inauguration Fall 2019

Challenges, Risks

- Bidding Climate in 2017
- Acquisition of adjacent CalTrans parcel
- Additional \$11.9M required for Special Equipment (FF&E)





ESER 2014: District Police Stations





ESER 2014: District Police Stations

Scope

- The ESER 2014 bond program will mirror the categorization of projects adopted by the NFS projects in the categories of Focused Scope and Comprehensive projects. The goals are to improve public access, and building systems, structural, and envelope deficiencies that would compromise operations
- Facilities Conditions Assessment
 - Existing building assessments and recommendations for all 12 facilities including accessibility, site, exterior building envelope, structural, and MEP systems and associated cost estimates were completed.
 - Historic Resource Evaluation report for all 12 facilities completed by Page and Turnbull in November 2015.
 - Hazardous Material Investigation
 - Field works and sample collection for all 12 facilities completed in December 2015 by EnviroSurvey, Inc.
 - Final reports for all 12 facilities to be completed by February 2016.



ESER 2014 Police Facilities Projects

Focused Scope ADA - Public Access	Proposed Project Sites in ESER 2014 Bond Stations Bayview, Ingleside, Mission, Northern, Park, Richmond, Taraval, Tenderloin, Police Academy, Central
Site Repairs	Park (Drainage Repairs)
Exterior Envelope	Ingleside, Park, Golden Gate Stables
Roof Replacement	Ingleside
Mechanical/Plumbing	Bayview, Ingleside, Richmond, Taraval, Tenderloin, Pistol Range
Electrical/Emergency Generators	Bayview, Ingleside, Richmond, Taraval, Tenderloin, Pistol Range
Comprehensive	Mission, Northern, Park, Police Academy, Golden Gate Stables

Legend: Completed In Progress Inclusion in 2014 Bond pending scoping analysis Pending work for future bond(s)



ESER 2014: District Police Stations

Schedule

- Design and Construction Projects underway:
 - ADA Upgrade Package 1 (Bayview, Mission, Tenderloin, Central, Northern)
 - ADA Upgrade Package 2 (Ingleside, Park, Richmond, Taraval, Police Academy)
 - Northern Station Comprehensive Renovation

	2015											2016											2017														
	Q2		Q2		Q2		Q2		Q2		Q2		Q3		Q4		Q1		Q2		Q3		Q4			Q1			Q2			Q3			Q4		
	4	4	5	6	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12				
ADA Package 1																																					
ADA Package 2																																					
Northern Station Comprehensive																																					



Challenges, Risks

- Maintaining SFPD operational efficiency during construction
- Bidding climate in 2016 and subsequently



ESER 2014: Medical Examiner



Architect rendering



Project Site – Nov. 21, 2015





Project Site – Dec. 1, 2015

ESER 2014: Medical Examiner

Scope

- Two-story building, 46,000 GSF, for 50 employees
- Autopsy, Laboratory, Field Investigations, Body Storage, Administration
- LEED Gold

Schedule

- A/E Design Team KMD Architects NTP January 7, 2015
- CM/GC Clark Construction NTP January 29, 2015
- Construction Management Supplemental Services (CMSS) Vanir NTP on July 25, 2015
- Complete Design October 2015
- Start Construction November 2015
- Complete Construction August 2017
- Building Inauguration September 2017

Challenges, Risks

- Complete buyout of trade packages within the established budgets
 - Bid Package #1 10/2/2015 (demolition and earthwork) \$1.20M budget vs. \$660K bids (\$540K below the budget)
 - Bid Package #2 10/23/2015 (piles, concrete, structural steel, methane barrier) \$5.80M budget vs. \$5.84M bids (\$40K above the budget)
 - Remaining Bid Packages' direct construction cost budget amount \$27.9M; bidding on 1/26/2016



ESER 2010 and ESER 2014: Auxiliary Water Supply System



Dorchester Way & Ulloa Street cistern



Jones Street Tank, new piping and walkway



Pumping Station 1, new ventilation equipment with new engine exhausts in background





ESER 2010 and ESER 2014: Auxiliary Water Supply System

Scope

- Planning Study AWSS reliability assessment and improvement recommendations
- Reservoir Pipe and valve replacements
- Tanks (2) Ashbury replacement; Jones Street seismic strengthening
- Pump Stations (2) PS1 new engines; PS2 seismic strengthening
- **Cisterns (30)** New cisterns in southern and western portions of the City
- Pipe & Tunnel (9) Various improvements; pipeline assessment
- **ESER 2014 (14)** Various pipeline and Flexible Water Supply System improvements

Schedule

- Planning Study Completed 2014
- **Reservoir –** Completion February 2016
- Tanks Completion February 2016
- Pump Stations PS1 completion May 2016; PS2 completion 2018
- Pipe & Tunnel Completion varies by project; overall completion 2018
- **Cisterns** 18 cisterns functional; completion of approximately 12 additional cisterns by 2017

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• ESER 2014 – Completion varies by project; overall completion 2021

Budget – ESER 2010 \$102.4M, ESER 2014 \$54M

- Planning Study \$2.9M
- **Reservoir** \$2.9M
- **Tanks** \$13.6M
- Pump Stations \$27M
- **Cisterns** \$35.4M
- Pipe & Tunnel \$19.1M
- **ESER 2014 Pipe & FWSS** \$54M



• Administrative - \$1.5M





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ESER 2014: District Police Stations

