Project Name: Public Health Interactive Maps

Project ID: D99162GS

Leadership G	Leadership Group: Finance and Administration									
Department:	Department: Health and Human Services			Division: Health						
Project Spons	or: Leigh-	Anne Stafford	Date Re	equested: 5/21/	18	PM Custon	ner No. 162			
Request Type: <u>New Development</u>			ent	Enhan	ncement	Cus	stomer Support			
	Planned System Maintenance or Upgrade									
IT Team Name	: Assessin	g and Taxation		IT Team N	lo : 9					
Project Manag	ger/Leader:	Scott Kaiser								
Account Number: 9	6842	Account Description:	Health /	Administration		Customer Name:	Health			
Grant Funded? Yes No		No		Mandate?		Yes	No			
				Mandate Source:						

Project Goal

To allow the public access to Health Division services, community resources, and data through interactive GIS maps so that the information is efficiently and clearly disseminated in an easy to use format.

Business Objective

Enhance the way that the Health Division visually provides information to the public using GIS maps and story boards.

Major Deliverables

- Detailed Project Plan
- Application and/or System Requirements
- End User Hardware and Software Requirements Document
- Technical Design Document
- Technical Architecture Diagram
- Training Plan
- User Acceptance Test Plan
- Implementation Plan
- Interactive Maps, such as:
 - Access to Narcan (internal, emergency response, and public use maps)
 - Recovery success story w/ alternative treatment
 - Narcan training who and how to administer (story map)
 - Drug Court Cases (heat map)
 - ECHO Food Policy Council and Physical Activity (story map)
- Training/User Manual(s)
- Application Code
- Service Level Agreement
- Disaster Recovery Toolkit

Project Name: Public Health Interactive Maps

• Service Center Knowledge Documents

Approach

- Develop Detailed Project Plan
- Review current business process and conduct needs assessment with customer, ensuring current manual processes are refined and automated.
- Document system requirements
- Determine and document system architecture and diagram
- Assess User Hardware and Software Requirements
- Conduct Tech Review
- Develop Implementation Plan
- Develop new system
- Develop User Acceptance Test Plan
- Test new system
- Acquire User Acceptance Sign off
- Conduct Change Control
- Develop User Documentation, SLA, Disaster Recovery Toolkit, Service Center Knowledge Documents
- Train users on new system
- Release new system into production

Research & Analysis

Gartner Research Recommendation

Research Conducted – Nothing Found.

Benefits

See Return on Investment (ROI) Analysis Document

Impact

Number of Users: In 2017, 443,407 people came to the <u>https://www.oakgov.com/health</u> (and sub-pages) website to receive information. This number includes repeat visitors.

Divisions: Health Division

Leadership Groups: Finance and Administration

Project Name: Public He	alth Interactive Maps	Project ID: D99162GS
<u>Risk</u>		
Business Environment	Medium - Project will require some	changes to existing business
	processes.	
Technical Environment	Low - Proven and previously imple	mented technologies.
Assumptions		

Assumptions

StaffingIT Staffing: resources will be available for the hours indicated per the attached
project plan.

Other Staffing: additional staffing will be available as follows:

<u>Role</u>	<u>Name</u>	<u>Hours per Day</u>
Project Sponsor:	Leigh-Anne Stafford	As Needed

Facilities

• None

Technical

• None

Funding

• Information Technology

Other

• N/A

Priority

• TBD

Constraints

• N/A

Exclusions

• N/A

Project Name: Public Health Interactive Maps

Project ID: D99162GS

PROJECT PHASE AUTHORIZATION

Phase(s): All				
Total Estimated Application Services	Hours: 365			
Total Estimated Technical Systems	Hours:			
Total Estimated CLEMIS	Hours:			
Total Estimated Internal Services	Hours:			
IT Application Services Division Manager Approval:	Date:			
IT Technical Systems Division Manager Approval:	Date:			
IT CLEMIS Division Manager Approval:		Date:		
IT Internal Services Division Manager Approval:		Date:		
IT Management Approval:				
Approved: Yes No		Date:		
Reason:				
Project Sponsor Approval:				
Title:		Date:		

PROJECT SUMMARY

365 Cost: \$60.225

Project Name: Public Health Interactive Maps

Project ID: D99162GS

PROJECT COMPLETION AUTHORIZATION

Customer Acceptance of Product:	
Title:	Date:
Project Office Review:	Date:

Public Health Interactive Maps - Size Estimate (+/- 10% to 50%)

1	Туре	ID	Task Name	Estimated	Estimate Notes
2				Hours	
3	3	000000	PROJECT MANAGEMENT	90	
4	Phase	200000	DEFINE BUSINESS REQUIREMENTS	65	
5	Phase	300000	DESIGN SYSTEM ARCHITECTURE	25	
6	Phase	500000	DEVELOP APPLICATION	130	
7	Phase	600000	IMPLEMENTATION PHASE	50	
8	Phase	080000	POST IMPLEMENTATION SUPPORT	5	
9				365	

Return on Investment Analysis

Project Summary

Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Benefits/Savings:							
Tangible Benefits Subtotal:	2,500	2,500	2,500	2,500	2,500	2,500	15,000
Cost Avoidance Subtotal:	7,719	7,873	8,031	8,191	8,355	8,522	48,692
Costs:							
Development Services Subtotal:	33,083	20,105	5,150	5,253	5,358	5,465	74,414
Hardware Subtotal:	0	0	0	0	0	0	0
Software Subtotal:	0	0	0	0	0	0	0
Infrastructure Subtotal	0	0	0	0	0	0	0
Training Subtotal:	0	0	0	0	0	0	0
Other Subtotal:	0	0	0	0	0	0	0
Annual Statistics:							
Annual Total Savings	10,219	10,373	10,531	10,691	10,855	11,022	63,692
Annual Total Costs	33,083	20,105	5,150	5,253	5,358	5,465	74,414
Annual Return on Investment	(22,864)	(9,732)	5,381	5,438	5,497	5,557	(10,722)
Annual Costs/Savings Ratio	323.74%	193.82%	48.90%	49.13%	49.36%	49.58%	
Project Cumulative Statistics:							
Cumulative Total Savings	10,219	20,592	31,123	41,815	52,670	63,692	63,692
Cumulative Total Costs	33,083	53,188	58,338	63,591	68,949	74,414	74,414
Cumulative Return on Investment	(22,864)	(32,595)	(27,215)	(21,776)	(16,279)	(10,722)	(10,722)
Cumulative Cost/Savings Ratio	323.74%	258.29%	187.44%	152.08%	130.91%	116.83%	116.83%
Year Positive Payback Achieved							NO PAYBACK
State or Federal Mandate?							
Signatures:							
Benefits Reviewed By Project Sponsor				Date:			
Costs (including IT Resources) Reviewed By Information Technology Project Manager				Date:			

Return on Investment Analysis

Savings Detail

Benefit/Savings Description	Project Savings Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Savings	Annual Multiplier
Provide visual display using maps and							
story boards to allow the public an							
easier way to get information.	Intangible Benefit					0	
Health Division are learning the GIS							
Online capabilities but are not as well							
versed as IT staff. This will expedite							
the maps that are available to public							
and allow the Health Division to							
maintain the products created.	Cost Avoidance		HR	200	27	5,306	1.020
Creates a central database of							
information for community resources							
that can be accessed by various units							
within the Health Division and avoid							
duplication of creating databases with							
the same resources.	Cost Avoidance		HR	100	24	2,413	1.020
Can reduce the amount of paper							
printed by providing on-line solutions.	Tangible Benefit	20221-1060201-133150	ANN	1	2,500	2,500	
						0	
						0	
						0	

Return on Investment Analysis

Savings Detail

		Affects Project ROI? Potential Savings Extensions											
Benefit/Savings Description	Project Savings Category	Y1	Y2	Y3	Y4	Y5	Y6	Y1	Y2	Y3	Y4	Y5	Y6
Provide visual display using maps and				I	I		[
story boards to allow the public an						1							
easier way to get information.	Intangible Benefit		1		1	1							
Health Division are learning the GIS					1	1							
Online capabilities but are not as well						1							
versed as IT staff. This will expedite			1			1							
the maps that are available to public			ļ			ł.							
and allow the Health Division to						1							
maintain the products created.	Cost Avoidance	Х	Х	Х	Х	Х	Х	5,306.00	5,412.12	5,520.36	5,630.77	5,743.39	5,858
Creates a central database of					Į.	1							
information for community resources			1		1	1							
that can be accessed by various units			1		1	1							
within the Health Division and avoid					1								
duplication of creating databases with			1			1							
the same resources.	Cost Avoidance	Х	Х	Х	Х	Х	Х	2,413.00	2,461.26	2,510.49	2,560.69	2,611.91	2,664
Can reduce the amount of paper													
printed by providing on-line solutions.	Tangible Benefit	х	х	х	х	х	х	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00	2,500
		<u> </u>	Ê	Ê	Ê	Ê	1 [^]	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000
			İ		İ	İ	İ						
					İ		i						

Return on Investment Analysis

Savings Summary

Benefit/Savings Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Tangible Benefit:							
Can reduce the amount of paper printed by							
providing on-line solutions.	2,500	2,500	2,500	2,500	2,500	2,500	15,000
Tangible Benefits Subtotal.	2,500	2,500	2,500	2,500	2,500	2,500	15,000
Cost Avoidance:							
Health Division are learning the GIS Online							
capabilities but are not as well versed as IT							
staff. This will expedite the maps that are							
available to public and allow the Health							
Division to maintain the products created.	5,306	5,412	5,520	5,631	5,743	5,858	33,471
Creates a central database of information for							· · · ·
community resources that can be accessed							
by various units within the Health Division							
and avoid duplication of creating databases							
with the same resources.	2,413	2,461	2,510	2,561	2,612	2,664	15,221
Cost Avoidance Subtotal:	7,719	7,873	8,031	8,191	8,355	8,522	48,692
Intangible Benefit:							
Provide visual display using maps and story							
boards to allow the public an easier way to							
get information.							
Savings Total:	10,219	10,373	10,531	10,691	10,855	11,022	63,692

Return on Investment Analysis

								A	fect	s Pr	ojec	t RC) ?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual						
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3	¥4	Y5	Y6
IT Hours - New Development	Development Svcs		HR	365	165	60,225		х	х	ļ			
IT Hours - System Maintenance	Development Svcs		HR	10	165	1,650	1.020					-	х
IT Hours - Customer Support	Development Svcs		HR	10	165	1,650	1.020					-	х
IT Hours - Planned Maintenance	Development Svcs		HR	10	165	1,650	1.020	х	х	х	х	Х	х
User Hours - New Development	Development Svcs					0						<u> </u>	1
User Hours - PTNE/OT	Development Svcs					0							
Contractor Professional Services	Development Svcs					0							
PC System - Acquisition	Hardware				814	0							
PC System - Maintenance	Hardware				2,304	0				l	1	ĺ	1
Notebook - Acquisition	Hardware				1,223	0							
Notebook - Maintenance	Hardware				2,372	0							
Tablet Notebook - Acquisition	Hardware				2,012	0							
Tablet Notebook - Maintenance	Hardware					0			l	l	1		
Laserprinter - Acquisition	Hardware				1,432	0							
Laserprinter - Maintenance	Hardware				1,104	0							
Image Workstations - Acquisition	Hardware					0							
Image Workstations - Maintenance	Hardware				3,496	0					1		
PC Maintenance User Owned	Hardware				2,304	0							
Printer Maintenance User Owned	Hardware				1,072	0			1	1	1		
File Space (100GB)	Hardware		ANN		173	0							
Internet Bandwidth per MB	Hardware		ANN		750	0							
Package Software - Acquisition	Software					0					ļ —		
Package Software - Maintenance	Software					0							
Business Objects Access	Software					0							
Term Emulation SFTW-Acquisition	Software					0							
Term Emulation SFTW-Maintenance	Software					0			1	1	1		
Server - Acquisition/Upgrade	Infrastructure				8,000	0			l	l	1		
Server - Maintenance	Infrastructure				360	0					1		
Server Sftwre - Acquisition/Upgrade	Infrastructure				335	0							
Server Sftwre - Maintenance	Infrastructure					0			1	1	1		
Server Rack Mount	Infrastructure				400	0							
Oracle Enterprise Per Processor -											1		
Includes Year 1 Maintenance	Infrastructure				21,372	0				l			
Oracle Enterprise Per Processor - Year					· ·					İ			
2 and Beyond	Infrastructure				3,432	0					1	i '	

Return on Investment Analysis

							Affects Project R			ROI?		
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual					
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1 `	Y2 `	Y3 `	Y4 ۱	/5 Y6
SQL Server Enterprise - Per Processor												
(4 cores) - Purchased Sept 2016-Aug												
2017 - Includes Maintenance thru Aug												
2019	Infrastructure				24,533	0						
SQL Server Enterprise - Per Processor												
(4 cores) - Purchased Sept 2017-Aug												
2018 - Includes Maintenance thru Aug												
2019	Infrastructure				20,759	0						
SQL Server Enterprise - Per Processor												
(4 cores) - Purchased Sept 2018-Aug												
2019 - Includes Maintenance thru Aug												
2019	Infrastructure				16,985	0						
SQL Server Enterprise - Maintenance,												
Per Processor (4 cores) - Sept 2019												
and Beyond	Infrastructure				4,218	0						
SQL Server Standard - Per Processor												
(4 cores) - Purchased Sept 2016-Aug												
2017 - Includes Maintenance thru Aug												
2019	Infrastructure				6,398	0						
SQL Server Standard - Per Processor												
(4 cores) - Purchased Sept 2017-Aug												
2018 - Includes Maintenance thru Aug												
2019	Infrastructure				5,414	0						
SQL Server Standard - Per Processor												
(4 cores) - Purchased Sept 2018-Aug												
2019 - Includes Maintenance thru Aug												
2019	Infrastructure				4,429	0						
SQL Server - Standard Maintenance,												
Per Processor (4 cores) - Sept 2019												
and Beyond	Infrastructure				1,100	0						
Websphere Basic Per Processor												
Single/Dual Core - Includes Year 1										ĺ		
Maintenance	Infrastructure				3,506	0				ĺ		

Return on Investment Analysis

							Affects Project						?
Cost Description	Project Cost Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Cost	Annual Multiplier	Y1	Y2	Y3	Y4	Y5 \	/6
Websphere Basic Per Processor													
•	Infrastructure				701	0					l		
Websphere ND Per Processor													
Single/Dual Core - Includes Year 1											1		
Maintenance	Infrastructure				13,180	0							
Websphere ND Per Processor											ļ		
Single/Dual Core - Year 2 and Beyond	Infrastructure				2,635	0							
SSL Certificate	Infrastructure				845	0							
Internet Access	Infrastructure				180	0							
Imperva Web Application Firewall					100	0							
(External Web Applications Only)	Infrastructure		ANN		500	0							
App Code Directories on Consolidated			,		000	0							
IIS Server (Virtual)	Infrastructure		ANN		415	0					l		
Database (5 GB) on Consolidated SQL					110								
Instance Server	Infrastructure		ANN		930	0					1		
Database Instance (125 GB DB) on												-	
Consolidated SQL Server	Infrastructure		ANN		2,395	0							
Database SQL Maint Server	Infrastructure		ANN		834	0							-
Database SQL Server Physical	Infrastructure		ANN		19,158	0						-	
	Infrastructure		ANN		610	0						-	
DB Maintenance (Semi-Annual Cycle											1		
\$1220)	Infrastructure		ANN		1,220	0							
DB Maintenance (Semi-Annual Cycle													
\$2440)	Infrastructure		ANN		2,440	0					l	Ì	
Dedicated Virtual Server	Infrastructure		ANN		4,150	0					ļ		
DB Instance Setup	Infrastructure				976	0					I		
DBA MS SQL Database Creation on												-	
Exisitng Instance	Infrastructure		_		366	0							
Extra Small - 2 Core 8GB RAM, 500GB													
Drive, 10 GB NIC - Cloud/Virtual = \$601											1		
	Infrastructure		ANN			0					1		

Return on Investment Analysis

								Af	Affects Project RC				и?
Cost Description	Project Cost Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Cost	Annual Multiplier	Y1	Y2	Y3	Y4	Y5	Y6
Small - 4 Core 16GB RAM, 500GB													
Drive, 10 GB NIC - Cloud/Virtual = \$951													
	Infrastructure		ANN			0							
Medium - 8 Core 32GB RAM, 500GB			/			0							
Drive, 10 GB NIC - Cloud/Virtual =													
\$1,702 On Premise Physical Server =													
+ - J -	Infrastructure		ANN			0							
Large - 16 Core 64GB RAM, 500GB													
Drive, 10 GB NIC - Cloud/Virtual =													
\$3,167 On Premise Physical Server =													
+ -) -	Infrastructure		ANN			0							
Extra Large - 40 Core 160GB RAM,													
500GB Drive, 10 GB NIC - Cloud/Virtual													
= \$7,564 On Premise Physical Server =													
·)	Infrastructure		ANN			0							
Project Staff Training	Training					0							
User Training	Training					0							

Return on Investment Analysis

	Potential Cost Extensions									
	Project Cost									
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6			
IT Hours - New Development	Development Svcs	30,112.50	15,056.25							
IT Hours - System Maintenance	Development Svcs	990.00	1,683.00		1,750.99	1,786.01	1,821.73			
IT Hours - Customer Support	Development Svcs	990.00	1,683.00	1,716.66	1,750.99	1,786.01	1,821.73			
IT Hours - Planned Maintenance	Development Svcs	990.00	1,683.00	1,716.66	1,750.99	1,786.01	1,821.73			
User Hours - New Development	Development Svcs									
User Hours - PTNE/OT	Development Svcs									
Contractor Professional Services	Development Svcs									
PC System - Acquisition	Hardware									
PC System - Maintenance	Hardware									
Notebook - Acquisition	Hardware									
Notebook - Maintenance	Hardware									
Tablet Notebook - Acquisition	Hardware									
Tablet Notebook - Maintenance	Hardware									
Laserprinter - Acquisition	Hardware									
Laserprinter - Maintenance	Hardware									
Image Workstations - Acquisition	Hardware									
Image Workstations - Maintenance	Hardware									
PC Maintenance User Owned	Hardware									
Printer Maintenance User Owned	Hardware									
File Space (100GB)	Hardware									
Internet Bandwidth per MB	Hardware									
Package Software - Acquisition	Software									
Package Software - Maintenance	Software									
Business Objects Access	Software									
Term Emulation SFTW-Acquisition	Software									
Term Emulation SFTW-Maintenance	Software									
Server - Acquisition/Upgrade	Infrastructure									
Server - Maintenance	Infrastructure									
Server Sftwre - Acquisition/Upgrade	Infrastructure									
Server Sftwre - Maintenance	Infrastructure									
Server Rack Mount	Infrastructure									
Oracle Enterprise Per Processor -										
Includes Year 1 Maintenance	Infrastructure									
Oracle Enterprise Per Processor - Year										
2 and Beyond	Infrastructure									

Return on Investment Analysis

		Potential Cost Extensions						
	Project Cost							
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6	
SQL Server Enterprise - Per Processor								
(4 cores) - Purchased Sept 2016-Aug								
2017 - Includes Maintenance thru Aug				1				
2019	Infrastructure							
SQL Server Enterprise - Per Processor								
(4 cores) - Purchased Sept 2017-Aug								
2018 - Includes Maintenance thru Aug				1				
2019	Infrastructure							
SQL Server Enterprise - Per Processor						1		
(4 cores) - Purchased Sept 2018-Aug								
2019 - Includes Maintenance thru Aug								
2019	Infrastructure			ļ		ļ		
SQL Server Enterprise - Maintenance,								
Per Processor (4 cores) - Sept 2019								
and Beyond	Infrastructure							
SQL Server Standard - Per Processor								
(4 cores) - Purchased Sept 2016-Aug				Į				
2017 - Includes Maintenance thru Aug								
2019	Infrastructure							
SQL Server Standard - Per Processor								
(4 cores) - Purchased Sept 2017-Aug								
2018 - Includes Maintenance thru Aug								
2019	Infrastructure							
SQL Server Standard - Per Processor								
(4 cores) - Purchased Sept 2018-Aug				ļ		ļ		
2019 - Includes Maintenance thru Aug								
2019	Infrastructure							
SQL Server - Standard Maintenance,								
Per Processor (4 cores) - Sept 2019								
and Beyond	Infrastructure							
Websphere Basic Per Processor								
Single/Dual Core - Includes Year 1								
Maintenance	Infrastructure							

Return on Investment Analysis

		Potential Cost Extensions									
	Project Cost	Y1	Y2	Va	V4	Y5	Y6				
Cost Description	Category	¥1	1 12	Y3	Y4	15	тю				
Weberberg Desis Der Dresser		-									
Websphere Basic Per Processor											
Single/Dual Core - Year 2 and Beyond	Infrastructure										
Websphere ND Per Processor					1						
Single/Dual Core - Includes Year 1											
Maintenance	Infrastructure										
Websphere ND Per Processor											
Single/Dual Core - Year 2 and Beyond	Infrastructure				l	ļ					
SSL Certificate	Infrastructure			1 1 1							
Internet Access	Infrastructure										
Imperva Web Application Firewall											
(External Web Applications Only)	Infrastructure										
App Code Directories on Consolidated											
IIS Server (Virtual)	Infrastructure										
Database (5 GB) on Consolidated SQL											
Instance Server	Infrastructure										
Database Instance (125 GB DB) on											
Consolidated SQL Server	Infrastructure										
Database SQL Maint Server	Infrastructure										
Database SQL Server Physical	Infrastructure										
DB Maintenance (Annual Cycle \$610)	Infrastructure										
DB Maintenance (Semi-Annual Cycle											
\$1220)	Infrastructure										
DB Maintenance (Semi-Annual Cycle											
\$2440)	Infrastructure										
Dedicated Virtual Server	Infrastructure										
DB Instance Setup	Infrastructure										
DBA MS SQL Database Creation on			1			1					
Exisitng Instance	Infrastructure										
Extra Small - 2 Core 8GB RAM, 500GB											
Drive, 10 GB NIC - Cloud/Virtual = \$601				•		1					
On Premise Physical Server = N/A	Infrastructure										

Return on Investment Analysis

		Potential Cost Extensions						
Cost Description	Project Cost Category	Y1	Y2	Y3	Y4	Y5	Y6	
Small - 4 Core 16GB RAM, 500GB								
Drive, 10 GB NIC - Cloud/Virtual = \$951								
On Premise Physical Server = \$9,288	Infrastructure							
Medium - 8 Core 32GB RAM, 500GB								
Drive, 10 GB NIC - Cloud/Virtual =								
\$1,702 On Premise Physical Server =								
\$9,751	Infrastructure							
Large - 16 Core 64GB RAM, 500GB								
Drive, 10 GB NIC - Cloud/Virtual =								
\$3,167 On Premise Physical Server =								
\$10,446	Infrastructure							
Extra Large - 40 Core 160GB RAM,								
500GB Drive, 10 GB NIC - Cloud/Virtual				i				
= \$7,564 On Premise Physical Server =								
\$12,906	Infrastructure							
Project Staff Training	Training							
User Training	Training							

Return on Investment Analysis

Cost Summary

Cost Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Development Services:							
IT Hours - New Development	30,113	15,056					45,169
IT Hours - System Maintenance	990	1,683	1,717	1,751	1,786	1,822	9,748
IT Hours - Customer Support	990	1,683	1,717	1,751	1,786	1,822	9,748
IT Hours - Planned Maintenance	990	1,683	1,717	1,751	1,786	1,822	9,748
User Hours - New Development							
User Hours - PTNE/OT							
Contractor Professional Services							
Development Services Subtotal.	33,083	20,105	5,150	5,253	5,358	5,465	74,414
Hardware:							
Hardware Subtotal:							
Software:							
Software Subtotal:							
Infrastructure:							
Infrastructure Subtotal							
Training:							
Training Subtotal:							
Other:							
Other Subtotal:							
Costs Total:	33,083	20,105	5,150	5,253	5,358	5,465	74,414

Return on Investment Analysis

Assumptions

Date	Assumption Description
	Health Educator II currently works on maintaining the GIS maps created by IT for Opiates. For him to create the map from scratch based on
26-Feb-18	experience and knowledge would take an additional 40 hours per map then what IT GIS experts could do across 5 maps.
	Each quarter units have to update their databases to ensure accurate information. By eliminating one unit from updating a duplicate
26-Feb-18	database and accessing the map would avoid 25 hours per quarter worth of research.
	The estimate was based on 5 requests over the course of the Master Plan, averaging just over 70 hrs/request. Depending on the specific
07-May-18	request, some might take more hours, and some fewer.
,	Estimating that each new app will increase customer support, system maintenance and PMU by 2 hrs/year (total of 10 hrs/year once all 5
14-Mav-18	apps implemented); assuming 3 apps implemented Y1 (i.e., 60% of apps), with all 5 implemented by the end of Y2.
	Health is estimating that \$5,000 of printing costs could be avoided every 2 years by providing more information online (or, \$2500/year).
i i indy i i	