Annual Citywide Risk Assessment and Audit Work Plan

FISCAL YEAR 2016

Office of the City Auditor

City of San Diego







THE CITY OF SAN DIEGO

DATE: July 15, 2015

TO: Honorable Members of the Audit Committee

FROM: Eduardo Luna, City Auditor

SUBJECT: Annual Citywide Risk Assessment and Audit Work Plan – Fiscal Year 2016

Attached is the Annual Audit Work Plan proposed by the Office of the City Auditor for Fiscal Year 2016. This report will be presented at the July 22nd Audit Committee meeting for your review and approval. The list of 21 proposed audit assignments for FY 2016 includes performance audits regarding various City departmental activity groups, and other audit projects and activities.

The Audit Work Plan was developed by considering the required audits mandated by the City Charter and the San Diego Municipal Code, results of the FY 2016 Citywide Risk Assessment, and input from City Council and other sources. We designed our work plan to address what we considered to be risk areas, while limiting the scope of work to what we can realistically accomplish with the staff resources available.

Respectfully submitted,

Eduardo Luna City Auditor

cc: Honorable Mayor Kevin Faulconer
Honorable City Councilmembers
Scott Chadwick, Chief Operating Officer
Stacey LoMedico, Assistant Chief Operating Officer
Mary Lewis, Chief Financial Officer
Brian Pepin, Director of Council Affairs
Jan Goldsmith, City Attorney
Andrea Tevlin, Independent Budget Analyst



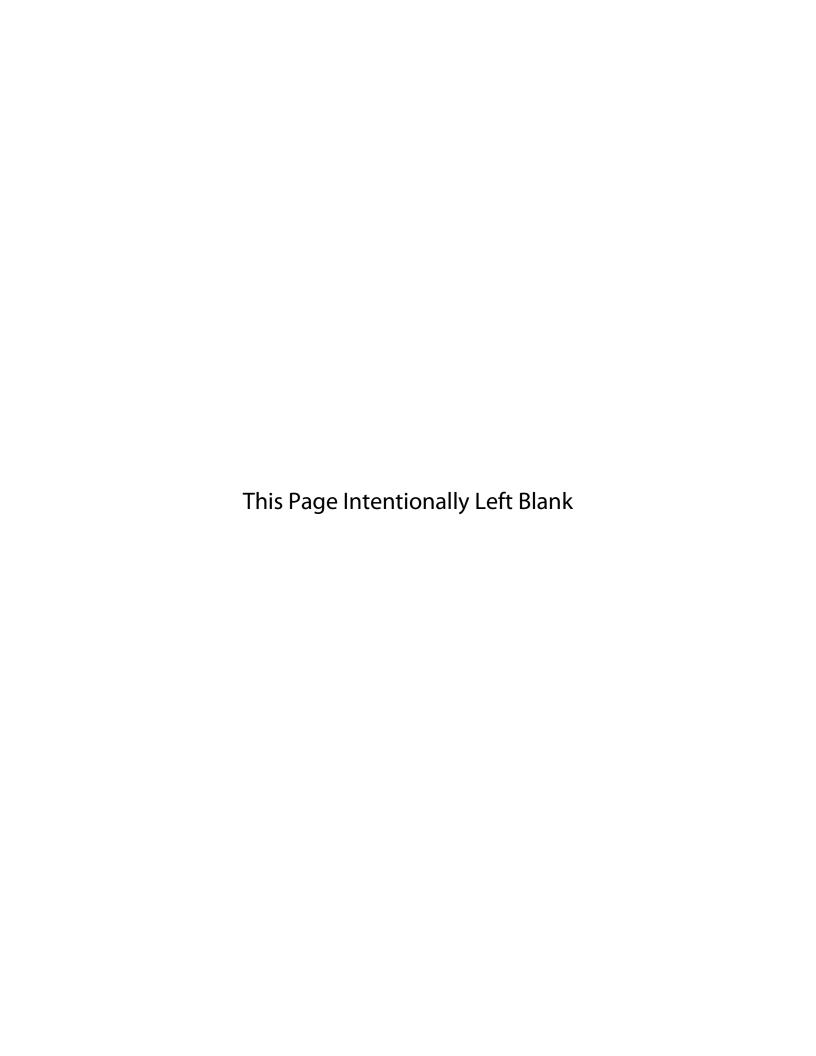
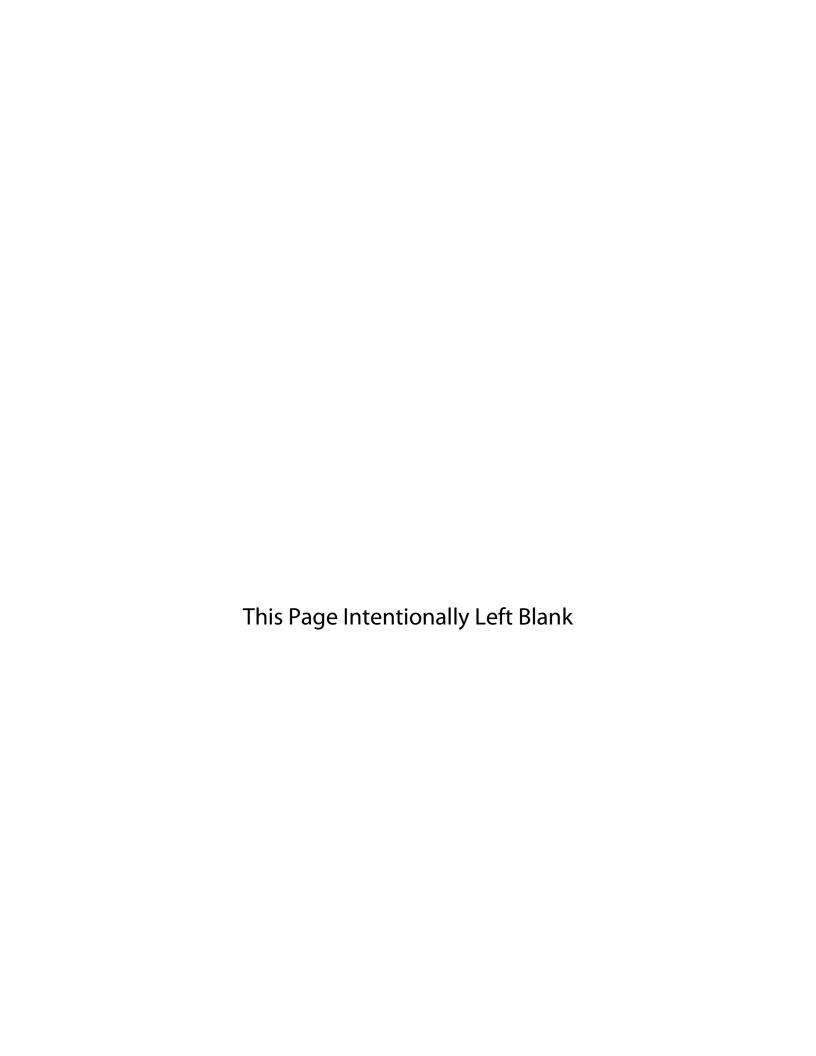


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Mission Statement

The mission of the Office of the City Auditor is to advance open and accountable government through accurate, independent, and objective audits and investigations that seek to improve the economy, efficiency, and effectiveness of City government.

Introduction

Government Auditing Standards and the Institute of Internal Auditors' Standards encourage the chief audit executive to establish a risk-based approach to determine the priorities for City Auditor activities. The Office of the City Auditor has completed a FY 2016 Citywide Risk Assessment as a means to help identify, measure, and prioritize the City's potential audits based on the level of risk to the City. Each Activity Group's risk score was considered when selecting audits for the City Auditor's FY 2016 Audit Work Plan.

Audit Resources

The FY 2016 budget for the Office of the City Auditor includes 22 staff members at a budgeted cost of approximately \$3.7 million for salaries, fringe benefits, and non-personnel expenses such as office equipment, training and supplies. The City Auditor's FY 2016 budget also includes \$424,491 for the cost of the City's Comprehensive Annual Financial Report (CAFR) audit that will be conducted by an outside independent audit firm. The City Auditor administers the CAFR audit contract. During FY 2016, the Office of the City Auditor will have three audit managers and 15 auditors to conduct audits and investigations with an estimated 23,100 audit hours available to perform audits. The estimated audit hours available were calculated as follows:

Calculation of Estimated Audit Hours Available for FY 2016

One Full-Time	e Equivalent (FTE) Auditor:	Hours
Total Annu	ual Hours Available	2,080
Less Hours Fo	r:	
Vacation a	nd Sick Leave	-160
(10) Holida	ays and (1) Floating Holiday	-88
(2) Citywid	le Discretionary Leave Days Granted	-16
Continuing	g Professional Education	-60
Administra	ative Duties *	-104
Other Assi	gned Projects **	-242
Total Annual	Audit Hours Available per Auditor	1,410
Number of Auditors		Audit Hours
3	Audit Managers ¹ [(3 x 1,410) - 520]	3,710
15	Auditors ² [(15 x 1,410) - 1,760]	19,390
Total Estimate	ed Audit Hours Available for FY 2016	23,100

<u>Note:</u> Audit supervision and administrative hours for the City Auditor, Assistant City Auditor and two Executive Assistants are not included.

^{* &}quot;Administrative Duties" include completion of timecards; leave slips; annual OCA forms; Performance Self-Evaluation forms; organization of office/projects/tasks, etc; research for training opportunities; and any time not attributed to a specific project or task assigned by management. The only exception is the Audit Manager who works with the Administrative staff on a daily basis on budget, payments, and trainings, etc.

^{** &}quot;Other Assigned Projects" include tasks such as responding to Council and other stakeholder requests, internal research projects, presentation preparations, outreach stakeholder meetings, and research and development for future audit issues, etc.

¹ Audit hours were reduced by 520 hours for manager performing additional administrative duties.

² Audit hours were reduced by 1, 520 to reflect planned maternity/paternity leave, and by 240 hours for anticipated vacancies, for a total of 1,760 hours.

Performance Audits and Other Audit Activities

The City Charter requires the Office of the City Auditor to conduct all of its audits under Government Auditing Standards, and there are three main types. They are financial audits, attestation engagements, and performance audits.

The City of San Diego hires an outside independent audit firm to perform the City's financial statement audit of the City's CAFR.

The City Auditor conducts performance audits of the City's departments, agencies and their activities. Under Government Auditing Standards, performance audits provide objective analysis so that management and those charged with governance and oversight can use the information to improve program performance and operations, reduce costs, facilitate decision making, and contribute to public accountability. A performance audit is a dynamic process that includes consideration of applicable standards throughout the course of the audit. Performance audit objectives may vary widely and include assessments of program effectiveness, economy and efficiency, internal controls, compliance with laws and regulations, and prospective analysis. Examples of performance audit objectives may include but are not limited to:

- Assessing the extent to which legislative, regulatory, and/or organizational goals and objectives are being achieved;
- Analyzing the relative efficiency and cost-effectiveness of a program or activity;
- Evaluating whether the audited entity is following sound procurement practices;
- Assessing the reliability, validity, and/or relevance of performance measures concerning program effectiveness and results, or economy and efficiency;
- Assessing internal controls designed to provide reasonable assurance of achieving effective and efficient operations, and reliable financial and performance reporting; and
- Determining if program activities are in compliance with laws, regulations, contract provisions, grant agreements, and other requirements.

The Office of the City Auditor may also perform some attestation engagements based on agreed-upon procedures, which consists of specific testing procedures performed on a subject matter.

Additionally, we perform other non-audit services such as investigating complaints received from the City's Fraud Hotline regarding allegations of fraud, waste, and abuse. We will perform investigations following the procedures recommended by the Association of Certified Fraud Examiners for allegations of improper financial activity, fraud, waste and/or abuse that appear to be material in nature.

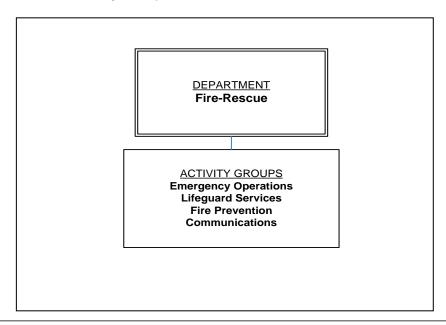
Citywide Risk Assessment - Fiscal Year 2016

Risk assessment is a process of systematically scoring (or rating) the relative impact of a variety of "risk factors." A risk factor is an observable or measurable indicator of conditions or events that could adversely affect the organization. Risk factors can measure inherent risks (such as a large organizational structure) or organizational vulnerability (such as level of cash and assets easily converted to cash).

The first step in creating the City's risk assessment model was to define the audit universe. The audit universe is a listing of all of the City's significant Auditable Units (all of the City's potential audits that could be performed). We created a list of City departments and significant City agencies and their primary Activity Groups as the Auditable Units. To accomplish this we utilized the City's FY 2016 proposed budget data from SAP and the component unit information in the City's most current financial statements. We have reduced the number of Activity Groups by combining some activities within departments in order to target more areas of risk using our existing resources, address cross-cutting issues which impact multiple units within a department, and create efficiencies in conducting future audits of Activity Groups. However, a department may still be broken out into several Activity Groups as in the example shown in **Exhibit 1**.

Exhibit 1

Sample Department and Activity Groups



The next step in creating the risk assessment model was to identify and rank the major risks associated with each of the City's significant Auditable Units (Activity Groups).

To achieve this, a management questionnaire which measured a variety of "risk factors" was developed, (See Attachment A – Management Questionnaire). City Management completed Management Questionnaires for the associated Activity Groups.

The questionnaire used had ten measurable risk factors as follows:

- 1. Interface with the external public.
- 2. "Mission critical" nature of Activity Group for the department to achieve its goals and objectives.
- 3. Support of internal operations is considered critical to achieving the objectives of other departments' mission or goals.
- 4. Failure to achieve the Activity Group's mission or goals leads to public displeasure or negative media coverage.
- 5. Level of cash or cash-convertible nature of Activity Group's transactions.
- 6. Activity Group's tracking and use of activity performance metrics.
- 7. Regulation effect or impact on operations.
- 8. Number of budgeted employees (FTE).
- 9. Level of budgeted annual revenues.
- 10. Level of budgeted annual expenses.

A Management Questionnaire was completed for each of the City's Auditable Units to determine a risk score of: 0 (low), 3 (medium-low), 5 (medium), 7 (medium-high), or 9 (high) for each of the ten risk factors listed above. The risk scores were used for risk factors 1 through 7 (listed above), and the risk scores for factors 8 through 10 (FTE, Revenue, Expenses) were updated based on the FY 2016 proposed budget. Audit staff reviewed the results, and based on professional judgment, adjusted scores if needed.

Additionally, weights were assigned to each factor based on relative importance as determined by input from audit staff (See Attachment B – Calculation of Weights Used for Risk Factors). A reduction in risk score was calculated for activities that have been audited in the prior three fiscal years.

The final step in completing the Citywide Risk Assessment was to calculate the total risk score for each Auditable Unit (list of the potential audits) in order of highest risk score to the lowest by tabulating the information gathered from the questionnaires and applying the weights assigned to the risk factors. We then calculated the overall risk score for each Activity Group, by stratifying the resulting rating in descending order by tenths, and identifying the top 30 percent (or those ranking 10, 9, or 8) as High Risk. The next 40 percent (ranking 7, 6, 5, or 4) were identified as Medium Risk, and the bottom 30 percent (score of 3, 2 or 1) of risk scores were ranked as Low Risk (See Attachment C – Citywide Risk Assessment).

Interpreting Risk Assessment Results

The weighted scores for ten risk factors were tabulated for each significant Departmental Activity Group identified in Attachment C -Citywide Risk Assessment, and the risk scores were considered when preparing the Audit Work Plan – FY 2016 that follows. The departments and Activity Groups with a high risk score merely indicates that the services they provide, or the functions they are responsible for, are by nature a high risk activity because of such factors as having a large amount of expenditures and revenues, having a high level of liquid assets such as cash, or a high degree of public interest. A high risk score does not mean that an Activity Group is being managed ineffectively or that it is not functioning properly. High risk areas may indicate opportunities to address activities which are mission critical, provide substantial support for other internal City operations, reflect high public need, or consume significant financial resources. The overall results identify the activities with the highest risk factors that may warrant and benefit from additional management action or audit services.

Audit Work Plan (July 2015 through June 2016)

In FY 2016, we are proposing an ambitious work plan to address areas of critical importance to the City. The following Audit Work Plan includes our scheduled performance audits as well as additional audit activities. Included is the tentative audit objective for each assignment and estimated audit hours.

We will perform an in depth risk assessment on each activity group selected for audit to ensure our audit objective covers the areas of highest risk for that Activity Group and adjust the audit objective, procedures, and hours accordingly. Performance audit objectives vary widely and may include assessments of program effectiveness, economy, and efficiency; internal control; compliance; and prospective analyses. Our estimated audit hours for each audit activity are based on an analysis of average audit hours for our prior year's audits, and our knowledge of the complexity of the Activity Groups selected for audit. The actual hours may vary based on the audit scope determined by the detailed risk assessment for each engagement, as well as the extent and complexity of findings revealed during audit testing.

Additions to Audit Work Plan

Requests to add audits to the Audit Work Plan during the fiscal year will be presented to the Audit Committee with a City Auditor analysis of the impact the proposed audit will have on the other audits on the Work Plan. Audit priority will be given to those requests that pertain to the health and safety of residents, potential for significant financial savings or increased revenues, or issues of integrity.

Audit Work Plan – Fiscal Year 2016

		PERFOR	MANCE AUDITS	FY 2016 – CARRY OVER FROM FY 2015 AUDIT WORK P	PLAN	
Work Plan Item No.	Risk Assess Ln #	Risk Score	Activity Group Audit	Audit Objectives	FY 2016 Audit Hours	Status
1	123	267	City's Fiscal Sustainability and Financial Condition	The objective of this audit is to review the fiscal sustainability and financial condition of the City of San Diego by analyzing trends in the City's financial data.	100	Report Writing
2	106	400	Business Improvement Districts	The objective of this audit is to review the efficiency and effectiveness of the Business Improvement Districts.	150	Report Writing
3	122	367	Code Enforcement Division	The objective of this audit is to review the efficiency and effectiveness of this program.	1,100	Fieldwork
4	35	549	Public Utilities – Overhead Rate Review	The tentative objective of this audit is to review the accuracy and reasonableness of overhead rates charged by City Departments for services provided to Public Utilities.	1,010	Planning

			PERFORM	IANCE AUDITS FY 2016 – PROPOSED AUDITS		
Work Plan Item No.	Risk Assess Ln #	Risk Score	Activity Group Audit	Audit Objectives	FY 2016 Audit Hours	Status
5	128	353	Purchasing and Contracting Department – Selected Contract Review	This audit is a follow-up to the audit of Citywide Contract Oversight, issued in FY 2015. The tentative objective of this audit is to review selected City contracts to evaluate areas of potential risk and loss to the City.	1,500	Planning
6	8	675	San Diego Police Department (SDPD) - Property and Evidence Room	The tentative objective of this audit is to evaluate the responses to and implementation of recommendations set forth in the FY 2015 San Diego County Grand Jury report pertaining to SDPD's controls over the Property and Evidence Room.	200	Not Started
7	7 20	682 597	SDPD and Public Works - Engineering & Capital Projects - Right of Way Design	The tentative objective of this audit is to evaluate the efficiency and effectiveness of the City's programs responsible for pedestrian safety.	1,600	Not Started
8	23	587	Development Services Department (DSD) - Permitting	The tentative objective of this audit is to review the efficiency and effectiveness of selected areas of DSD's permitting processes.	1,600	Not Started
9	1	762	Fleet Services	The tentative objective of this audit is to examine the efficiency and effectiveness of the management and operations of Fleet Services.	1,600	Not Started
10	4 6	710 682	Capital Improvements Program (CIP)	The tentative objective of this audit is to evaluate the efficiency and effectiveness of selected CIP project management and implementation issues.	2,000	Not Started

			PERFORM	IANCE AUDITS FY 2016 – PROPOSED AUDITS		
Work Plan Item No.	Risk Assess Ln #	Risk Score	Activity Group Audit	Audit Objectives	FY 2016 Audit Hours	Status
11	28	578	San Diego Public Libraries	The tentative objective of this audit is to evaluate the efficiency and effectiveness of the management and operations of the San Diego Public Libraries.	1,400	Not Started
12	7 26	682 582	Transportation and Storm Water Department -Street Division and Public Works - Engineering & Capital Projects - Right of Way Design	The tentative objective of this audit is to examine various issues pertaining to street trenching and paving issues, including, but not limited to, an evaluation of adherence to the requirements set forth in the City's Street Preservation Ordinance.	1,500	Not Started
13	16	626	San Diego Housing Commission	The tentative objective of this audit is to evaluate the efficiency and effectiveness of the management and operations of the San Diego Housing Commission.	2,000	Not Started
14	95	415	Convention Center	The tentative objective of this audit is to evaluate the efficiency and effectiveness of the management and operations of the San Diego Convention Center.	2,000	Not Started
15	N/A	N/A	IT Risk Assessment	The Office of the City Auditor will conduct a Risk Assessment on the City's IT Infrastructure and based on the level of risk the OCA will create a schedule of on-going IT audits.	560	Planning
16	N/A	N/A	IT Audits	An IT audit work plan will be prepared based on the IT Risk Assessment and scheduled for review during the fiscal year. Potential audit areas may include a review of existing SDPD surveillance and data collection programs, and an evaluation of SAP controls.	2,090	Not Started

			A	DDITIONAL AUDIT ACTIVITIES FY 2016		
Work Plan Item No.	Risk Assess Ln #	Risk Score	Activity	Description	FY 2016 Audit Hours	Status
17	N/A	N/A	Fraud, Waste and Abuse Hotline	The Office of the City Auditor administers the City's Fraud Hotline to provide individuals a way to confidentially report evidence of fraud, waste or abuse involving City of San Diego employees or operations. Investigations are performed for all material accusations.	1,410	On-going
18	N/A	N/A	Follow-up on Previously Issued Audit Reports	The Office of the City Auditor tracks and follows-up on all audit recommendations to determine if they were properly implemented by City management.	700	On-going
19	N/A	N/A	Close-out Audits	Close-out audits are required by the City Charter, Article VII, Section 111 when City Officials leave office. The primary audit objective is to verify that there are no outstanding debts owed by the City Official to the City, and to ensure that access to critical information and processes has been revoked. Each Close-out audit takes approximately 40 hours to complete and we estimate approximately 6 audits may be necessary in FY 2016.	240	As Necessary

			A	ADDITIONAL AUDIT ACTIVITIES FY 2016		
Work Plan Item No.	Risk Assess Ln #	Risk Score	Activity	Description	FY 2016 Audit Hours	Status
20	N/A	N/A	Annual Mission Bay Fund Audit FY15	The Annual Mission Bay Funds Audit is required by the City Charter, Article V, Section 55.2 (e). The objective of this audit is to verify the prior fiscal year collection, allocation, and use of Mission Bay Funds are in compliance with City Charter requirements.	400	Not Started
21	N/A	N/A	Annual Central Stores Inventory Audit FY16	The San Diego Municipal Code Section §22.0501 requires an annual count of inventory in City storerooms and warehouses. The objective of this audit is to confirm the valuation of Central Stores inventory.	40	Not Started
		23,100				

Additional Potential Audits

Due to limited staff resources, we will not be able to accommodate all requests for audit services or risk areas identified by the FY2016 Citywide Risk Assessment. In the event we complete all planned audits, we propose initiating audits from the below list.

- Real Estate Assets Department Leasing Practices
- Real Estate Assets Department City-owned Parking Facilities and Management Contracts
- Risk Management Department Workers Compensation
- Transportation and Storm Water Department / Streets Division Streetlight Installation
- Transportation and Storm Water Department / Storm Water Division Storm Drain Fund
- Comprehensive General Fund User Fees
- Maintenance Assessment Districts and Business Improvement Districts Assessment District Formation Process

Next Steps

I will provide the Audit Committee with monthly activity reports describing the status and progress towards completing the audit assignments listed, as well as quarterly fraud hotline statistics reports. The Audit Committee will receive the results of all completed audits in the form of an audit report, and I will present audit results at scheduled Audit Committee and City Council meetings upon request.

Respectfully submitted,

Eduardo Luna City Auditor

Attachment A

Office of the City Auditor Annual Risk Assessment Management Questionnaire

1. To what extent does your activity group interface with the external public?

<u>Description / Purpose</u>: Assess how frequently your activity group works/interacts directly with the public or City residents. Little to no interaction is not a negative indicator, but rather an indicator that your activity group serves internal customers – internal customer interaction is addressed in question 3.

- a. None.
- b Rarely or infrequently.
- c. Monthly to quarterly level of interface.
- d Weekly level of interface.
- e. Continual interface with the external public several times daily or more.
- 2. To what extent is your activity group considered to be "mission critical" for the department to achieve its goals and objectives?

<u>Description / Purpose</u>: Ascertain the significance that your activity group plays in <u>your</u> <u>department's</u> overall mission relative to other activity groups. Little to no contribution is not a negative indicator, but rather an indicator that your activity group may provide services and be focused on other internal customers.

- a. No contribution towards the department's goals / objectives.
- b. Minimal contribution towards attaining the department's goals and objectives.
- c. Moderate contribution towards attaining the department's goals and objectives.
- d. Significant contribution towards attaining the department's goals and objectives. The success of the department's goals and objectives is fully dependent on this
- e. activity group.
- 3. To what extent does your activity group support internal operations or are considered critical to achieving the objectives of <u>other</u> entity's/department's mission/goals?

<u>Description / Purpose</u>: Determine the level of support and role your department plays in helping other departments achieve their overall mission. This question identifies the interconnectedness that one activity group has with other internal operations.

- a. No support provided to other operations / departments.
- b. Infrequent (i.e. annual) support provided to other operations / departments.
- c. Periodic (i.e. monthly) support provided to other operations / departments.
- d. Regular (i.e. weekly) support provided to other operations / departments.
- e. Ongoing support provided to other operations / departments every day.

4. To what extent would failure to achieve your activity group's mission or goals lead to public displeasure or negative media coverage?

<u>Description / Purpose</u>: Assess how the activity group's level of visibility to the public, public interest in the group's activities, interest of the media, or other public safety related factors would lead to an increased potential loss or embarrassment if the activity group did not perform its critical mission or goals. This could also be called the newspaper test – how much negative press or public disapproval would a failure cause?

- a. No risk of loss or embarrassment.
- b. Low risk of loss or embarrassment.
- c. Moderate risk of loss or embarrassment.
- d. Significant risk of loss or embarrassment.
- e. Very high risk of loss or embarrassment.

5. To what extent is there potential loss due to the cash or cash convertible nature of your activity group's transactions?

<u>Description / Purpose</u>: Assess the risk associated with cash or cash-convertible assets. Be sure to factor in the amount of cash collected as compared to business transacted by other means (credit card, electronic funds transfer, invoice, journal entry, etc), as well as risks associated with the volume, type and nature of existing assets that are susceptible to theft such as equipment, supplies and inventories.

- a. None.
- b. Minimal amount of cash transactions or assets are difficult to convert to cash.

 Moderate amount of cash transactions or assets can be converted to cash with
- c. some difficulty.
- d. Nature of operations is primarily cash or assets are easily converted to cash.
- e. Fully cash or cash equivalent operations.

6. To what extent does your activity group track activity performance / metrics?

<u>Description / Purpose</u>: Determine the extent to which your activity group captures, assesses, and responds to performance measurement data.

- We continuously capture performance metrics on key operations, assess
- a. achievement of goals and trends in the information, and adjust operations to improve upon our performance in all key areas.
 - We track performance information in all key operations, assess and use data to
- b. improve operations, but we do not engage this process in a continuous, fluid manner.
- We track performance information in all our key operations and may assess data to some extent, but we do not use data to improve performance in all key areas.
- d. We collect some performance information, but the information does not account for all our key operations or we do not assess the data.
- e. We do not track performance measures or metrics.

7. To what extent do regulations affect or have impact on operations?

<u>Description / Purpose</u>: Assess how government regulations (federal, state, or local) impact your activity group operations and the exposure to sanctions and potential penalties for noncompliance. Please be sure to factor in the complexity, volume, and change in regulations, including ordinances, municipal codes, administrative regulations, MOUs, federal and state laws and regulations, contract conditions, and grant provisions that pertain to your department.

- a. None.
- b. Few regulations and little risk of noncompliance.
- c. Risk of either substantial regulations or significant penalties.
- d. Complex, voluminous, or frequently changing regulations with significant penalties.
- e. Heavily regulated with serious consequences for noncompliance.

The information detailed below was obtained from the FY 2012 Proposed Budget and scored accordingly.

8. Total number of budgeted full time employees (FTEs) for this Activity Group

- a. None.
- b. Greater than 0 to 10.
- c. Greater than 10 to 25.
- d. Greater than 25 to 75.
- e. Greater than 75.

9. Total annual budgeted revenues for this Activity Group

- a. \$0 to \$500,000.
- b. \$500,001 to \$5,000,000.
- c. \$5,000,001 to \$10,000,000.
- d. \$10,000,001 to \$25,000,000.
- e. Greater than \$25,000,000.

10. Total annual budgeted expenditures for this Activity Group

- a. \$0 to \$1,000,000.
- b. \$1,000,001 to \$10,000,000.
- c. \$10,000,001 to \$25,000,000.
- d. \$25,000,001 to \$40,000,000.
- e. Greater than \$40,000,000.

Attachment B

CITY OF SAN DIEGO Citywide Risk Assessment FY2015 Calculation of Weights Used for Risk Factors (Based on City Auditor Staff Input)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)				
COMPARATIVE RISK FACTORS	Interface with the external public.	"Mission critical" nature of activity group for the department to achieve its goals and objectives.	Support of internal operations is considered critical to achieving the objectives of other entity's/department's mission/goals.	Failure to achieve the activity group's mission or goals leads to public displeasure or negative media coverage.	Potential loss due to the cash or cash convertible nature of your activity group's transactions.	Activity group's tracking of activity performance / metrics.	Regulations affect or impact on operations.	Number of Budgeted Employees (FTE).	Budgeted Annual Revenues.	Budgeted Annual Expenses.	Total	Percent	Weight	Maximum Possible Score [1]
Interface with the external public.		3	3	5	4	4	6	5	2	0	32	6.49%	6	54
"Mission critical" nature of activity group for the department to achieve its goals and objectives.	8		8	9	7	6	8	7	5	4	62	12.58%	13	117
3. Support of internal operations is considered critical to achieving the objectives of other entity's/department's mission/goals.		3		8	6	7	9	8	4	2	55	11.16%	11	99
Failure to achieve the activity group's mission or goals leads to public displeasure or negative media coverage.	6	2	3		6	6	6	6	1	0	36	7.30%	7	63
5. Potential loss due to the cash or cash convertible nature of your activity group's transactions.	7	4	5	5		5	7	6	2	2	43	8.72%	9	81
6. Activity group's tracking of activity performance / metrics.	7	5	4	5	6		8	4	1	0	40	8.11%	8	72
7. Regulations affect or impact on operations.	5	3	2	5	4	3		5	2	0	29	5.88%	6	54
8. Number of Budgeted Employees (FTE).	6	4	3	5	5	7	6		2	0	38	7.71%	8	72
9. Budgeted Annual Revenues.	9	6	7	10	9	10	9	9		2	71	14.40%	14	126
10. Budgeted Annual Expenses.	11	7	9	11	9	11	11	9	9		87	17.65%	18	162
Total	67	37	44	63	56	59	70	59	28	10	493	100.0%	100	900

Notes:

Eleven staff members in the Office of the City Auditor were asked to record if they felt the factors listed on the left of this schedule has a greater level of inherent risk when compared to the factor listed on top of the schedule. The numbers above represent the results of this survey and will be used to calculate the weighted risk factors in the Citywide Risk Assessment.

e.g. The items highlighted above show that 11 people felt that the Budgeted Annual Expenses has greater inherent risk to a department's Interface with the external public, and 7 people felt that the Budgeted Annual Expenses has greater inherent risk than "mission critical" activities for a department to achieve their goals and objectives.

[1] City management was asked to answer a questionnaire for each of their Activity Groups, which had risk scores of 0, 3, 5, 7, 9, (with 0 as low risk and 9 as highest risk) for each of the 10 risk factors listed above (See Citywide Risk Assessment Questionnaire). The highest score that a single risk factor can be given is 9 multiplied by its weighted factor. Overall the highest risk score that an Auditable Unit can achieve is 900, as shown in the left hand column above.

[21]

[20]

[22]

City of San Diego Citywide Risk Assessment FY 2016

Attachment C

[5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [23] [24] See Footnotes for explanations of columns → [1] [2] [3] [4] Adjusted Wt Risk Risk Rank Ln # Department **Activity Group** FTEs Exp Rev ExP MC InOp Pub Csh Met Score Adjustments Score 10ths Reas **FTEs** Rev MC InOp Pub Csh Met Exp Regs Public Works - General Services Fleet Services Developed Regional Parks Park & Recreation Police Administration Public Works - Engineering & Capital Projects Field Engineering Fire-Rescue mergency Operations Public Works - Engineering & Capital Projects Project Implementation Public Works - Engineering & Capital Projects Right-of-Way Design Police Neighborhood Policing Park & Recreation Open Space Public Works - Engineering & Capital Projects Architectural Engineering & Parks Police Centralized Investigations Water Water Operations & Engineering City Attorney Civil Advisory a Water Construction & Maintenance Metropolitan Wastewater - Metro Wastewater Treatment & Disposal San Diego Housing Commission **Environmental Services** Waste Reduction & Disposal (153.6)City Attorney Criminal Litigation **Environmental Services** Collection Services Police **Patrol Operations** QR. (149.2)City Attorney Civil Litigation q **Development Services** Project Submittal & Management q Development Services Land Development Review Department of Information Technology Enterprise Resource Planning Library Central Library Transportation & Storm Water ત (145.6) Street Environmental Growth 2/3 Park & Recreation Library **Branch Libraries** (144.0) Transportation & Storm Water Storm Water **Environmental Services** Energy Sustain. & Environ. Protection g (141.6) Transportation & Storm Water Admin & Right-of-Way Coordination Transportation & Storm Water Transportation Engineering Operations Planning QUALCOMM Stadium Public Utilities Public Utilities (137.2 Facilities Financing Program Metropolitan Wastewater - Muni Wastewater Collection **Environmental Services** Office of the Director Water Reservoir Management City Attorney Administration Water Meter Services Fire-Rescue Fire Prevention Public Utilities EPM Building & Safety (131.8) Development Services **Emergency Medical Services** City Treasurer Business Tax City Clerk Elections & Information Services Park & Recreation Community Parks I (128.8)Police Administrative Services (128.4)**Development Services** Administration & Support Services City Attorney Community Justice Office of the Mayor Metropolitan Wastewater - Muni Wastewater Treatment & Disposal City Clerk egislative Services (124.6) **Public Utilities Public Utilities Employee Services and Quality Assurance**

Programme	Ln#	Department	Activity Group		Wt FTEs		Wt Exp		Wt Rev	,	Wt ExP		Wt MC		Wt InOp		Wt Pub		Wt Csh		Wt Met		Wt Regs	Risk Score	Adjustments	Adjusted Risk Score	Rank 10ths
Section Conference 1	- 7	David & Dagraphian	Company mite - Double II	FTEs	8	Exp	-	Rev				MC				Pub		Csh	9	Met	8	Regs		620	(124.0)	406	7
Confect Conf			1					0		_		7				7							_		(124.0)		7
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Conference Con			Customer Support Service			-		0				9				,		_		0			_		(121.2)		6
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Martin			Environmental Growth 1/3	0		3		3				7		5		9		_		5							6
Formation Programmer Prog	64	Water	Division Management	0	0	9	162	0	0	5	30	9	117	7	77	5		0		3		5	30	475		475	6
Page	65	Department of Information Technology	Wireless Technology Services	5	40	5	90	3	42	3	18	3	39	9	99	9	63	3	27	0	0	9	54	472		472	6
Pearly Clear November 1	66	Office of the Chief Financial Officer	•	0	0	3	54	0	0	5	30	9	117	9		9	63	3		3	24	9	54	468		468	6
Process	67	Public Utilities	FIT	7	56	9	162	0	0	5	30	7	91	9	99	9	63	3	27	0	0	9	54	582	(116.4)	466	6
Performance Configerations Confige	68	City Clerk	Records Management	3	24	3	54	0	0	5	30	9	117	9	99	9	63	0	0	3	24	9	54	465		465	6
Programmer System 1,5 40 5,9 5,9 0,0 0,0 1,17 5,5 5,7 7,9 9,127 3,24 5,30 402 1,18 403	69	City Treasurer	Delinquent Accounts	5	40	3	54	3	42	9	54	7	91	9	99	3	21	5	45	0	0	3	18	464		464	6
The September of Information Fectorology 5 80 5 90 3 82 9 5 4 7 91 9 99 8 3 3 0 5 80 9 9 4 57 (1146) 459	70	Park & Recreation	Golf Operations	7	56	7	126	5	70	9	54	5	65	5	55	7	49	7	63	3	24	3	18	580	(116.0)	464	6
Provide the Part Set Column Provided P	71	City Retirement System		5	40	5	90	0	0	5	30	9	117	5	55	7	49	3	27	3	24	5	30	462		462	6
76 Public Uniformation Technology Department of Information Technology Department of Information Technology 1	72		Information Technology	5				3				7				,		_		5					(114.6)		6
Public Nations								0		_		_				_		_		·							6
For Provide Works - General Services Sacilities 9, 72, 7, 126, 3, 42, 3, 16, 9, 117, 9, 99, 7, 49, 5, 46, 5, 30, 638, 191-14, 447								5		_						_		_									6
Present Pres								0	_	_		_						_					_				6
Real Estate Assets						-		3	_	_		_		_		_		_		_					(191.4)		5
Page		, ,	. ·		_			0	_	_								_		,			_				5
Bett & Recentation			Lifeguard Services					3				_						_		_			_				5
81 Park & Recreation	-				_			9	_	_		9				5									(189.0)		5
Second Communication 1			·		_			3	_	_		7				7							_				5
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March Public Works - Contracts								0		_		_				7		_				_	_				5
86 City-Treasurer								0	_	_		_				_				_		_	_		(5
86 Ciry Treasurer Parking Meter Operations 3			6 110					3				9		_		_		_						_	(106.8)		5
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90 Risk Management Public Liability & Loss Recovery 3 24 3 54 0 7 126 3 42 9 177 77 7 7 49 3 27 0 0 3 18 420 420 420 170 170 170 170 170 170 170 170 170 17		3	Equal Opportunity Contracting		_	1990		2		_		7				/		_					_	_			5
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94 Purchasing & Contracting Central Stores 3 24 7 126 5 70 9 54 7 91 9 7 63 0 0 3 18 594 (1782) 415 95 San Diego Convention Center Corporation 9 72 9 162 7 98 9 54 7 91 5 55 7 49 3 27 0 0 7 42 3 18 594 (1782) 415 96 Fire-Recue Logistic 3 24 3 54 0 0 7 49 0 0 7 42 413 413 97 Personnel Personnel Management 0 0 3 54 3 42 3 18 7 91 7 77 7 49 3 27 3 24 5 30 412 412 19 City Comptroller BOA Enterprise & Debt 5	-		Solid Waste Local Enforcement Agency					0		_		1				,		_				_					4
San Diego Convention Center Corporation		-		_	_			5	_	_		7				_		_					_		(178.2)		4
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9 City Comptroller RDA Enterprise & Debt 5 40 3 54 0 0 0 3 18 7 91 7 77 7 49 3 27 3 24 5 30 410 410 410 100 Fire-Rescue Fire-Rescue Fire-Rescue Fire-Rescue 0 0 3 54 0 0 0 9 54 9 117 7 77 9 663 0 0 0 0 7 42 407 407 407 102 103 Fire-Rescue Emergency Medical Services 1 0 0 3 54 0 0 0 7 42 7 91 7 77 5 35 35 3 27 3 24 5 30 407 407 102 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 3 54 0 0 0 7 42 7 91 7 77 5 35 35 3 27 3 24 5 30 404 404 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 3 54 0 0 0 7 42 7 91 5 55 9 63 0 0 0 0 7 42 401 401 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 3 54 0 0 0 7 42 7 91 5 55 9 63 0 0 0 0 7 42 401 401 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 7 54 0 0 0 7 42 7 91 5 55 9 63 0 0 0 0 7 42 7 10 10 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 7 54 0 0 0 7 12 10 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 7 54 0 0 7 12 10 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 7 54 0 0 0 7 12 10 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 7 12 10 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 7 12 10 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 7 12 10 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 7 12 10 10 103 Fire-Rescue Emergency Medical Services-Fire 0 0 0 7 12 10 10 10 10 10 10 10 10 10 10 10 10 10								3				_				7		_						_			4
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Special Promotional Programs Discretionary Funding O O 7 126 O O O 7 91 5 55 7 49 O O 7 56 3 18 395 395	102	City Treasurer	City Treas and Suppt	3	24	3	54	0	0	7	42	7	91	7	77	5	35	3	27	3	24	5	30	404		404	4
105 City Comptroller Gov't Accounting Grants & CIP 3 24 3 54 0 0 3 18 7 91 7 77 7 49 3 27 3 24 5 30 394 394 394 394 394 394 394 394 394 394	103	Fire-Rescue	Emergency Medical Services-Fire	0	0	3	54	3	42	9	54	7	91	5	55	9	63	0	0	0	0	7	42	401		401	4
106 Economic Development Small Business & Neighborhoods 3 24 3 54 0 0 9 54 5 65 3 33 9 63 3 27 7 56 3 18 394	104	Special Promotional Programs	Discretionary Funding	0	0	7	126	0	0	0	0	7	91	5	55	7	49	0	0	7	56	3	18	395		395	4
Infrastructure/Public Works 0 0 0 3 54 0 0 0 7 42 7 91 7 77 7 49 3 27 3 24 5 30 394 394 394	105	City Comptroller	Gov't Accounting Grants & CIP	3	24	3	54	0	0	3	18	7		7	77	7	49	3		3	24	5	30	394		394	4
Department of Information Technology			Small Business & Neighborhoods	3	_	3		0		_		5		3		9		3		7			18	57.			3
109 City Treasurer Parking Administration 3 24 3 54 0 0 9 54 5 65 5 55 9 63 5 45 0 0 5 30 390 390 390 390 110 Fire-Rescue Administrative Operations 5 40 3 54 3 42 9 54 7 91 9 99 99 63 3 27 7 56 5 30 556 (166.8) 389 111 Library Library Administration 3 24 3 54 0 0 7 42 9 117 5 55 7 49 3 27 0 0 3 18 386 386 386 112 Park & Recreation Los Penasquitos Reserve 0 0 0 0 0 0 9 54 7 91 5 55 9 63 3 27 5 40 9 54 384 384 113 Major Revenues 0 0 0 0 0 0 9 126 3 18 7 91 5 55 9 63 0 0 0 0 5 30 383 383 144 Economic Growth Services 3 24 3 54 0 0 7 42 7 91 3 33 55 35 3 27 7 56 3 30 380 380 380 116 Risk Management Workers' Compensation 5 40 3 54 0 0 7 42 7 91 9 99 9 63 0 0 0 0 5 30 380 380 116 City Treasurer Investments 0 0 3 54 0 0 5 30 7 91 9 99 9 63 0 0 0 7 42 379 379 117 Ethics Commission 18 10 10 10 10 10 10 10 10 10 10 10 10 10								0	_	_		7				7				_	24		_				3
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115 Risk Management Workers' Compensation 5 40 3 54 0 0 0 9 117 7 77 5 35 3 27 0 0 5 30 380 380 116 City Treasurer Investments 0 0 3 54 0 0 5 30 7 91 9 9 9 9 63 0 0 0 0 7 42 379 379 117 Ethics Commission 0 0 3 54 0 0 9 54 9 117 3 33 9 63 0 0 0 0 377 377		,	5 . 6 . 16 .		_				_	_		7								0			_				3
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			Wt		Wt		Wt		Wt		Wt		Wt		Wt		Wt		Wt		Wt	Risk		Risk	Rank
Ln # Department	Activity Group		FTEs	-	Exp		Rev		ExP		MC		InOp		Pub		Csh		Met		Regs	Score	Adjustments	Score	10ths
440 5: 1144	In I also is a con-	FTEs	8	Exp		Rev	14	ExP	6	MC	13	InOp		Pub	7 35	Csh	9	Met	8	Regs			1	277	
119 Financial Management	Budget Monitoring & CIP	3	24	3	54	0	0	5	30	9		9	99	5		0	0	0	0	3	18	377	(0.1.0)	377	3
120 Water	Water Operations	0	0	3	54	0	0	9	54	9	117		77	9	63	3	27	3	24	9	54	470	(94.0)	376	3
121 Personnel	Recruiting & Exam Management	3	24	3	54	0	0	9	54	9	117	9	99	5	35	3	27	3	24	5	30	464	(93)	371	2
122 Development Services	Code Enforcement	5	40	5	90	0	0	9	54	9	117	5	55	7	49	0	0	3	24	5	30	459	(91.8)	367	2
123 Office of the Chief Operating Officer		0	0	3	54	0	0	5	30	9	117	7	77	5	35	0	0	3	24	5	30	367		367	2
124 Risk Management	Department Management	0	0	3	54	5	70	3	18	9	117	5	55	5	35	0	0	0	0	3	18	367		367	2
125 City Treasurer	Treasury Accounting	3	24	3	54	0	0	7	42	7	91	9	99	5	35	0	0	0	0	3	18	363		363	2
126 Police	Family Justice Center	0	0	3	54	0	0	9	54	7	91	5	55	9	63	0	0	3	24	3	18	359		359	2
127 Citywide Program Expenditures		0	0	9	162	0	0	0	0	5	65	5	55	0	0	0	0	7	56	3	18	356		356	2
128 Purchasing & Contracting	Purchasing & Contracting	5	40	5	90	0	0	9	54	7	91	9	99	7	49	3	27	3	24	5	30	504	(151.2)	353	2
129 Risk Management	Employee Benefits	3	24	3	54	0	0	0	0	9	117	7	77	3	21	3	27	0	0	5	30	350		350	2
130 Financial Management	Financial Management	3	24	3	54	0	0	0	0	9	117	9	99	5	35	0	0	0	0	3	18	347		347	2
131 Debt Management		3	24	3	54	0	0	5	30	9	117	7	77	7	49	3	27	3	24	5	30	432	(86.4)	346	2
132 Special Promotional Programs	Arts, Culture, & Community Festivals	0	0	5	90	0	0	3	18	3	39	5	55	7	49	0	0	9	72	3	18	341		341	2
133 Citywide Other/Special Funds		0	0	9	162	9	126	3	18	9	117	5	55	5	35	0	0	3	24	5	30	567	(226.8)	340	2
134 Risk Management	Safety & Environmental	0	0	3	54	0	0	3	18	9	117	9	99	3	21	0	0	0	0	5	30	339		339	2
135 Internal Operations		0	0	0	0	0	0	0	0	9	117	9	99	7	49	0	0	5	40	5	30	335		335	2
136 Public Works - Engineering & Capital Projects	Engineering & Capital Projects	0	0	0	0	0	0	9	54	9	117	9	99	9	63	3	27	0	0	9	54	414	(82.8)	331	1
137 Concourse & Parking Garage		0	0	3	54	3	42	5	30	5	65	3	33	5	35	3	27	3	24	3	18	328		328	1
138 Special Events		0	0	3	54	0	0	9	54	9	117	7	77	7	49	0	0	3	24	5	30	405	(81.0)	324	1
139 Public Works - General Services	Administration	3	24	3	54	0	0	7	42	7	91	0	0	3	21	0	0	7	56	3	18	306		306	1
140 Performance & Analytics		3	24	3	54	0	0	3	18	7	91	7	77	3	21	0	0	0	0	3	18	303		303	1
141 Public Works - General Services	Publishing Services	3	24	3	54	3	42	0	0	7	91	9	99	5	35	3	27	3	24	5	30	426	(127.8)	298	1
142 City Comptroller	Payroll & Disbursements	3	24	3	54	0	0	3	18	7	91	9	99	7	49	3	27	3	24	5	30	416	(125)	291	1
143 Economic Development	BID & Commercial MAD	0	0	3	54	3	42	7	42	5	65	3	33	9	63	3	27	7	56	3	18	400	(120.0)	280	1
144 Office of Homeland Security		3	24	3	54	3	42	3	18	5	65	5	55	7	49	3	27	3	24	5	30	388	(116.4)	272	1
145 Special Promotional Programs	Economic Development Programs	0	0	3	54	0	0	0	0	3	39	3	33	7	49	0	0	9	72	3	18	265		265	1
146 City Treasurer	Revenue Audit	0	0	3	54	0	0	7	42	5	65	3	33	5	35	0	0	0	0	3	18	247		247	1
147 Economic Development	Economic Development	0	0	5	90	3	42	3	18	3	39	3	33	3	21	0	0	7	56	0	0	299	(89.7)	209	1
148 City Comptroller	CAFR & Financial Reporting	0	0	0	0	0	0	3	18	7	91	5	55	7	49	3	27	3	24	5	30	294	(88)	206	1
149 Airports		3	24	3	54	3	42	5	30	3	39	0	0	3	21	3	27	0	-0	5	30	267	(80.1)	187	1
the free factories	1					_						Ū				_			_ <u>`</u>				(55.17)	.57	

Note: Individual City Council Offices were not surveyed due to a conflict of interest, since the Office of the City Auditor reports directly to the Audit Committee of the City Council.

Footnotes:

- [1] FTE Risk score associated with the number of budgeted full time employees (FTE). See Exhibit A Management Questionnaire, question number 8.
- [2] Wt FTE A weight (wt) of 8 was multiplied by the FTE risk score. See Exhibit B Calculation of Weights Used for Risk Factors, line number 8.
- [3] Exp Risk score associated with the amount of budgeted expenditures (Exp). See Exhibit A Management Questionnaire, question number 10.
- [4] Wt Exp A weight (wt) of 18 was multiplied by the Exp risk score. See Exhibit B Calculation of Weights Used for Risk Factors, line number 10.
- [5] Rev Risk score associated with the amount of budgeted revenue (Rev). See Exhibit A Management Questionnaire, question number 9.
- [6] Wt Rev A weight (wt) of 14 was multiplied by the Rev risk score. See Exhibit B Calculation of Weights Used for Risk Factors, line number 9.
- [7] ExP Risk score associated with Interface with the external public (ExP). See Exhibit A Management Questionnaire, question number 1.
- [8] Wt ExP A weight (wt) of 6 was multiplied by the ExP risk score. See Exhibit B Calculation of Weights Used for Risk Factors, line number 1.
- [9] MC Risk score associated with the "Mission Critical" activities (MC). See Exhibit A Management Questionnaire, question number 2.
- [10] Wt MC A weight (wt) of 13 was multiplied by the MC risk score. See Exhibit B Calculation of Weights Used for Risk Factors, line number 2.
- [11] InOp Risk score associated with the Internal Operations (InOp). See Exhibit A Management Questionnaire, question number 3.
- $\textbf{[12]} \ \ \textbf{Wt InOp-A weight (wt) of 11 was multiplied by the InOp risk score. See Exhibit B-Calculation of Weights Used for Risk Factors, line number 3.}$
- [13] Pub Risk score associated with public (Pub) exposure and interest. See Exhibit A Management Questionnaire, question number 4.
 [14] Wt Pub A weight (wt) of 7 was multiplied by the Pub risk score. See Exhibit B Calculation of Weights Used for Risk Factors, line number 4.
- [15] Csh Risk score associated with Cash or cash convertible (Csh). See Exhibit A Management Questionnaire, question number 5.
- [16] Wt Csh A weight (wt) of 9 was multiplied by the Csh risk score. See Exhibit B Calculation of Weights Used for Risk Factors, line number 5.
- [17] Met Risk score associated with Performance/Metrics (Met). See Exhibit A Management Questionnaire, question number 6.
- [18] Wt Met A weight (wt) of 8 was multiplied by the Met risk score. See Exhibit B Calculation of Weights Used for Risk Factors, line number 6.
- [19] Regs Risk score associated with compliance with laws and regulations (Regs). See Exhibit A Management Questionnaire, question number 7.
- [20] Wt Regs A weight (wt) of 6 was multiplied by the Regs risk score. See Exhibit B Calculation of Weights Used for Risk Factors, line number 7.
- [21] Risk Score This is the total risk score calculated by adding together all of the nine weighted risk scores.
- [22] Adjustment for prior year audits
- [23] Adjusted Risk Score This is the total adjusted risk score calculated adjusting [21] as appropriate.
- [24] Rank 10ths The activity groups were divided into tenths. Rank 10, 9, 8 (High Risk) 7, 6, 5, 4 (Medium Risk) 3, 2, 1 (Low Risk).