File No. <u>211294</u>

Committee Item No. 2 Board Item No. 4

COMMITTEE/BOARD OF SUPERVISORS

AGENDA PACKET CONTENTS LIST

Committee: Rules Committee

Board of Supervisors Meeting

Date March 7, 2022

Date March 22, 2022

Cmte Board

	Motion Resolution Ordinance Legislative Digest Budget and Legislative Analyst Report Youth Commission Report Introduction Form Department/Agency Cover Letter and/or Report Memorandum of Understanding (MOU) Grant Information Form Grant Budget Subcontract Budget Contract/Agreement Form 126 - Ethics Commission Award Letter Application
	Application Form 700 Vacancy Notice
	Information Sheet Public Correspondence
OTHER	(Use back side if additional space is needed)

Completed by:	Victor Young	Date Mar 3, 2022
Completed by:	-	Date

FILE NO. 211294

AMENDED IN COMMITTEE 3/7/2022

ORDINANCE NO.

1	[Administrative Code - Office of Cyber Security; Chief Information Security Officer]
2	
3	Ordinance amending the Administrative Code to establish the Office of Cyber Security
4	and the position of Chief Information Security Officer (CISO) who, in coordination with
5	department technology professionals, is responsible for preventing, detecting, and
6	remediating the damage to City infrastructure and information resources from cyber-
7	related incidents; require departments to appoint a Department Information Security
8	Officer; add the CISO as a permanent member of the Committee on Information
9	Technology (COIT); name the City Administrator or designee as Chair of COIT; and
10	provide that the City Administrator with the Mayor's concurrence appoints the Chief
11	Information Officer (CIO).
12	NOTE: Unchanged Code text and uncodified text are in plain Arial font.
13	Additions to Codes are in <u>single-underline italics Times New Roman font</u> . Deletions to Codes are in <u>strikethrough italics Times New Roman font</u> .
14	Board amendment additions are in <u>double-underlined Arial font</u> . Board amendment deletions are in strikethrough Arial font.
15	Asterisks (* * * *) indicate the omission of unchanged Code subsections or parts of tables.
16	
17	Be it ordained by the People of the City and County of San Francisco:
18	
19	Section 1. Chapter 22A of the Administrative Code is hereby amended by revising
20	Sections 22A.3 and 22A.4, to read as follows:
21	SEC. 22A.3. COMMITTEE ON INFORMATION TECHNOLOGY.
22	Establishment and Composition. There is hereby created a Committee on
23	Information Technology (COIT).
24	(a) COIT shall be composed of seven <i>eight</i> permanent members consisting of the
25	Mayor, the President of the Board of Supervisors, the Controller, the City Administrator, the

1 Clerk of the Board of Supervisors, the Executive Director of the Human Rights Commission, 2 and the Chief Information Officer (CIO), and the Chief Information Security Officer (CISO), or their 3 designees. The Mayor, the President of the Board of Supervisors, the Controller, the City 4 Administrator, the Clerk of the Board of Supervisors, the Executive Director of the Human Rights 5 Commission, and the CIO, shall elect a Chair, who shall serve for a two-year term. All of the 6 permanent members of COIT shall be eligible to serve as Chair. The City Administrator or the City 7 Administrator's designee shall serve as Chair. Five additional Department Heads shall be 8 recommended by the Chair and approved by the permanent members for two-year terms, one 9 representing each of the major service areas: (a) Public Protection, (b) Human Welfare and 10 Neighborhood Development, (c) Community Health, (d) Culture and Recreation, and (e) 11 General Administration and Finance; and three additional non-permanent members 12 representing the major service area of Public Works, Transportation, and Commerce. The 13 seven eight permanent members and eight non-permanent members will shall be voting 14 members of COIT. 15 * * * * 16 SEC. 22A.4. CHIEF INFORMATION OFFICER. 17 (a) **Establishment and Composition:** There is hereby created the position of Chief 18 Information Officer (CIO) for the City and County of San Francisco. The CIO shall: 19 (1) Be appointed by the <u>*City Administrator*</u>, <u>with the concurrence of the</u> Mayor. 20 (2) Serve as a permanent member of the Committee on Information 21 Technology (COIT) with the authority and responsibility to develop recommendations and 22 implement COIT standards, policies, and procedures for all City Departments. 23 (3) Serve as the Director of the Department of Technology with responsibility 24 for making recommendations regarding development, implementation, maintenance, 25 operation, and support of all citywide ICT.

Mayor Breed BOARD OF SUPERVISORS 1

2	(b) Purpose and Duties: The CIO shall (i) monitor trends and advances in ICT; (ii)
3	advise the Mayor, Board of Supervisors, and City Departments regarding opportunities to
4	provide higher quality, more timely, and more cost-effective governmental services; (iii)
5	ensure coordinated and non-duplicative acquisition of ICT technologies for maximum cost
6	effectiveness and use; (iv) ensure sharing of ICT technologies among City Departments as
7	the most cost-effective method of providing the highest quality and most timely governmental
8	services that could otherwise be cost prohibitive; (v) develop uniform policies and coordinated
9	systems for the use, acquisition, and implementation of ICT technologies; and (vi) establish
10	Citywide standards, and procedures to ensure cost-effective and useful retrieval and
11	exchange of information both within and among the various City Departments and from the
12	City to the people of San Francisco; and (vii) direct the City's cyber security program.
13	(c) The CIO shall (i) consult with City Departments about ICT staffing needs and
14	develop an ICT staffing plan for review and approval by COIT; and (ii) monitor hiring of ICT
15	staff and adherence to the ICT staffing plan adopted by COIT.
16	(d) The CIO shall develop for the review and approval of COIT policies and
17	procedures for the effective management of technology investments throughout their entire
18	life-cycle, including, but not limited to project definition, procurement, development,
19	implementation, operation, performance evaluation, and enhancement or retirement.
20	
21	Section 32. The Administrative Code is hereby amended by adding Chapter 22I,
22	consisting of Sections 22I.1, 22I.2, 22I.3, 22I.4, 22I.5, and 22I.6, to read as follows:
23	<u>CHAPTER 22I: OFFICE OF CYBER SECURITY AND</u>
24	DUTIES OF THE CHIEF INFORMATION SECURITY OFFICER
25	<u>SEC. 22I.1. FINDINGS.</u>

1	
2	On June 4, 2021, Mayor London Breed issued Executive Directive No. 21-02, announcing that
3	protecting the City's technology and information is vital to the proper functioning of the City and the
4	ability of City departments and personnel to serve residents. In order to further the protection of City
5	assets, the prevention, detection, and remediation of cyber-related incidents is a top priority of the City
6	and essential to the security of San Francisco government and its residents. In the directive, the Mayor
7	directed the City's Chief Information Officer and the City Administrator to recommend changes to the
8	Administrative Code to formalize and strengthen the City's cyber security functions and programs.
9	<u>SEC. 22I.2. PURPOSE OF CHAPTER.</u>
10	(a) The purpose of this Chapter 22I is to strengthen and coordinate the City's security of
11	information resources. The creation of the Office of Cyber Security will improve the City's information
12	security by doing the following:
13	(1) ensure coordination of City Departments' response to cyber security threats;
14	(2) identify primary responsibility for the City's response during emergencies caused by
15	cyber security attacks;
16	(3) share best information security practices, procedures, and requirements with City
17	<u>Departments;</u>
18	(4) provide review of proposed technology purchases by City Departments to address
19	cyber security risks during procurement; and
20	(5) avoid uncoordinated and duplicative information or system security purchases by
21	City Departments when such technology can be more effectively purchased as part of a coordinated
22	City effort for maximum cost effectiveness and use.
23	(b) In enacting and implementing this Chapter 22I, the City is assuming an undertaking only to
24	promote the general welfare. It is not assuming, nor is it imposing on its officers and employees, an
25	obligation for breach of which it is liable in money damages to any person who claims that such breach
	proximately caused injury.

Mayor Breed BOARD OF SUPERVISORS

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2	(c) Municipal Transportation Agency. Consistent with Charter Section 8A.101(d), the Municipal
3	Transportation Agency shall comply with the provisions of this Chapter 22I and shall be solely
4	responsible for its administration and enforcement with respect to matters within the Municipal
5	Transportation Agency's jurisdiction. The Municipal Transportation Agency Board of Directors shall
6	provide the City Administrator with an annual report of reported incidents and its compliance with the
7	established City information security standard.
8	(d) Public Utilities Commission. Consistent with Charter Section 8B.121(a), the Public Utilities
9	Commission shall comply with the provisions of this Chapter 22I and shall be solely responsible for its
10	administration and enforcement with respect to matters within the Public Utilities Commission's
11	jurisdiction. The Public Utilities Commission shall provide the City Administrator with an annual
12	report of reported incidents and its compliance with the established City information security standard.
13	SEC. 22I.3. DEFINITIONS.
14	For purposes of this Chapter 22I, the following definitions shall apply:
15	"City" means the City and County of San Francisco and all of its units or components of
16	government.
17	"Chief Information Officer" means the Chief Information Officer for the City appointed
18	pursuant to Administrative Code Section 22A.4.
19	"City Department" means any unit or component of City government, including but not limited
20	to named departments, boards and commissions, offices, agencies, and officials.
21	"Committee on Information Technology" or "COIT" means the committee established in
22	Administrative Code Section 22A.3.
23	"Information and Communications Technology" or "ICT" means information and
24	communications technology and computer-based equipment and related services designed for the
25	storage, manipulation, and retrieval of data by electronic or mechanical means, or both.

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2	"Information Resources" means Information and Communications Technology operated by or
3	for the City, including equipment, facilities, systems, applications, and cloud services that relate
4	directly to data processing equipment or services which are directly managed by various departmental
5	divisions for Management Information Systems (MIS), including but not limited to, the Controller's
6	Information Services Division (ISD), the Airport's MIS Division, the Public Utilities Commission's
7	Bureau of MIS, and the Department of Public Health's MIS.
8	"Information Security Standards" means standard requirements created by the Chief
9	Information Security Officer for the protection and resiliency of the City's information resources.
10	<u>SEC. 22I.4. OFFICE OF CYBER SECURITY.</u>
11	(a) Establishment. The Office of Cyber Security is hereby created within the Department of
12	Technology and shall be headed by the Chief Information Security Officer and staffed by such officers
13	and employees as are authorized pursuant to the budgetary and fiscal provisions of the Charter.
14	(b) Mission and Purposes. The Office of Cyber Security shall have these missions and
15	<u>purposes:</u>
16	(1) Advising the Mayor, the Board of Supervisors, the City Administrator, the City
17	Chief Information Officer, and City Departments regarding information security for City Departments.
18	(2) Advising the Committee on Information Technology (COIT) on compliance with
19	adopted information security standards, policies, and funding plans, and serving as a permanent
20	<u>member of COIT.</u>
21	(3) Protecting City-connected technology and information resources.
22	(4) Continuously improving the City's ability to detect cyber security events, contain
23	and eradicate compromises to security, and restore information resources to a secure and operational
24	<u>status.</u>
25	(5) Evaluating technology vendors and partners to identify cyber security risks to City
	operations.

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2	SEC 221.5. CITY CHIEF INFORMATION SECURITY OFFICER.
3	(a) Establishment of Position. There is hereby created the position of Chief Information
4	Security Officer (CISO) for the City and County of San Francisco. The CISO shall:
5	(1) Be appointed by the Chief Information Officer following consultation with the City
6	Administrator.
7	(2) Serve as a permanent member of COIT with the authority and responsibility to
8	develop information security recommendations and implement COIT information security standards,
9	policies, and procedures for all City Departments.
10	(3) Head the Office of Cyber Security.
11	(b) Purpose and Duties. The CISO's duties shall include, but are not limited to the
12	following:
13	(1) Develop and maintain a centralized cyber security detection, response, and recovery
14	program, tools and operational capability for preventing and responding to compromises of City
15	information resources for City Departments.
16	(2) Develop and maintain training, tools, and operational capability to minimize cyber
17	security vulnerabilities of City information resources for City Departments.
18	(3) Provide a citywide information security standard to reduce the risk of compromise
19	to the City's information resources, including but not limited to receiving and responding to security
20	incidents from City Departments, and mitigating the risks to City information resources.
21	(4) Conduct risk-based assessment of new vendor technologies or technology-related
22	services during the procurement process.
23	(5) Support City Departments' cyber emergency exercises and conduct periodic
24	citywide cyber security emergency exercises with City Departments.
25	(6) Test cyber security preparedness of City Departments on a regular basis.

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2	(7) Work with City Departments through the designated Departmental Information
3	Security Officers to reduce the City's risk to cyber security incidents.
4	(8) Develop and update citywide cyber security requirements to
5	mitigate the City's risk profile, and comply with legal and regulatory cyber security requirements.
6	(9) Support City Departments' implementation of the City's information security
7	standards.
8	(10) Provide the Mayor and City Administrator with an annual report of reported
9	incidents and each City Department's compliance with the established City information security
10	standard.
11	SEC.22I.6. CITY DEPARTMENTS.
12	(a) City Departments. Each City Department, ("Department") shall:
13	(1) Appoint a Departmental Information Security Officer (DISO) to coordinate cyber
14	security efforts with the CISO.
15	(2) Adopt the City's information security standard for reducing the risk of compromise
16	to the City's information resources as a basis of their Department's cyber security program.
17	(3) Consult with the Office of Cyber Security to evaluate cyber security risk prior to
18	initiating new information technology projects, implementing major changes to information systems, or
19	selecting vendors of technologies or vendors providing technology-related services.
20	(4) Support cyber incident response in accordance with the then-existing San Francisco
21	<u>Unified Cyber Command Plan.</u>
22	(5) Conduct and update a Department cyber security risk assessment based on
23	standards established by the Office of Cyber Security.
24	(6) Test and update the Department's cyber security emergency response plan based on
25	standards established by the Office of Cyber Security.

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2	(7) Maintain Department cyber security requirements that are equivalent to or greater
3	than the citywide information security standards and provide non-standard Department requirements
4	to the Office of Information Security.
5	(8) Participate in citywide cyber security forum meetings organized by the Office of
6	<u>Cyber Security.</u>
7	(b) Given the broad definition of "City Department" under Section 221.3, and the wide range
8	of sizes of City Departments, the requirement in subsection (a), above, that each City Department
9	appoint a DISO shall not be understood to preclude the same person from serving as DISO for more
10	than one City Department, nor preclude the DISO for a City Department from having other
11	responsibilities.
12	
13	Section 3. Effective Date. This ordinance shall become effective 30 days after
14	enactment. Enactment occurs when the Mayor signs the ordinance, the Mayor returns the
15	ordinance unsigned or does not sign the ordinance within ten days of receiving it, or the Board
16	of Supervisors overrides the Mayor's veto of the ordinance.
17	
18	Section 4. Scope of Ordinance. In enacting this ordinance, the Board of Supervisors
19	intends to amend only those words, phrases, paragraphs, subsections, sections, articles,
20	numbers, punctuation marks, charts, diagrams, or any other constituent parts of the Municipal
21	Code that are explicitly shown in this ordinance as additions, deletions, Board amendment
22	additions, and Board amendment deletions in accordance with the "Note" that appears under
23	
24	
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1	
2	the official title of the ordinance.
3	APPROVED AS TO FORM:
4	DAVID CHIU, City Attorney
5	
6	By: /s/ MARGARITA GUTIERREZ
7	Deputy City Attorney
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LEGISLATIVE DIGEST

(3/7/2022)

[Administrative Code - Office of Cyber Security - Chief Information Security Officer]

Ordinance amending the Administrative Code to establish the Office of Cyber Security and the position of Chief Information Security Officer (CISO) who, in coordination with department technology professionals, is responsible for preventing, detecting, and remediating the damage to City infrastructure and information resources from cyber-related incidents; require departments to appoint a Department Information Security Officer; add the CISO as a permanent member of the Committee on Information Technology (COIT); name the City Administrator or designee as Chair of COIT; and provide that the City Administrator with the Mayor's concurrence appoints the Chief Information Officer (CIO).

Existing Law

Chapter 22D.3 of the San Francisco Administrative Code established the permanent members of the Committee on Information Technology and the appointment of the Chair by a majority vote of the permanent members. Chapter 22D.4 of the San Francisco Administrative Code established the position of the Chief Information Officer.

Amendments to Current Law

This ordinance would amend the Administrative Code to establish the Office of Cybersecurity and the position of City Chief Information Security Officer (CISO), it would amend the Administrative Code to add the CISO as a permanent member of COIT and it would designate the City Administrator as the Chair of COIT. It would also amend the Administrative Code to establish the Chief Information Officer is appointed by the City Administrator, with the concurrence of the Mayor and that the CISO is appointed by the CIO, following consultation with the City Administrator

Background Information

On June 4, 2021, Mayor London Breed issued an Executive Directive No. 21-02 announcing that protecting the City and County of San Francisco's (City) technology and information is vital to the proper functioning of the City and the ability of City departments and personnel to serve residents. In order to further the protection of City assets, the prevention, detection and remediation of cyber-related incidents is a top priority of the City and essential to the security of San Francisco government and its residents. In the directive, the Mayor

directed the City Chief Information Officer and City Administrator to recommend changes to the Administrative Code to formalize and strengthen the City's cybersecurity functions and programs.

Establishing the Office of Cyber Security, led by the City Chief Information Security Officer would centralize and coordinate the City's response to cybersecurity threats. The City Chief Information Security Officer would work closely with designated Departmental Information Security Officers (DISOs) to support cyber incident response in accordance with the current San Francisco Unified Cyber Command Plan. This CISO would promulgate City wide information security standards to reduce the risk of compromise to the City's information resources including but not limited to receiving and responding to security incidents from City departments, and mitigating the risks to City information resources. Departments would be required to conduct cybersecurity risk assessments every 24 months and maintain a cybersecurity emergency response plan, which would be shared and reviewed by the Office of Cyber Security

The legislation amends Section 22A to add the CISO as a permanent member of the Committee of Information Technology with the authority and responsibility to develop information security recommendations and implement COIT information security standards, policies, and procedures for all City Departments. The legislation also amendments Section 22A to establish the City's Chief Information Officer is appointed by the City Administrator with the concurrence of the Mayor.

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BOARD of SUPERVISORS



City Hall 1 Dr. Carlton B. Goodlett Place, Room 244 San Francisco 94102-4689 Tel. No. 554-5184 Fax No. 554-5163 TDD/TTY No. 554-5227

MEMORANDUM

- TO: Executive Director Linda Gerull, Department of Technology City Administrator Carmen Chu, Office of the Cit Administrator Tom Paulino, Mayor's Office
- FROM: Victor Young, Assistant Clerk

Vitor House

- DATE: December 17, 2021
- SUBJECT: LEGISLATION INTRODUCED

The Board of Supervisors' Rules Committee received the following proposed legislation:

File No. 211294

Ordinance amending the Administrative Code to establish the Office of Cyber Security and the position of Chief Information Security Officer (CISO) who, in coordination with department technology professionals, is responsible for preventing, detecting, and remediating the damage to City infrastructure and information resources from cyber-related incidents; require departments to appoint a Department Information Security Officer; add the CISO as a permanent member of the Committee on Information Technology (COIT); name the City Administrator or designee as Chair of COIT; and provide that the City Administrator with the Mayor's concurrence appoints the Chief Information Officer (CIO).

If you have comments or reports to be included with the file, please forward them to me at the Board of Supervisors, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102 or by email at: victor.young@sfgov.org.

cc: Karen Hong Yee, Department of Technology Ken Bukowski, Office of the City Administrator Vivian Po, Office of the City Administrator Bill Barnes, Office of the City Administrator Nocole, Agbayani, Office of the City Administrator Andres Power, Mayor's Office

LEGISLATIVE DIGEST

[Administrative Code - Office of Cyber Security - Chief Information Security Officer]

Ordinance amending the Administrative Code to establish the Office of Cyber Security and the position of Chief Information Security Officer (CISO) who, in coordination with department technology professionals, is responsible for preventing, detecting, and remediating the damage to City infrastructure and information resources from cyber-related incidents; require departments to appoint a Department Information Security Officer; add the CISO as a permanent member of the Committee on Information Technology (COIT); name the City Administrator or designee as Chair of COIT; and provide that the City Administrator with the Mayor's concurrence appoints the Chief Information Officer (CIO).

Existing Law

Chapter 22D.3 of the San Francisco Administrative Code established the permanent members of the Committee on Information Technology and the appointment of the Chair by a majority vote of the permanent members. Chapter 22D.4 of the San Francisco Administrative Code established the position of the Chief Information Officer.

Amendments to Current Law

This ordinance would amend the Administrative Code to establish the Office of Cybersecurity and the position of City Chief Information Security Officer (CISO), it would amend the Administrative Code to add the CISO as a permanent member of COIT and it would designate the City Administrator as the Chair of COIT. It would also amend the Administrative Code to establish the Chief Information Officer is appointed by the City Administrator, with the concurrence of the Mayor and that the CISO is appointed by the CIO, following consultation with the City Administrator

Background Information

On June 4, 2021, Mayor London Breed issued an Executive Directive No. 21-02 announcing that protecting the City and County of San Francisco's (City) technology and information is vital to the proper functioning of the City and the ability of City departments and personnel to serve residents. In order to further the protection of City assets, the prevention, detection and remediation of cyber-related incidents is a top priority of the City and essential to the security of San Francisco government and its residents. In the directive, the Mayor directed the City Chief Information Officer and City Administrator to recommend changes to the Administrative Code to formalize and strengthen the City's cybersecurity functions and programs.

Establishing the Office of Cyber Security, led by the City Chief Information Security Officer would centralize and coordinate the City's response to cybersecurity threats. The City Chief Information Security Officer would work closely with designated Departmental Information Security Officers (DISOs) to support cyber incident response in accordance with the current San Francisco Unified Cyber Command Plan. This CISO would promulgate City wide information security standards to reduce the risk of compromise to the City's information resources including but not limited to receiving and responding to security incidents from City departments, and mitigating the risks to City information resources. Departments would be required to conduct cybersecurity risk assessments every 24 months and maintain a cybersecurity emergency response plan, which would be shared and reviewed by the Office of Cyber Security

The legislation amends Section 22A to add the CISO as a permanent member of the Committee of Information Technology with the authority and responsibility to develop information security recommendations and implement COIT information security standards, policies, and procedures for all City Departments. The legislation also amendments Section 22A to establish the City's Chief Information Officer is appointed by the City Administrator with the concurrence of the Mayor.

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Approval confirmed.

Margarita Gutierrez available by personal cell (415)638-3841 but do not text Pronouns: She/Her Deputy City Attorney Office of the City Attorney David Chiu margarita.gutierrez@sfcityatty.org

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From: Conine-Nakano, Susanna (MYR) <susanna.conine-nakano@sfgov.org>
Sent: Tuesday, December 14, 2021 4:27:41 PM
To: BOS Legislation, (BOS) <bos.legislation@sfgov.org>; Gutierrez, Margarita (CAT)
<Margarita.Gutierrez@sfcityatty.org>
Cc: Paulino, Tom (MYR) <tom.paulino@sfgov.org>; Barnes, Bill (ADM) <bill.barnes@sfgov.org>; Makstman, Michael (TIS) <Michael.Makstman@sfgov.org>
Subject: Mayor -- Ordinance -- Office of Cyber Security

Hello Clerks,

Attached for introduction to the Board of Supervisors is an Ordinance amending the Administrative Code to establish the Office of Cyber Security and the position of Chief Information Security Officer (CISO) who, in coordination with department technology professionals, is responsible for preventing, detecting, and remediating the damage to City infrastructure and information resources from cyberrelated incidents; require departments to appoint a Department Information Security Officer; add the CISO as a permanent member of the Committee on Information Technology (COIT); name the City Administrator or designee as Chair of COIT; and provide that the City Administrator with the Mayor's concurrence appoints the Chief Information Officer (CIO).

<u>@GUTIERREZ</u>, <u>MARGARITA (CAT)</u>, can you please reply-all to confirm your approval? Thanks! Please let me know if you have any questions.

Sincerely, Susanna

Susanna Conine-Nakano Office of Mayor London N. Breed City & County of San Francisco 1 Dr. Carlton B. Goodlett Place, Room 200 San Francisco, CA 94102 415-554-6147