

*In the opinion of Orrick, Herrington & Sutcliffe LLP, Bond Counsel to the City and County, based upon an analysis of existing laws, regulations, rulings and court decisions, and assuming, among other matters, the accuracy of certain representations and compliance with certain covenants, interest on the Series 2008 Bonds is excluded from gross income for federal income tax purposes under Section 103 of the Internal Revenue Code of 1986, and all of the Series 2008 Bonds and the income therefrom are exempt from all taxation by the State of Hawaii or any county or other political subdivision thereof, except inheritance, transfer, estate and certain franchise taxes. In the further opinion of Bond Counsel, interest on the Series 2008 Bonds is not a specific preference item for purposes of the federal individual or corporate alternative minimum taxes, although Bond Counsel observes that such interest is included in adjusted current earnings when calculating corporate alternative minimum taxable income. Bond Counsel expresses no opinion regarding any other tax consequences related to the ownership or disposition of, or the accrual or receipt of interest on, the Series 2008 Bonds. See "TAX MATTERS" in this Official Statement.*

**\$112,440,000**  
**CITY AND COUNTY OF HONOLULU**  
**Wastewater System Revenue Bonds**  
**(Second Bond Resolution)**  
**Junior Series 2008A**

**Dated: Date of Delivery**

**Due: July 1, as shown on inside cover**

The Series 2008 Bonds are issuable in fully registered form and when issued will be registered initially in the name of Cede & Co., as nominee of The Depository Trust Company ("DTC"), New York, New York. So long as DTC or its nominee is the registered owner of the Series 2008 Bonds, purchases of the Series 2008 Bonds will be made in book-entry form only, through brokers and dealers who are, or who act through, DTC participants; beneficial owners of the Series 2008 Bonds will not receive physical delivery of Bond certificates; payment of the principal of and interest and any premium on the Series 2008 Bonds will be made directly to DTC or its nominee; and disbursement of such payments to DTC participants will be the responsibility of DTC and disbursement of such payments to the beneficial owners will be the responsibility of DTC participants. Purchases of the Series 2008 Bonds may be made in the denomination of \$5,000 or any integral multiple thereof.

The Series 2008 Bonds bear interest payable on January 1 and July 1 of each year, commencing January 1, 2009. The Series 2008 Bonds are subject to redemption prior to the stated maturity thereof as described herein. The proceeds of the Series 2008 Bonds will be used (i) to refund certain wastewater system revenue bonds previously issued by the City and County of Honolulu, Hawaii (the "City and County"), (ii) to provide for a reserve, and (iii) to pay the costs of issuance of the Series 2008 Bonds.

The Series 2008 Bonds will be issued by the City and County under a bond resolution, as supplemented (the "Bond Resolution"), pursuant to which the City and County has previously issued bonds and may issue additional bonds on a parity with the Series 2008 Bonds, as described herein (collectively with the Series 2008 Bonds, the "Bonds"). The Series 2008 Bonds are limited special obligations of the City and County payable solely from, and secured solely by, a pledge of proceeds of Bonds held or set aside under the Bond Resolution, the Net Revenues, and certain funds and accounts established by the Bond Resolution, on a parity with all other Bonds issued under the Bond Resolution. Such pledge of the Net Revenues is junior and subordinate to the pledge made by the City and County in respect of bonds which may have been and may in the future be issued under the First Bond Resolution, as defined herein. **The Bonds are not a general or moral obligation of the State of Hawaii or any political subdivision thereof, including the City and County, and the faith and credit of the State of Hawaii or any political subdivision thereof, including the City and County, are not pledged to the payment of the principal of, premium, if any, or interest on the Bonds, and no holder of the Bonds shall have the right to compel the exercise of the taxing power of the State of Hawaii or any political subdivision thereof, including the City and County, in connection with any default with respect to the Bonds.**

The scheduled payment of principal of and interest on the Series 2008 Bonds when due will be guaranteed under an insurance policy to be issued concurrently with the delivery of the Series 2008 Bonds by FINANCIAL SECURITY ASSURANCE INC.



This cover page contains certain information for quick reference only. It is not a summary of the bond issue. Prospective investors must read the entire Official Statement (including the Appendices) to obtain information essential to the making of an informed investment decision.

*The Series 2008 Bonds are offered when, as and if issued and received by the Underwriters, and are subject to the approval of legality by Orrick, Herrington & Sutcliffe LLP, Bond Counsel to the City and County. Certain legal matters will be passed upon for the Underwriters by their counsel, McCorriston Miller Mukai MacKinnon LLP, Honolulu, Hawaii. It is expected that the Series 2008 Bonds in definitive form will be available for delivery to DTC, in New York, New York, on or about May 14, 2008.*

**UBS Investment Bank**

## MATURITY SCHEDULE

**\$112,440,000**  
**City and County of Honolulu**  
**Wastewater System Revenue Bonds**  
**(Second Bond Resolution)**  
**Junior Series 2008A**

**Serial Bonds, \$83,765,000**

<u>Year (July 1)</u>	<u>Principal Amount</u>	<u>Interest Rate</u>	<u>Yield</u>	<u>CUSIP<sup>†</sup> (438701)</u>
2009	\$2,740,000	3.500%	2.050%	LQ5
2010	2,840,000	3.500	2.370	LR3
2011	1,340,000	3.500	2.640	LS1
2011	1,595,000	2.625	2.640	LT9
2012	3,030,000	3.375	2.880	LU6
2013	3,135,000	3.500	3.020	LV4
2014	2,120,000	4.000	3.180	LW2
2014	1,140,000	5.000	3.180	LX0
2015	1,440,000	3.500	3.340	LY8
2015	1,965,000	5.000	3.340	LZ5
2016	1,210,000	3.750	3.480	MA9
2016	2,350,000	5.000	3.480	MB7
2017	830,000	4.000	3.630	MC5
2017	2,900,000	5.000	3.630	MD3
2018	3,900,000	4.000	3.760	ME1
2019	4,080,000	5.000	3.930	MF8
2020	4,290,000	5.000	4.040	MG6
2021	4,485,000	4.125	4.150	MH4
2022	4,695,000	5.000	4.230	MJ0
2023	4,940,000	5.000	4.310	MK7
2024	5,190,000	5.000	4.400	ML5
2025	5,455,000	5.000	4.450	MM3
2026	5,735,000	5.000	4.500	MN1
2027	6,030,000	5.000	4.550	MP6
2028	5,340,000	4.625	4.625	MQ4
2028	990,000	4.500	4.625	MR2

**Term Bonds, \$28,675,000**

\$28,675,000 5.00% Term Bonds Due July 1, 2032, Yield 4.71%, CUSIP<sup>†</sup> 438701 MS0

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<sup>†</sup> Copyright 2008, American Bankers Association. CUSIP data provided by Standard & Poor's CUSIP Service Bureau, a division of The McGraw-Hill Companies, Inc. CUSIP Numbers are provided for convenience of reference only. Neither the City and County nor the Underwriter take any responsibility for the accuracy of such numbers.

**City and County of Honolulu**  
**State of Hawaii**  
(Incorporated 1907)



**MAYOR**

Mufi Hannemann

**CITY COUNCIL**

Barbara Marshall  
Chair and Presiding Officer

Todd K. Apo  
Vice-Chair

Nestor R. Garcia  
Floor Leader

Romy M. Cachola

Donovan M. Dela Cruz

Charles K. Djou

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**CORPORATION COUNSEL**

Carrie K. S. Okinaga

**BOND COUNSEL**

Orrick, Herrington & Sutcliffe LLP  
San Francisco, California

The information contained in this Official Statement has been obtained from the City and County of Honolulu and other sources deemed reliable. No guaranty is made, however, as to the accuracy or completeness of such information. The Underwriter has provided the following sentence for inclusion in this Official Statement. The Underwriters have reviewed the information in this Official Statement in accordance with, and as part of, its responsibilities to investors under the federal securities laws as applied to the facts and circumstances of this transaction, but the Underwriter does not guarantee the accuracy or completeness of such information. Other than with respect to information concerning Financial Security Assurance Inc. ("Financial Security" or the "Bond Insurer") contained under the caption "BOND INSURANCE" and Appendix D – "Specimen Municipal Bond Insurance Policy" herein, none of the information in this Official Statement has been supplied or verified by Financial Security and Financial Security makes no representation or warranty, express or implied, as to (i) the accuracy or completeness of such information; (ii) the validity of the Series 2008 Bonds; or (iii) the tax exempt status of the interest on the Series 2008 Bonds. This Official Statement, which includes the cover page and appendices, does not constitute an offer to sell the Series 2008 Bonds in any state to any person to whom it is unlawful to make such offer in such state. No dealer, salesman or other person has been authorized to give any information or to make any representations, other than those contained in this Official Statement, in connection with the offering of the Series 2008 Bonds, and if given or made, such information or representations must not be relied upon. The information contained herein is subject to change without notice and neither the delivery of this Official Statement nor any sale hereunder at any time implies that the information contained herein is correct as of any time subsequent to its date.

**THE SERIES 2008 BONDS HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, IN RELIANCE UPON AN EXEMPTION CONTAINED IN SUCH ACT. THE SERIES 2008 BONDS HAVE NOT BEEN REGISTERED OR QUALIFIED UNDER THE SECURITIES LAWS OF ANY STATE. IN CONNECTION WITH THIS OFFERING THE UNDERWRITERS MAY OVER-ALLOT OR EFFECT TRANSACTIONS WHICH STABILIZE OR MAINTAIN THE MARKET PRICE OF THE SERIES 2008 BONDS OFFERED HEREBY AT A LEVEL ABOVE THAT WHICH MIGHT OTHERWISE PREVAIL IN THE OPEN MARKET. SUCH STABILIZING, IF COMMENCED, MAY BE DISCONTINUED AT ANY TIME.**

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**OFFICIAL STATEMENT**  
**\$112,440,000**  
**City and County of Honolulu**  
**Wastewater System Revenue Bonds**  
**(Second Bond Resolution)**  
**Junior Series 2008A**

**INTRODUCTORY STATEMENT**

This Official Statement, which includes the cover page and the appendices, provides certain information in connection with the issuance by the City and County of Honolulu (the “City and County”) in the State of Hawaii of \$112,440,000 aggregate principal amount of Wastewater System Revenue Bonds (Second Bond Resolution), Junior Series 2008A (the “Series 2008 Bonds”). The Series 2008 Bonds are to be issued under and secured by the Second Wastewater Revenue Bond Resolution adopted by the City Council of the City and County on November 10, 1998 (as amended and supplemented from time to time, the “Bond Resolution”), and the Series 2008 Resolution adopted by the City Council of the City and County on April 16, 2008 (the “Series 2008 Resolution”). The Series 2008 Bonds are also to be issued under a certain Bond Series Certificate of the City and County dated the date of this Official Statement, relating to the Series 2008 Bonds (the “Series 2008 Certificate”).

The capitalization of any word herein not conventionally capitalized indicates that such word is defined in the Bond Resolution, the Series 2008 Certificate or this Official Statement. A glossary of certain terms used in this Official Statement and the Bond Resolution is set forth in Appendix A under “Certain Definitions.”

The proceeds of the Series 2008 Bonds will be used (i) to refund certain “Refunded Bonds” (as hereinafter defined), (ii) to provide for funding of the Common Reserve Account in an amount which, together with amounts on deposit therein, is equal to the Common Reserve Account Requirement, and (iii) to pay the costs of issuance of the Series 2008 Bonds. See “APPLICATION OF PROCEEDS” herein.

The Series 2008 Bonds are the fourth series of bonds (each a “Series” and collectively, the “Bonds” or the “Junior Bonds”) issued under and pursuant to the Bond Resolution and will be secured by and entitled to the protection of the Bond Resolution on a parity with all Bonds heretofore issued and to be hereafter issued under and pursuant to the Bond Resolution. The Bonds are limited special obligations of the City and County payable solely from, and secured solely by a pledge of, proceeds of Bonds held or set aside under the Bond Resolution, the Net Revenues, and certain funds and accounts established by the Bond Resolution. Such pledge of the Net Revenues is subordinate and junior to the pledge of the Net Revenues to secure obligations issued under and pursuant to the First Bond Resolution, as described below, but is senior and superior to any pledge of Net Revenues to secure any other bond resolution. See “SECURITY FOR THE BONDS.”

The City and County currently has \$457.1 million principal amount of Junior Bonds outstanding. The City and County also has \$724.1 million principal amount of bonds outstanding secured by Net Revenues on a senior basis to the Junior Bonds (collectively, the “Senior Bonds”). The Senior Bonds were issued by the City and County under a First Wastewater Revenue Bond Resolution adopted by the City and County on November 10, 1998 (as amended and supplemented from time to time, the “First Bond Resolution”). See “DEBT AND FINANCIAL POLICIES AND INDEBTEDNESS – Indebtedness” herein.

The Department of Environmental Services (the “Department”) has the full and complete authority to manage, control and operate the Wastewater System owned or managed and under the jurisdiction of the City and County, including all materials, supplies, equipment and properties used or useful in connection with the Wastewater System. The Department was created July 1, 1998, as part of a city-wide reorganization. Previously, the Department of Wastewater Management, created by a City Charter change effective July 1, 1993, provided operation, maintenance, planning, design and construction of wastewater facilities in the City and County. The City Charter and Chapter 49, Hawaii Revised Statutes (the “Act”) empower the City and County to issue revenue bonds in its name for the purposes of the Wastewater System. See “THE CITY AND COUNTY AND THE DEPARTMENT.”

As of January 2008, the Wastewater System serviced approximately 142,000 separate accounts and a population of approximately 640,000, which is approximately 74% of the total population of the City and County. The service area covers nearly 600 square miles. The customer base includes the residential population, business and industrial users, and other users located in the service area. Of the approximately 142,000 accounts, approximately 134,000 are residential, representing approximately 77% of the total revenue from sewer service charges, and the remaining approximately 8,000 are non-residential, representing approximately 23% of the total revenue from sewer service charges. The average total volume of wastewater processed by the City and County's Wastewater System was 105.1 million gallons per day ("MGD") average day annual flow in Fiscal Year 2007. A number of small private wastewater systems also serve some areas in the City and County. The average total volume of wastewater processed by all such private systems is 4.3 MGD. See "THE WASTEWATER SYSTEM."

In 2005, the City and County adopted Ordinance No. 05-018 providing for increases in wastewater rates and for multi-year rate increases for the period effective July 1, 2005 to and including July 1, 2010. In 2007, the City and County adopted Ordinance No. 07-29 (together with Ordinance No. 05-018, the "Rate Ordinance") providing for additional increases in wastewater rates and for multi-year rate increases for the period effective July 1, 2007 to and including July 1, 2010, superseding those approved for that period in Ordinance No. 05-018. See "CERTAIN FINANCIAL OPERATIONS AND OTHER INFORMATION AND STATISTICS — Rates and Charges."

The Department is currently undertaking a five-year capital improvement program adopted by the Department and approved by the City Council (the "2009-2013 Capital Improvement Program"). The 2009-2013 Capital Improvement Program is projected to cost approximately \$1.48 billion (in inflated dollars, i.e., adjusted from 2008 dollars) and is being undertaken for the purposes, among others, of meeting certain consent decrees, permits, or administrative orders entered into by the Department with Federal and State regulatory bodies and reliably serving projected growth in the number of customers served by the Wastewater System. The 2009-2013 Capital Improvement Program is a part of the 1998-2017 twenty-year capital improvement program (the "1998-2017 Capital Improvement Program") the Department has undertaken. The 1998-2017 Capital Improvement Program is projected to cost approximately \$3.81 billion (in inflated dollars) and has been undertaken for the same basic purposes as the 2009-2013 Capital Improvement Program. The cost of the 1998-2017 Capital Improvement Program, including the 2009-2013 Capital Improvement Program, is expected to be financed primarily from (i) proceeds of Senior Bonds as well as Bonds, Reimbursable Obligations and Subordinate Obligations previously issued, (ii) proceeds of additional Senior Bonds, Bonds and Subordinate Obligations to be hereafter issued, (iii) Net Revenues of the Wastewater System, and (iv) Wastewater System Facilities Charges. See "CAPITAL IMPROVEMENT PROGRAM."

In August 2007, the City and County issued \$162,565,000 aggregate principal amount of Senior Bonds to fund a portion of the costs of the 1998-2017 Capital Improvement Program. In connection with such issuance, the Department obtained a Consulting Engineer's report on the projected revenues, expenses and debt service coverages of the Wastewater System for Fiscal Years 2008 through 2017, inclusive. The Department has not obtained a new or updated Consulting Engineer's report in connection with the issuance of the Series 2008 Bonds because such Bonds are being issued solely for refunding purposes. However, the Department has prepared projections of its revenues, expenses and debt service coverages for Fiscal Years 2009 through 2013, inclusive. These projections are presented in Table 10 herein.

Pursuant to the Act and the City Charter, the City Council has the power to impose, prescribe and collect rates, rentals, fees or charges for the use and services of, and the facilities furnished by, the Wastewater System so that the Wastewater System will be and remain self-sustaining. The rates, rentals, fees or charges imposed and prescribed are required to produce revenues which will be at least sufficient to pay debt service on all revenue bonds issued for the purposes of the Wastewater System, including the Bonds and the Subordinate Obligations, to provide reserves therefor, to pay the costs of operation, maintenance and repair of the Wastewater System, and to carry out the covenants of all resolutions authorizing the issuance of revenue bonds for the purposes of the Wastewater System, including the Bond Resolution and the Second Resolution. The rates and charges fixed and imposed by the City Council are not subject to approval by any federal or state regulatory bodies. See discussion under "HISTORICAL AND PROJECTED REVENUES, EXPENSES AND COVERAGES."

**APPLICATION OF PROCEEDS**

The proceeds of sale of the Series 2008 Bonds, in an amount equal to the principal thereof less original issue discount (net of original issue premium) and the Underwriters' discount, will be applied to make the following deposits:

Refunding of Refunded Bonds.....	\$106,750,000.00
Common Reserve Account.....	7,908,600.00
Costs of Issuance .....	<u>2,017,607.50</u>
Total Uses .....	<u>\$116,676,207.50</u>

**Refunding Plan**

A portion of the proceeds from the sale of the Series 2008 Bonds is expected to be used to refund, on a current basis, all of the City and County's outstanding Wastewater System Revenue Bonds (Second Bond Resolution), Series 2003A-2 and 2003B-2, previously issued under the Bond Resolution and currently outstanding in the aggregate principal amount of \$106,750,000 (the "Refunded Bonds").

**THE SERIES 2008 BONDS**

**General**

The Series 2008 Bonds will be dated as of the date of their issuance and will bear interest at the rates and mature on the dates and in the principal amounts set forth on the inside cover page of this Official Statement. The Series 2008 Bonds will be issued in minimum denominations of \$5,000 principal amount.

Interest will accrue on the Series 2008 Bonds from the date of their issuance and will be due and payable semiannually on January 1 and July 1 of each year, commencing January 1, 2009.

**Optional Redemption**

The Series 2008 Bonds maturing on or after July 1, 2019 are subject to redemption at the option of the City and County on or after July 1, 2018, in whole or in part at any time, from any maturities selected by the City and County at a redemption price equal to 100% of the principal amount of the Series 2008 Bonds or portions thereof to be redeemed, plus accrued interest to the date of redemption.

**Mandatory Redemption**

The Series 2008 Bonds maturing on July 1, 2032 are also subject to redemption, in part, on each of the dates and in the respective principal amounts set forth below, at a Redemption Price of 100% of the principal amount thereof, plus accrued interest to the date of redemption, from mandatory Sinking Fund Installments which are required to be made in amounts sufficient to redeem the principal amount of Series 2008 Bonds of such maturities specified for July of each of the years shown below:

**Series 2008 Bonds  
Maturing July 1, 2032**

Year (July 1)	Principal Amount
2029	\$6,640,000
2030	6,980,000
2031	7,340,000
2032*	7,715,000

\* Final Maturity

## **Notice of Redemption**

The City and County will mail notice of redemption not less than 30 days prior to the redemption date by registered, certified or regular first-class mail, to the registered owners of any of the Series 2008 Bonds or portions of the Series 2008 Bonds which are to be redeemed, at their last addresses appearing upon the Bond Registry. The City and County may also but is not required to cause such notice to be published at least once in such newspapers as provided in the Bond Resolution not less than thirty (30) days prior to the date fixed for redemption date. Failure of the City and County to publish any such notice shall not affect the validity of the proceedings for the redemption of such Series 2008 Bonds. See “THE SERIES 2008 BONDS - Book-Entry System.”

## **Effect of Redemption**

If, on the redemption date, moneys for the redemption of all the Series 2008 Bonds or portions thereof of any maturity to be redeemed, together with interest to the redemption date, shall be held by the City and County or Paying Agent so as to be available therefor on said date and if notice of redemption shall have been given as provided in the Bond Resolution, then, from and after the redemption date, interest on the Series 2008 Bonds or portions thereof of such maturity so called for redemption shall cease to accrue and become payable. If such moneys shall not be so available on the redemption date, such Series 2008 Bonds or portions thereof shall continue to bear interest until paid at the same rate as they would have borne had they not been called for redemption.

## **Selection for Redemption**

So long as the Book-Entry System for the Series 2008 Bonds is in effect, if less than all of the Series 2008 Bonds of any one maturity are to be redeemed, the particular Series 2008 Bonds or portions of Series 2008 Bonds of such maturity to be redeemed will be selected by DTC and its Participants in such manner as DTC and its Participants may determine. If the Book-Entry System for the Series 2008 Bonds is no longer in effect, selection for redemption of less than all Series 2008 Bonds of any one maturity will be made by the Paying Agent by lot as provided in the Bond Resolution.

## **Book-Entry System**

***Information on DTC and Book-Entry System.*** Information concerning DTC and the Book-Entry System contained in this Official Statement has been obtained from DTC and other sources that the City and County and the Underwriters believe to be reliable, and is not guaranteed as to accuracy or completeness by, and is not to be construed as a representation by, the Underwriters or the City and County.

The Depository Trust Company (“DTC”), New York, New York, will act as securities depository for the Series 2008 Bonds. The Series 2008 Bonds will be issued as fully-registered securities registered in the name of Cede & Co. (DTC’s partnership nominee) or such other name as may be requested by an authorized representative of DTC. One fully-registered Bond certificate will be issued for the Series 2008 Bonds of each maturity, in the aggregate principal amount of such issue, and will be deposited with DTC.

***DTC and its Participants.*** DTC, the world’s largest depository, is a limited-purpose trust company organized under the New York Banking Law, a “banking organization” within the meaning of the New York Banking Law, a member of the Federal Reserve System, a “clearing corporation” within the meaning of the New York Uniform Commercial Code, and a “clearing agency” registered pursuant to the provisions of Section 17A of the Securities Exchange Act of 1934. DTC holds and provides asset servicing for over 2 million issues of U.S. and non-U.S. equity issues, corporate and municipal debt issues, and money market instruments from over 85 countries that DTC’s participants (“Direct Participants”) deposit with DTC. DTC also facilitates the post-trade settlement among Direct Participants of sales and other securities transactions in deposited securities, through electronic computerized book-entry transfers and pledges between Direct Participants’ accounts. This eliminates the need for physical movement of securities certificates. Direct Participants include both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, clearing corporations, and certain other organizations. DTC is a wholly-owned subsidiary of The Depository Trust & Clearing Corporation (“DTCC”). DTCC, in turn, is owned by a number of Direct Participants of DTC and Members of the National Securities Clearing Corporation, Government

Securities Clearing Corporation, MBS Clearing Corporation, and Emerging Markets Clearing Corporation, (NSCC, GSCC, MBSCC, and EMCC, also subsidiaries of DTCC), as well as by the New York Stock Exchange, Inc., the American Stock Exchange LLC, and the National Association of Securities Dealers, Inc. Access to the DTC system is also available to others such as both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, and clearing corporations that clear through or maintain a custodial relationship with a Direct Participant, either directly or indirectly (“Indirect Participants”). DTC has Standard & Poor’s highest rating: AAA. The DTC Rules applicable to its Participants are on file with the Securities and Exchange Commission. More information about DTC can be found at [www.dtcc.com](http://www.dtcc.com).

***Purchase of Ownership Interests.*** Purchases of Bonds under the DTC system must be made by or through Direct Participants, which will receive a credit for the Series 2008 Bonds on DTC’s records. The ownership interest of each actual purchaser of each Bond (“Beneficial Owner”) is in turn to be recorded on the Direct and Indirect Participants’ records. Beneficial Owners will not receive written confirmation from DTC of their purchase. Beneficial Owners are, however, expected to receive written confirmations providing details of the transaction, as well as periodic statements of their holdings, from the Direct or Indirect Participant through which the Beneficial Owner entered into the transaction. Transfers of ownership interests in the Series 2008 Bonds are to be accomplished by entries made on the books of Direct and Indirect Participants acting on behalf of Beneficial Owners. Beneficial Owners will not receive certificates representing their ownership interests in the Series 2008 Bonds, except in the event that use of the book-entry system for the Series 2008 Bonds is discontinued.

To facilitate subsequent transfers, all Bonds deposited by Direct Participants with DTC are registered in the name of DTC’s partnership nominee, Cede & Co., or such other name as may be requested by an authorized representative of DTC. The deposit of Bonds with DTC and their registration in the name of Cede & Co. or such other DTC nominee do not effect any change in beneficial ownership. DTC has no knowledge of the actual Beneficial Owners of the Series 2008 Bonds; DTC’s records reflect only the identity of the Direct Participants to whose accounts such Bonds are credited, which may or may not be the Beneficial Owners. The Direct and Indirect Participants will remain responsible for keeping account of their holdings on behalf of their customers.

***Notices and Other Communications.*** Conveyance of notices and other communications by DTC to Direct Participants, by Direct Participants to Indirect Participants, and by Direct Participants and Indirect Participants to Beneficial Owners will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time.

Redemption notices shall be sent to DTC. If less than all of the Series 2008 Bonds within an issue are being redeemed, DTC’s practice is to determine by lot the amount of the interest of each Direct Participant in such issue to be redeemed.

Neither DTC nor Cede & Co. (nor any other DTC nominee) will consent or vote with respect to Bonds unless authorized by a Direct Participant in accordance with DTC’s Procedures. Under its usual procedures, DTC mails an Omnibus Proxy to the City and County as soon as possible after the record date. The Omnibus Proxy assigns Cede & Co.’s consenting or voting rights to those Direct Participants to whose accounts Bonds are credited on the record date (identified in a listing attached to the Omnibus Proxy).

***Redemption Proceeds, Distributions, and Dividend Payments.*** Redemption proceeds, distributions, and dividend payments on the Series 2008 Bonds will be made to Cede & Co., or such other nominee as may be requested by an authorized representative of DTC. DTC’s practice is to credit Direct Participants’ accounts upon DTC’s receipt of funds and corresponding detail information from the City and County or Paying Agent, on payable date in accordance with their respective holdings shown on DTC’s records. Payments by Participants to Beneficial Owners will be governed by standing instructions and customary practices, as is the case with securities held for the accounts of customers in bearer form or registered in “street name,” and will be the responsibility of such Participant and not of DTC, Paying Agent, or the City and County, subject to any statutory or regulatory requirements as may be in effect from time to time. Payment of redemption proceeds, distributions, and dividend payments to Cede & Co. (or such other nominee as may be requested by an authorized representative of DTC) is the responsibility of the City and County or Paying Agent, disbursement of such payments to Direct Participants will be the responsibility of DTC, and disbursement of such payments to the Beneficial Owners will be the responsibility of Direct and Indirect Participants.

***Discontinuance of Book-Entry System.*** DTC may discontinue providing its services as depository with respect to the Series 2008 Bonds at any time by giving reasonable notice to the City and County or Agent. Under such circumstances, in the event that a successor depository is not obtained, Bond certificates are required to be printed and delivered.

The City and County may decide to discontinue use of the system of book-entry transfers through DTC (or a successor securities depository). In that event, Bond certificates will be printed and delivered.

***Use of Certain Terms in Other Sections of the Official Statement.*** In reviewing this Official Statement it should be understood that while the Series 2008 Bonds are in the Book-Entry System, references in other sections of this Official Statement to owners should be read to include the person for which the Participant acquires an interest in the Series 2008 Bonds, but (i) all rights of ownership must be exercised through DTC and the Book-Entry System and (ii) notices that are to be given to owners by the City and County will be given only to DTC. DTC will forward (or cause to be forwarded) the notices to the Participants by its usual procedures so that such Participants may forward (or cause to be forwarded) such notices to the Beneficial Owners.

***City and County Disclaimer of Responsibility.*** The City and County will have no responsibility or obligation to Direct Participants, to Indirect Participants or to Beneficial Owners with respect to (i) the accuracy of any records maintained by DTC, any Direct Participants or Indirect Participants, or (ii) the payment by DTC, any Direct Participants or any Indirect Participants of any amount in respect of principal or redemption price of or interest on the Series 2008 Bonds, or (iii) any notice which is permitted or required to be given to owners (except such notice as is required to be given by the City and County to DTC), or (iv) the selection by DTC of any Participant to receive payment in the event of a partial redemption of the Series 2008 Bonds, or (v) any consent given or other action taken by DTC as Owner of the Series 2008 Bonds, or (vi) any other event or purpose.

So long as Cede & Co. is the registered owner of the Series 2008 Bonds, as nominee for DTC, references herein to the Bondholders or registered owners of the Series 2008 Bonds (other than under the captions "TAX MATTERS" and "CONTINUING DISCLOSURE" herein) shall mean Cede & Co., as aforesaid, and shall not mean the Beneficial Owners of the Series 2008 Bonds.

## SECURITY FOR THE BONDS

### General

The Bonds issued under and pursuant to the Bond Resolution, including the Series 2008 Bonds, are limited special obligations of the City and County. Pursuant to the Bond Resolution, there has been pledged, as security for the payment of the debt service on the Bonds, proceeds of the Bonds held or set aside under the Bond Resolution, the Net Revenues, and all Funds and Accounts established by the Bond Resolution other than the Rebate Account, the Third Lien Obligation Subaccount and, in certain instances pursuant to the Bond Resolution, the Common Reserve Subaccount or Separate Series Reserve Subaccounts. The Bonds are equally and ratably payable and secured under the Bond Resolution except that the City and County has reserved the right under the Bond Resolution to afford a particular Series of Bonds or particular Bonds additional or different security through a Support Facility, escrow funds, or the establishment of separate funds and accounts with respect to a particular Series of Bonds funded from sources other than the Net Revenues.

Under the Bond Resolution, Net Revenues means, with respect to any period, the Revenues during such period less amounts required to pay Operation and Maintenance Expenses. Revenues means (i) the Revenues under the First Bond Resolution; (ii) all income from investments of moneys held under the Bond Resolution except the Rebate Subaccount and the Third Lien Obligation Subaccount; and (iii) all payments made by Counterparties pursuant to Interest Rate Exchange Agreements. Revenues under the First Bond Resolution means the moneys, including any moneys collected from the City and County or any department thereof other than the Department, derived by the Department from the rates, rentals, fees and charges prescribed for the use and services of, and the facilities and commodities furnished by, the Wastewater System. Revenues under the First Bond Resolution include (i) all income, receipts, profits, and other moneys derived from the furnishing or supplying of the services, facilities and commodities through the Wastewater System; (ii) all income from investments of moneys held under the Bond

Resolution except the Rebate Account, the Subordinate Obligation Account or the Reimbursable Obligation Account; (iii) all payments made by Counterparties pursuant to Interest Rate Exchange Agreements; and (iv) moneys and Investment Securities transferred from the Rate Stabilization Account to the Sewer Fund within 90 days following the end of a Fiscal Year. Certain items do not constitute Revenues under the Bond Resolution, including certain deposits subject to refund, certain contributions in-aid-of construction and assessment, impact and other similar fees imposed and collected by the City and County, income, fees, charges, receipts, profits or other moneys derived by the Department from the ownership or operation of any separate utility system, and certain gifts, grants and donations, moneys and Investment Securities transferred from the Sewer Fund to the Rate Stabilization Account within 90 days following the end of a Fiscal Year, or Wastewater System Facility Charges.

The pledge of the Net Revenues for the security and payment of the Bonds under the Bond Resolution is (i) junior and subordinate to the pledge made in the First Bond Resolution for the security and payment of the First Resolution Obligations; and (ii) prior and superior to the pledge made in the First Bond Resolution for the security and payment of the Reimbursable Obligations authorized to be issued pursuant to the First Bond Resolution and in the Bond Resolution for the security and payment of Third Lien Obligations authorized to be issued pursuant to the Bond Resolution. "Reimbursable Obligations" are reimbursable general obligation bonds issued and delivered or to be issued and delivered by the City and County to finance certain costs related to the Wastewater System. The debt service on Reimbursable Obligations is paid from moneys in the City and County's general fund. Pursuant to State law, the amount of such debt service may be reimbursed from the Net Revenues. As of June 30, 2007, \$29,502,476 principal amount of Reimbursable Obligations were outstanding. "Third Lien Obligations" are any obligations of the City and County payable from the Revenues, other than the First Resolution Obligations, the Bonds and the Reimbursable Obligations, issued in compliance with the provisions of the First Bond Resolution or the Bond Resolution, as applicable. There are currently no Third Lien Obligations outstanding. See "DEBT AND FINANCIAL POLICIES AND INDEBTEDNESS" herein.

The Series 2008 Bonds will constitute Bonds under the Bond Resolution. The Series 2008 Bonds are the fourth Series of Bonds to be issued under the Bond Resolution. The City and County expects to issue additional Bonds under the Bond Resolution on a parity with the Series 2008 Bonds.

**The Bonds are not a general or moral obligation of the State of Hawaii or any political subdivision thereof, including the City and County, and the faith and credit of the State of Hawaii or any political subdivision thereof, including the City and County, are not pledged to the payment of the principal or redemption price of or interest on the Bonds, and no holder of the Bonds shall have the right to compel the exercise of the taxing power of the State of Hawaii or any political subdivision thereof, including the City and County, in connection with any default with respect to the Bonds.**

## **Funds and Accounts**

The various funds and accounts established under or pledged by the Bond Resolution, the flow of Revenues through such funds and accounts, the rights and remedies of Bondholders under the Bond Resolution and other related matters are summarized in Appendix A, "Summary of Certain Provisions of the Bond Resolution."

The City and County has established the Sewer Fund by ordinance. Revenues are deposited in the Sewer Fund. The First Bond Resolution establishes various accounts in the Sewer Fund, none of which except the Subordinate Obligation Account is pledged as security for the payment of debt service on the Bonds. Such pledge of the Subordinate Obligation Account is subject to the terms and provisions of and the exceptions provided in the First Bond Resolution and the Bond Resolution. Under the First Bond Resolution, the Department will, in each month, transfer from the Sewer Fund to the Subordinate Obligation Account a sufficient amount required by the Bond Resolution to pay all accrued and unpaid amounts and amounts to accrue and become payable during the succeeding calendar month which are payable from the Subordinate Obligation Account, but only (i) after making the transfer, if any, to the Wastewater System Facility Charge Account of all moneys received as Wastewater System Facility Charges, (ii) after paying or setting aside a sufficient amount to pay the Operating and Maintenance Expenses, (iii) after making the transfer to the Rebate Account under the First Bond Resolution, (iv) after transferring a sufficient amount to the Debt Service Account under the First Bond Resolution to pay debt service on First Resolution Obligations, and (v) after transferring a sufficient amount to the Common Reserve Account and each Separate Series Reserve Account under the First Bond Resolution to eliminate any deficiency therein, and

(vi) after maintaining in the Sewer Fund a reasonable and necessary amount for working capital and operating reserves.

The Bond Resolution establishes in the Subordinate Obligation Account a Debt Service Subaccount. The Debt Service Subaccount is pledged as security for the payment of debt service on all Bonds subject to the terms and provisions of and the exceptions provided in the Bond Resolution. The Bond Resolution also establishes a Common Reserve Subaccount in the Subordinate Obligation Account and permits the establishment in the Subordinate Obligation Account of one or more Separate Series Reserve Subaccounts. The Common Reserve Subaccount is pledged as additional security for the payment of debt service on the Bonds of such Series designated by the City and County to be entitled to the benefit of the Common Reserve Subaccount. Each Separate Series Reserve Subaccount is pledged as additional security for the payment of debt service on the Bonds of such individual Series designated by the City and County to be entitled to the benefit of such Separate Series Reserve Subaccount.

The debt service on and redemption price of the Bonds are payable from the Debt Service Subaccount in the Subordinate Obligation Account. In the event of a deficiency in the Debt Service Subaccount, the debt service on and redemption price of particular Bonds are payable from the Common Reserve Subaccount or the Separate Series Reserve Subaccounts, as applicable, but only if such Bonds are entitled to the benefit of such Reserve Subaccounts.

Under the First Bond Resolution, moneys deposited and retained in the Sewer Fund may be maintained in an amount which is reasonable and necessary for working capital and reserves. The First Bond Resolution establishes, among other accounts, the Rate Stabilization Account, the Renewal and Replacement Account and the Wastewater General Account. Such accounts are not pledged as security for the payment of debt service on and redemption price of the Bonds. However, moneys in such accounts may be transferred to the Subordinate Obligation Account on the terms and conditions as provided in the First Bond Resolution. The Rate Stabilization Account is to be used to stabilize the rates and charges of the Wastewater System. The Rate Stabilization Account is to be maintained in an amount as provided in the Annual Budget and is to be funded as provided in the Annual Budget from (i) the Revenues but only after paying the Operation and Maintenance Expenses and after transferring required amounts to other funds and accounts as provided in the First Bond Resolution, and (ii) transfers from the Wastewater General Account. The Renewal and Replacement Account is to be used to pay the costs of improvements to or reconstruction of the Wastewater System, repairs, major or extraordinary repairs and renewals or replacements of the Wastewater System and under certain conditions, as set forth in the Bond Resolution, to meet deficiencies in the Debt Service Subaccount, the Common Reserve Account, Separate Series Reserve Accounts, if any, the Subordinate Obligation Account, including the Debt Service Subaccount, the Common Reserve Subaccount and all Separate Series Subaccounts, and the Reimbursable Obligation Account, and will be maintained in an amount provided for in the Annual Budget. The Wastewater General Account may be used for any lawful purpose of the City and County, including funding of the Rate Stabilization Account, and under certain conditions, may be used to meet deficiencies in the Sewer Fund, the Common Reserve Account, Separate Series Reserve Accounts, if any, the Renewal and Replacement Account, the Rebate Account, the Subordinate Obligation Account and the Reimbursable Obligation Account.

The Bond Resolution also establishes in the Subordinate Obligation Account a Rebate Subaccount and a Third Lien Obligation Subaccount. Such accounts are not pledged as security for the Series 2008 Bonds, or any other Bonds. The funds in the Third Lien Obligation Subaccount are to be used to pay debt service on and redemption price of Third Lien Obligations, provide necessary debt service reserves and other reserves and pay other costs related to Third Lien Obligations. The funds in the Rebate Subaccount are to be used to pay required rebates to the United States Treasury Department incurred in respect of the Bonds.

The First Bond Resolution also establishes in the Sewer Fund, the Wastewater System Facility Charge Account. Wastewater System Facility Charges collected by the Department are deposited in the Wastewater System Facility Charge Account. The Wastewater System Facility Charge Account is pledged under the First Bond Resolution as security for the payment of debt service on and redemption price of the First Resolution Obligations but not for the Bonds. If any amounts are used to pay the debt service on or redemption price of First Resolution Obligations, the Wastewater System Facility Charge Account must be reimbursed from the Net Revenues with the priority set forth in the First Bond Resolution. The Wastewater System Facility Charges are not considered to be Revenues under the First Bond Resolution.

The City and County has also established by ordinance the Improvement Fund. The Bond Resolution establishes in the Improvement Fund an Improvement Second Account and permits the establishment within the Improvement Second Account of one or more Series Improvement Second Subaccounts and one or more Series Improvement Second Interest Subaccounts. Proceeds of Bonds issued under the Bond Resolution are to be deposited in the Improvement Second Account or a Series Improvement Second Subaccount pending application to pay the Costs of Improvements. Proceeds of Bonds issued under the Bond Resolution which are to be used to pay capitalized interest on the Bonds of a Series during the period of construction of an Improvement and for six months thereafter must be deposited in a Series Improvement Second Interest Subaccount. The Improvement Second Account, each Series Improvement Second Subaccount and each Series Improvement Second Interest Subaccount (but not the Improvement Fund) are pledged under the Bond Resolution as security for the payment of debt service on and redemption price of the Bonds.

### **Common Reserve Account and Separate Series Reserve Accounts**

*Common Reserve Subaccount.* The Bond Resolution establishes a Common Reserve Subaccount. Under the Bond Resolution, the City and County may designate one or more Series of Bonds to be entitled to the benefit of the Common Reserve Subaccount. The Series 2008 Bonds are entitled to the benefit of the Common Reserve Subaccount. The moneys held in the Common Reserve Subaccount are to be used to pay debt service on the Bonds entitled to the benefit of the Common Reserve Subaccount in the event of a deficiency in the Debt Service Subaccount to pay such debt service. The Common Reserve Subaccount is to be maintained in an amount not less than the Common Reserve Subaccount Requirement. The Common Reserve Subaccount Requirement is an amount that is equal to the greatest amount of Aggregate Debt Service for the then current or any future Fiscal Year on all Outstanding Bonds entitled to the benefit of the Common Reserve Subaccount; provided, however, that if upon the issuance of a Series of Bonds entitled to the benefit of the Common Reserve Subaccount, such amount would require moneys credited to the Common Reserve Subaccount from the proceeds of such Bonds in an amount in excess of the maximum amount permitted under the Code, the Common Reserve Subaccount Requirement will then be the Common Reserve Subaccount Requirement immediately preceding the issuance of such Bonds and the maximum amount permitted under the Code to be deposited from the proceeds of such Bonds, as certified by an Authorized Officer. The Bond Resolution provides that the Aggregate Debt Service is to be computed with respect to each Variable Rate Bond entitled to the benefit of the Common Reserve Subaccount by using the Assumed Long-Term Fixed Rate.

In lieu of cash or securities, the Bond Resolution permits the Department to satisfy the Common Reserve Subaccount Requirement in part or in whole by causing to be deposited into the Common Reserve Subaccount a Support Facility (which may be an irrevocable letter of credit, surety bond, loan agreement, standby bond purchase agreement, or other agreement facility or insurance or guaranty agreement issued by a bank or banks, or other financial institution or institutions, or any combination of the foregoing) in an amount equal to the difference between the Common Reserve Subaccount Requirement and the sums then on deposit in the Common Reserve Subaccount, if any. The Support Facility must be payable (upon the giving of notice as required thereunder) on or before any interest payment date on which moneys will be required to be withdrawn from the Common Reserve Subaccount and applied to the payment of principal or redemption price of or interest on any Bonds and such withdrawal cannot be met by amounts on deposit in the Common Reserve Subaccount or provided from any other available Fund under the Bond Resolution. Any Support Facility deposited in the Common Reserve Subaccount or the long-term debt of the issuer of any Support Facility deposited in the Common Reserve Subaccount must, in each case, be rated in the highest rating category by each Rating Agency, and if rated by A.M. Best & Company, must also be rated in the highest rating category by A.M. Best & Company or its successors. In the event any Support Facility deposited in the Common Reserve Subaccount or the long-term debt of the issuer of any Support Facility deposited in the Common Reserve Subaccount falls below the highest rating category of each Rating Agency, and A.M. Best & Company, if rated by A.M. Best & Company, the City and County must, within 120 days, obtain a new Support Facility which, or which the long-term debt of the issuer of such new Support Facility, is rated in the highest rating category of such rating agencies; provided, however, that if the new Support Facility is not obtained within 120 days, the City and County must deposit in the Common Reserve Subaccount Net Revenues in the amount provided in the Bond Resolution. If a disbursement is made pursuant to a Support Facility deposited in the Common Reserve Subaccount, the City and County must: first, reinstate the full amount of such Support Facility; and second, if necessary, deposit Net Revenues in the Common Reserve Subaccount in the amount of the disbursement made under such Support Facility, in either case such that the amount in the Common Reserve

Subaccount will equal the Common Reserve Subaccount Requirement within a period of time not longer than would be required to restore the Common Reserve Subaccount by application of moneys in the Sewer Fund as required by the Bond Resolution. The City and County may at any time deposit cash or Investment Securities as replacement for one or more Support Facilities.

The City and County may arrange for the delivery, upon issuance of the Series 2008 Bonds, of a Support Facility in the form of a municipal bond debt service reserve fund policy in an amount equal to the amount of the portion of the Common Reserve Subaccount Requirement applicable to the Series 2008 Bonds.

*Separate Series Reserve Subaccounts.* The Bond Resolution permits the establishment of a Separate Series Reserve Subaccount to provide additional security for the Bonds of a Series which are not entitled to the benefit of the Common Reserve Subaccount. In the event of a deficiency in the Debt Service Subaccount to pay debt service on the Bonds of a Series entitled to the benefit of a Separate Series Reserve Subaccount, the amounts held in such Separate Series Reserve Subaccount are to be used exclusively to pay such debt service. The amount to be maintained in any such Separate Series Reserve Subaccount for a Series of Bonds is to be determined at the time such Bonds are authorized or sold. The credit quality of a Support Facility to be deposited in any Separate Series Reserve Subaccount for a Series of Bonds is also to be determined at the time such Bonds are authorized or sold. No Separate Series Reserve Subaccount has been established for the Series 2008 Bonds.

*Transfers to Reserve Subaccounts.* The Bond Resolution requires that in each month, after transferring to the Debt Service Subaccount an amount sufficient to pay debt service on the Bonds to accrue in such month, moneys in the Subordinate Obligation Account are to be transferred pro rata to the Common Reserve Subaccount and each Separate Series Reserve Subaccount in such amounts as are required so that the balances in the Common Reserve Subaccount and each Separate Series Reserve Subaccount are equal to their respective requirements, or at the election of the Department, so that at least one-sixth of any deficiency in the Common Reserve Subaccount or each Separate Series Reserve Subaccount is eliminated.

## **Rate Covenant**

The City and County is required by the Bond Resolution, among other things, to fix, charge and collect such rates and other charges as shall be required in order that in each Fiscal Year the Net Revenues shall not be less than the Net Revenue Requirement for such Fiscal Year. The Net Revenue Requirement means with respect to any Fiscal Year or any period, an amount equal to the greater of: (i) the sum of (a) the Aggregate Debt Service under the First Bond Resolution and the Aggregate Debt Service in such Fiscal Year or such period and (b) the Required Deposits for such Fiscal Year or such period; or (ii) 1.10 times the Aggregate Debt Service (as defined in the First Bond Resolution) under the First Bond Resolution and 1.10 times the Aggregate Debt service in such Fiscal Year or such period plus 1.00 times the aggregate Support Facility Reimbursement Obligations outstanding as of the end of such Fiscal Year or such period. Net Revenues means, with respect to any period, the Revenues during such period less amounts required to pay Operation and Maintenance Expenses. Required Deposits means, for any period, (i) the Required Deposits under the First Bond Resolution exclusive of transfers from the Sewer Fund to the Subordinate Obligation Account; and (ii) the amounts, if any, required: (a) to be paid into the Rebate Subaccount, the Common Reserve Subaccount, each Separate Series Reserve Subaccount, and the Third Lien Obligation Subaccount, and (b) to pay Support Facility Reimbursement Obligations. Required Deposits under the First Bond Resolution means, for any period, the amounts, if any, required: (i) to be paid into the Common Reserve Account, each Separate Series Reserve Account, the Subordinate Obligation Account and the Reimbursable Obligation Account under the First Bond Resolution; and (ii) to pay Support Facility Reimbursement Obligations under the First Bond Resolution. Aggregate Debt Service means, for any period and as of any date of computation, the sum of the amounts of Debt Service for such period with respect to all Series of Bonds or all First Resolution Obligations, as applicable. Support Facility Reimbursement Obligations are obligations of the City and County to directly reimburse the Support Facility Provider of a Support Facility for amounts paid thereunder or a Counterparty under an Interest Rate Exchange Agreement for amounts paid, whether or not such obligation to reimburse is evidenced by a promissory note or similar instrument.

Failure by the City and County to comply with the foregoing rate covenant in any Fiscal Year will not constitute an Event of Default under the Bond Resolution so long as the provisions of the Bond Resolution described below are complied with. Prior to the end of each Fiscal Year the Director of Environmental Services or

the Director of Budget and Fiscal Services if requested by the Director of Environmental Services is required by the Bond Resolution to complete a review of the financial condition of the Department for the purpose of estimating whether the Net Revenues for such Fiscal Year and for the next succeeding Fiscal Year will be sufficient to comply with the foregoing rate covenant and to make a written certification with respect to compliance or noncompliance. Such review is to take into consideration the completion of any uncompleted Improvements and the issuance of future Series of Bonds if necessary to finance the completion of such Improvements. Such written certification is to set forth a reasonably detailed statement of the actual and estimated Revenues, Operation and Maintenance Expenses, Aggregate Debt Service, and any other estimates or assumptions upon which such determination was based, shall be filed with the City Clerk on or before July 1 in each year. If it is determined in such written certification that the Revenues may not be so sufficient, the Director of Environmental Services or the Director of Budget and Fiscal Services if requested by the Director of Environmental Services must forthwith make a study for the purpose of determining a schedule of fees, rates and charges which, in the opinion of the Director of Environmental Services or the Director of Budget and Fiscal Services, will cause sufficient Revenues to be collected in the following Fiscal Year to comply with such rate covenant, or the Director of Environmental Services or the Director of Budget and Fiscal Services may elect to cause the Consulting Engineer to make such a study and render such certification. The City Council, as promptly as practicable but no later than 120 days following such determination by the Director of Environmental Services or the Director of Budget and Fiscal Services, or receipt of the Consulting Engineer's recommendation, is required to adopt and place in effect a schedule of fees, rates and charges as so determined or recommended. See "CERTAIN FINANCIAL, OPERATING AND OTHER INFORMATION AND STATISTICS – Rates and Charges" for current sewer charges, "HISTORICAL AND PROJECTED REVENUES, EXPENSES AND COVERAGES" for a discussion of the Department's projected rates, revenues and expenses, and "THE CITY AND COUNTY AND THE DEPARTMENT – Purpose and Powers" for a discussion of the rate making powers of the City Council.

### **Additional Bonds and Refunding Bonds**

The Bond Resolution permits the issuance of additional Series of Bonds (exclusive of refunding Bonds) on a parity with the Bonds then Outstanding ("Additional Bonds") for any lawful use or purpose relating to the Wastewater System, including, without limitation, payment of all or a portion of the Costs of Improvements, but only upon compliance as to each such Series with the conditions set forth in the Bond Resolution, which include delivery to the Director of Budget and Fiscal Services of the following documents or moneys or securities:

1. A written certificate of the City and County stating the amount required to be in the Common Reserve Subaccount after issuance of the Bonds then to be issued and that the amounts deposited will not be less than the Common Reserve Subaccount Requirement.
2. A written certificate of the City and County stating the amount required to be in the Separate Series Reserve Subaccount established for the Bonds of such Series after issuance of the Bonds then to be issued and that the amounts deposited will not be less than the Separate Series Reserve Subaccount Requirement for the Bonds of such Series.
3. Either:
  - (I) a written certificate of the City and County based: (i) on audited figures or (ii) to the extent audited figures are not available, on figures taken by an independent certified public accountant from the Department's books and records, showing that the Net Revenues for: (a) the most recent Fiscal Year, or (b) any consecutive 12-month period out of 24 months immediately preceding the month in which such Bonds are issued were not less than the greater of: (x) the sum of (1) the maximum of the sum of the Aggregate Debt Service on all First Resolution Obligations issued and outstanding under and pursuant to the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any Fiscal Year and the 12-month period selected and (2) the Required Deposits for such Fiscal Year or the 12-month period selected; and (y) the sum of (1) 1.10 times the maximum sum of the Aggregate Debt Service on all First Resolution Obligations issued and outstanding under and pursuant to the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any Fiscal Year and the 12-month period selected, and

(2) 1.00 times the aggregate Support Facility Reimbursement Obligations outstanding under the First Bond Resolution and the Bond Resolution as of the date of the written certificate of the City and County; or

(II) a written certificate of the City and County or Certificate of the Consulting Engineer that the Net Revenues to be derived in each of the five (5) Fiscal Years following the earlier of: (i) the end of the period during which interest is capitalized or, if no interest is to be capitalized, the Fiscal Year in which the proposed Series of Bonds are issued, and (ii) the date on which substantially all Improvements to be financed with the proceeds of the proposed Series of Bonds are expected to commence operations, or, if the proceeds of such Series of Bonds will not be used to fund the Costs of Improvements, the Fiscal Year in which the proposed Series of Bonds are issued, are estimated to be not less than the greater of: (x) the sum of (1) the maximum of the sum of the Aggregate Debt Service on all First Resolution Obligations issued under and pursuant to the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any such Fiscal Year, and (2) the Required Deposits for any such Fiscal Year; and (y) the sum of (1) 1.10 times the maximum of the sum of the Aggregate Debt Service on all First Resolution Obligations issued under and pursuant to the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any such Fiscal Year, and (2) 1.00 times the aggregate Support Facility Reimbursement Obligations outstanding under the First Bond Resolution and the Bond Resolution as of the date of such written certificate of the City and County or certificate of the Consulting Engineer, as the case may be (the "Additional Bonds Requirement"). See, however, "Proposed Amendment" below.

In determining Net Revenues for purposes of the certificates described above, the City and County or the Consulting Engineer, as the case may be, is permitted, and in certain instances is required, to make certain adjustments as provided in the Bond Resolution. In addition, the Bond Resolution requires that certain other adjustments to Net Revenues derived from Debt Service on Variable Rate Bonds and debt service on Bond Anticipation Notes and short-term Third Lien Obligations and Reimbursable Obligations be made for purposes of the written certificates described above. See Appendix A, "Summary of Certain Provisions of the Bond Resolution."

Bonds may be issued as variable rate bonds, fixed rate bonds, bonds providing for the right of the owner thereof to present the Bond for redemption or purchase prior to maturity, zero interest rate or deep discount bonds, bonds providing for the compounding of interest, or any combination thereof. Bonds may be issued or outstanding from time to time with or without credit enhancement provisions. See Appendix A, "Summary of Certain Provisions of the Bond Resolution."

The Bond Resolution also permits the issuance of Bonds ("Refunding Bonds") on a parity with the Bonds then Outstanding to refund all or any part of: (i) a Series of Outstanding Bonds; (ii) Third Lien Obligations; or (iii) Reimbursable Obligations. Refunding Bonds may only be issued by the City and County upon satisfaction of certain conditions set forth in the Bond Resolution.

The Series 2008 Bonds are Refunding Bonds. The Bond Resolution does not require, and this Official Statement does not include, a report or recommendation by the Department's Consulting Engineer with respect to the issuance of Refunding Bonds.

A more detailed description of the requirements relating to the issuance of Additional Bonds or Refunding Bonds is set forth in Appendix A under "Additional Bonds and Refunding Bonds."

The Bond Resolution also permits the issuance of notes in anticipation of a Series of Bonds if the City and County has theretofore authorized the issuance of such Bonds. The interest on such notes (and any renewal thereof) shall be payable from the proceeds of such notes or other notes or from the proceeds of the sale of the Bonds in anticipation of which such notes are issued. A more detailed description of the provisions for security for payment of such notes and other requirements relating to the issuance of notes is set forth in Appendix A under "Bond Anticipation Notes."

## Proposed Amendment

Pursuant to its provisions, the Bond Resolution may be amended with the consent of the Holders of not less than a majority of the Bonds then Outstanding. On August 16, 2006, the City Council adopted a resolution amending the Bond Resolution in the manner described below (the "Proposed Amendment"). The Proposed Amendment would amend the provisions in the Bond Resolution relating to the Additional Bonds Requirement as follows:

Either (I) a Written Certificate of the City and County based: (i) on audited figures or (ii) to the extent audited figures are not available, on figures taken by an independent certified public accountant from the Department's books and records, showing that the Net Revenues for: (a) the most recent Fiscal Year, or (b) any consecutive twelve (12) months' period out of twenty four (24) months immediately preceding the month in which such Bonds are issued were not less than the sum of (1) 1.10 times the maximum Aggregate Debt Service (as defined in the First Bond Resolution) on all First Resolution Obligations issued and outstanding under and pursuant to the terms of the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any Fiscal Year and (2) 1.00 times the aggregate Support Facility Reimbursement Obligations outstanding under the First Bond Resolution and this Resolution as of the date of the Written Certificate of the City and County; or (II) a Written Certificate of the City and County or Certificate of the Consulting Engineer that the Net Revenues to be derived in each of the five (5) Fiscal Years following the earlier of: (i) the end of the period during which interest is capitalized or, if no interest is to be capitalized, the Fiscal Year in which the proposed Series of Bonds are issued, and (ii) the date on which substantially all Improvements to be financed with the proceeds of the proposed Series of Bonds are expected to commence operations, or, if the proceeds of such Series of Bonds will not be used to fund the Costs of Improvements, the Fiscal Year in which the proposed Series of Bonds are issued, are estimated to be not less than the sum of (1) 1.10 times the maximum of the sum of the Aggregate Debt Service (as defined in the First Bond Resolution) on all First Resolution Obligations issued and outstanding under and pursuant to the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any such Fiscal Year, and (2) 1.00 times the aggregate Support Facility Reimbursement Obligations outstanding under the First Bond Resolution and this Resolution as of the date of such Written Certificate of the City and County or certificate of the Consulting Engineer, as the case may.

The Proposed Amendment would also amend provisions of the Bond Resolution relating to assumptions for Variable Rate Bonds in the calculation of the Addition Bonds Requirement. Specifically, in determining Debt Service on Variable Rate Bonds then Outstanding and Variable Rate Bonds then proposed to be issued for purposes of the Additional Bonds Requirement, the Proposed Amendment provides that the interest rate shall be calculated as: (i) if any Variable Rate Bonds are then Outstanding and have been Outstanding for at least twenty-four (24) months, the average interest rate borne by such Variable Rate Bonds over the preceding twelve (12) month period, or (ii) if no such Variable Rate Bonds are then Outstanding, (a) for the proposed Variable Rate Bonds that are Tax-exempt Bonds, the average interest rate of the Revenue Bond Index over the preceding twelve (12) month period at the time of calculation, and (b) for the proposed Variable Rate Bonds that are not Tax-exempt Bonds, the average interest rate of LIBOR over the preceding twelve (12) month period at the time of calculation.

Finally, the Proposed Amendment would amend certain provisions of the Bond Resolution relating to amendment of the Bond Resolution. First, the Proposed Amendment provides that for purposes of the effecting an amendment that requires Holder consent, the written consent of each Support Facility Provider providing a Support Facility for any Bonds shall constitute consent of the Holders of such Bonds. Second, the Proposed Amendment eliminates the requirements that after receipt of the Holders of the required percentage of Bonds have filed their consents, that notice of the applicable amendment published in The Bond Buyer, published in New York, New York, or in lieu of publication in The Bond Buyer, in some other newspaper specializing in financial matters printed in the English language and customarily published on each business day and of general circulation in the City of New York, New York, or in a newspaper of general circulation printed in the English language of general circulation in the State, and shall mail a copy of such notice, postage prepaid to each registered Holder of Bonds then Outstanding, at its address, if any, appearing upon the registry books.

The Proposed Amendment will become effective upon the filing of written consents to the amendment of the Holders of not less than a majority of the Bonds then Outstanding. As of November 30, 2007,

\$457,077,890 principal amount of Junior Bonds were outstanding and Holders of \$86,175,000 principal amount of Junior Bonds had consented to the Proposed Amendment. BY ACCEPTANCE OF THE SERIES 2008 BONDS OFFERED HEREBY, THE HOLDERS THEREOF SHALL BE DEEMED TO HAVE CONSENTED TO THE PROPOSED AMENDMENT.

## **BOND INSURANCE**

The following information has been provided by Financial Security Assurance Inc. for inclusion in this Official Statement. No representation is made by the City and County or the Underwriter as to the accuracy or completeness of such information.

### **Bond Insurance Policy**

Concurrently with the issuance of the Series 2008 Bonds, Financial Security Assurance Inc. ("Financial Security") will issue its Municipal Bond Insurance Policy for the Series 2008 Bonds (the "Policy"). The Policy guarantees the scheduled payment of principal of and interest on the Series 2008 Bonds when due as set forth in the form of the Policy included as an exhibit to this Official Statement.

The Policy is not covered by any insurance security or guaranty fund established under New York, California, Connecticut or Florida insurance law.

### **Financial Security Assurance Inc.**

Financial Security is a New York domiciled financial guaranty insurance company and a wholly owned subsidiary of Financial Security Assurance Holdings Ltd. ("Holdings"). Holdings is an indirect subsidiary of Dexia, S.A., a publicly held Belgian corporation, and of Dexia Credit Local, a direct wholly-owned subsidiary of Dexia, S.A. Dexia, S.A., through its bank subsidiaries, is primarily engaged in the business of public finance, banking and asset management in France, Belgium and other European countries. No shareholder of Holdings or Financial Security is liable for the obligations of Financial Security.

At December 31, 2007, Financial Security's consolidated policyholders' surplus and contingency reserves were approximately \$2,703,119,716 and its total net unearned premium reserve was approximately \$2,274,576,959 in accordance with statutory accounting principles. At December 31, 2007, Financial Security's consolidated shareholder's equity was approximately \$2,962,301,379 and its total net unearned premium reserve was approximately \$1,796,984,819 in accordance with generally accepted accounting principles.

The consolidated financial statements of Financial Security included in, or as exhibits to, the annual and quarterly reports filed after December 31, 2007 by Holdings with the Securities and Exchange Commission are hereby incorporated by reference into this Official Statement. All financial statements of Financial Security included in, or as exhibits to, documents filed by Holdings pursuant to Section 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934 after the date of this Official Statement and before the termination of the offering of the Series 2008 Bonds shall be deemed incorporated by reference into this Official Statement. Copies of materials incorporated by reference will be provided upon request to Financial Security Assurance Inc.: 31 West 52nd Street, New York, New York 10019, Attention: Communications Department (telephone (212) 826-0100).

The Policy does not protect investors against changes in market value of the Series 2008 Bonds, which market value may be impaired as a result of changes in prevailing interest rates, changes in applicable ratings or other causes. Financial Security makes no representation regarding the Series 2008 Bonds or the advisability of investing in the Series 2008 Bonds. Financial Security makes no representation regarding the Official Statement, nor has it participated in the preparation thereof, except that Financial Security has provided to the Issuer the information presented under this caption for inclusion in the Official Statement.

## THE CITY AND COUNTY AND THE DEPARTMENT

### Purpose and Powers

*The City and County.* The City and County of Honolulu includes the entire island of Oahu and a number of outlying islands. Of the eight major islands that constitute the State of Hawaii, Oahu, with an area of 597 square miles, is smaller than the Islands of Hawaii and Maui but larger than the Islands of Kauai, Molokai, Lanai, Niihau and Kahoolawe. With slightly less than a tenth of the land area in the entire State, Oahu contains nearly three-fourths of the State's resident population. Based on the 2000 U.S. Census, the resident population of the State was 1,211,537, and that of Oahu was 876,156, approximately 72% of the total State population. Honolulu is the seat of the State Government and is the State's trade, finance, communication, and transportation center. Most Federal establishments and personnel (both civilian and military), manufacturing, major educational and scientific, and significant agricultural activities are located on Oahu.

*City Council and Mayor.* The City Council is the governing body of the City and County and it consists of nine members. All members are elected from nine districts to serve four-year terms with a limitation of two consecutive full terms. Pursuant to the City Charter of the City and County, the City Council has the power, among other things: (i) to exercise the legislative power of the City and County, (ii) to enact operating and capital budget ordinances, (iii) with certain exceptions, to fix fees and charges for services rendered by the City and County, and (iv) to authorize the issuance of revenue bonds for the purpose of initiating, constructing, acquiring, extending, replacing or otherwise improving any revenue-producing facility. The Mayor is the Chief Executive Officer of the City and County. The Mayor is elected to serve a four-year term with a limitation of two consecutive full terms. The Mayor exercises direct supervision over all agencies specifically identified in the City Charter and, through the Managing Director, exercises supervision over all other executive agencies of the City and County.

*Department of Environmental Services.* The Department was established on July 1, 1998, pursuant to a plan of reorganization which combined certain components of the Department of Wastewater Management, the department which previously administered the Wastewater System, with other administrative departments having compatible functions. The Department, among other things, is charged with the responsibility to administer the planning, design and construction of wastewater facilities, oversee the operation and maintenance of sewer lines, treatment plants and pumping stations, monitor the collection, treatment and disposal of wastewater, provide pumping of cesspools, provide solid waste processing, collection and disposal, promulgate rules and regulations as necessary to administer and enforce requirements established by law, and perform such other duties as may be required by law. The Department consists of four divisions: Environmental Quality, Wastewater Treatment and Disposal, Collection System Maintenance, and Refuse Collection and Disposal, plus an Office of Administrative Support.

*Power to Fix and Collect Rates and Charges.* By ordinance and resolution, the City Council requires that revenues of the Wastewater System be kept in the Sewer Fund and that the wastewater program shall be self-supporting. Consistent with such requirements, the Department is budgeted as a self-sustaining enterprise for the purpose of determining costs associated with providing wastewater services. Through the adoption of the annual operating and capital budgets, the revenue requirements and wastewater rates are reviewed to determine the adequacy of revenues to meet needs. Pursuant to the Act and the City Charter, the City Council has the power to impose, prescribe and collect rates, rentals, fees or charges for the use and services of, and the facilities furnished by, the Wastewater System so that the Wastewater System will be and remain self-sustaining. The rates, rentals, fees or charges imposed and prescribed are required to produce revenues which will be at least sufficient to pay debt service on all revenue bonds issued for the purposes of the Wastewater System, including the Bonds, and including reserves therefor, to pay the costs of operation, maintenance and repair of the Wastewater System, and to carry out the covenants of all resolutions authorizing the issuance of revenue bonds for the purposes of the Wastewater System, including the Bond Resolution and the Second Resolution. The rates and charges fixed and imposed by the City Council are not subject to approval by any federal or state regulatory bodies. Rates and charges are determined on the basis of a recommendation by the Director of Environmental Services and the Mayor, subject to approval by ordinance of the City Council. An ordinance requires three readings and a public hearing for enactment by the City Council.

## **Department Work Force**

The Department employs approximately 700 persons in various managerial, clerical, engineering and operational positions in support of wastewater activities. This work force, with the exception of 18 excluded and 4 exempt employees, is represented by one blue-collar, non-supervisory bargaining unit, one blue-collar, supervisory bargaining unit, one white-collar, non-supervisory bargaining unit, one white-collar, supervisory bargaining unit, and one professional and scientific bargaining unit. All bargaining unit contracts are state-wide and apply to all State government and county government activities. Of the five public bargaining units representing Department employees, all have received final and binding arbitration awards or have reached negotiated settlements resulting in two-year contracts beginning July 1, 2007 and ending June 30, 2009.

All employees are covered by the Hawaii State Employees Retirement System. As of June 30, 2007, the total unfunded actuarial accrued liability for the State Retirement System was \$5.107 billion. The actuary for the State Retirement System does not provide a breakdown of the unfunded liability for the counties. Historically, the City and County's contribution has been approximately 14.7% of the total employer appropriation to the State Retirement System, of which the Department's contribution has been approximately 6.0%. Effective July 1, 2005, a fixed percentage of payroll is contributed (15.75% for Police and Fire and 13.75% for all other employees through June 30, 2008, increasing to 19.7% for Police and Fire and 15% for all other employees effective July 1, 2008).

In addition to pension benefits, beginning with the Fiscal Year ending June 30, 2008, state and local governments are required to account for and report other post-employment benefits ("OPEBs") under Statement No. 45 ("GASB 45") issued by the Governmental Accounting Standards Board. OPEBs consist of certain health and life insurance benefits provided through the State of Hawaii Public Employer-Union Health Benefit Trust Fund (the "Trust Fund") to retired state and county employees, including retired Department employees. Employer contributions to the Trust Fund for these benefits are determined by the Trust Fund based on employees' hiring dates and years of service.

In March 2008, the State's independent actuarial consultant provided estimates of the actuarial accrued liabilities and annual OPEB costs under GASB 45 for the State and the counties (including the City and County) as of July 1, 2007. These address two distinct scenarios: (1) no prefunding of obligations; and (2) full prefunding of obligations. The actuarial accrued liabilities for Trust Fund OPEBs were estimated to be approximately \$10.3 billion with no prefunding or \$6.7 billion with full prefunding for such period. The corresponding annual OPEB costs for the Fiscal Year ended June 30, 2008 were estimated to be approximately \$752 million with no prefunding or \$549 million with full prefunding.

The consultant's report estimates that actuarial accrued liabilities totaling approximately \$1.952 billion with no prefunding or \$1.242 billion with full prefunding are allocable to the City and County for the Fiscal Year ending June 30, 2008, and that annual OPEB costs totaling approximately \$142.3 million with no prefunding or \$101.4 million with full prefunding are allocable to the City and County for that Fiscal Year. Historically, the Department has accounted for approximately 7.1% of the City and County's OPEB annual contribution.

In its Fiscal Year 2008 Operating Budget, the City and County appropriated \$85.633 million, including \$5.377 million from the Sewer Fund, for current Trust Fund requirements, which includes a portion of the OPEB requirement, and appropriated \$40.011 million, including \$3.875 million from the Sewer Fund, to an internally-held reserve fund for future OPEB funding obligations.

## **Department Principal Officers**

The principal officers of the Department include the Director, Deputy Director and Executive Assistant. The following are brief biographies of the Department's principal officers:

*Dr. Eric S. Takamura, P.E., Director.* Dr. Takamura was appointed Director on April 6, 2005, after serving as Acting Director for approximately four months. Dr. Takamura's professional experiences include Assistant Professor in the Department of Civil Engineering at both Portland State University and the University of

Hawaii; Assistant General Manager of Kuilima Development Company; Project Manager for R.M. Towill Corporation; and most recently, Vice President and Chief Operating Officer of a local engineering firm. He has a Doctor of Philosophy degree in Civil Engineering (with emphasis in Environmental Health) from the University of Texas at Austin, a Master of Science degree in Environmental Health Engineering from the University of Texas at Austin, and a Bachelor of Science degree with Honors in Civil Engineering from the University of Hawaii at Manoa.

*Kenneth A. Shimizu, Deputy Director.* Mr. Shimizu was appointed Deputy Director on January 3, 2005, and brings his experiences as a controller and business owner. His knowledge of corporate administrative and financial functions, cash flow management, and customer service contributes to his oversight of the operation and management of the Department. Mr. Shimizu has a Bachelor of Business Administration degree in Finance from the University of Hawaii at Manoa.

*Ross S. Tanimoto, Deputy Director.* Mr. Tanimoto became Deputy Director on April 19, 2007. Mr. Tanimoto has been with the Department of Environmental Services and its predecessor agencies since 1992 and has served as both the Assistant Chief, Division of Environmental Quality, and Branch Chief, Monitoring and Compliance Branch. He has a Masters of Science Degree in Mechanical Engineering from California State University, Long Beach, and Bachelor of Science degrees in Mechanical Engineering and Meteorology from the University of Hawaii. Mr. Tanimoto is a registered Professional Engineer in Mechanical Engineering in the States of Hawaii and California.

*Timothy A. Houghton, Executive Assistant.* Mr. Houghton served as Executive Assistant for the Department of Wastewater Management from its creation on July 1, 1993, and has continued in that role with the Department of Environmental Services, except for the period from July, 2003, through December, 2004, when he served as Deputy Director of the Department. As Executive Assistant, among other things, Mr. Houghton is responsible for Department financial and personnel activities. Prior to that he worked on the Honolulu Rapid Transit Project and with the Department of Auditoriums. Mr. Houghton has a Bachelor of Arts degree from San Francisco State University and a Master of Science in Systems Management degree from the University of Southern California.

## **THE WASTEWATER SYSTEM**

### **Introduction**

As of January 2008, the Wastewater System serviced approximately 142,000 separate accounts and a population of approximately 640,000, which is approximately 74% of the total population of the City and County. The service area covers nearly 600 square miles. The customer base includes the residential population, business and industrial users, and other users located in the service area. Of the approximately 142,000 accounts, approximately 134,000 are residential and provide approximately 77% of the total revenue from sewer service charges; the remaining approximately 8,000 are non-residential, representing approximately 23% of the total revenue from sewer service charges. See "CERTAIN FINANCIAL, OPERATING AND OTHER INFORMATION AND STATISTICS." The average total volume of wastewater processed by the City and County's Wastewater System was 105.1 MGD average day annual flow in Fiscal Year 2007. A number of small private wastewater systems also serve some areas in the City and County. The average total volume of wastewater processed by all such private systems is approximately 4.3 MGD.

### **General Description of Existing Facilities**

The Wastewater System serving the island of Oahu is divided into eight wastewater basins for planning purposes: Central Oahu, East Mamala Bay, Kailua/Kaneohe/Kahaluu, North Oahu (East), North Oahu (West), Waianae, Waimanalo, and West Mamala Bay. Each basin is served by a major wastewater treatment plant ("WWTP"). The function of each WWTP is to treat wastewater by removing or reducing organic and inorganic materials to levels that satisfy federal and state permit requirements for the discharge of such wastewater into the ocean, streams, reservoirs or injection wells. In addition to treatment facilities, the Wastewater System includes collection, pumping and other related facilities.

A description of the wastewater basins and major facilities is as follows:

*East Mamala Bay.* The largest and the most densely populated basin is East Mamala Bay. Approximately 385,300 people reside in East Mamala Bay, representing approximately 44% of the resident population of the entire island. The basin is served by the Sand Island WWTP, a primary plant, and the largest treatment facility in terms of wastewater flow. The treatment plant has a primary treatment capacity of 86 MGD, and in Fiscal Year 2007, average daily flows were 60.483 MGD.

*West Mamala Bay.* West Mamala Bay is the second largest basin and includes Ewa, Central Oahu as far north as Mililani, and the Halawa to Pearl City area. The population of the basin area is approximately 251,200, or 29% of the estimated population of Oahu. The basin is served by the Honouliuli WWTP, which is the second largest treatment plant in the Wastewater System, with a primary treatment design capacity of 40 MGD and a secondary treatment design capacity of 13 MGD. In Fiscal Year 2007, average daily flows were 25.680 MGD. The secondary treated effluent is provided to a recycled water facility.

*Kailua/Kaneohe/Kahaluu.* The third largest basin includes the communities of Kailua, Kaneohe, and Kahaluu and surrounding areas in the eastern part of the island. The eastern portion of Oahu is also referred to as the Windward basin area. The basin area population is nearly 105,000, or approximately 12% of the island's population. The basin is served by the Kailua Regional WWTP, the third largest treatment plant in the Wastewater System. The Kailua WWTP has a design capacity of 16 MGD and in Fiscal Year 2007 average daily flows were approximately 12.720 MGD.

*North Oahu (East and West).* Most of the North Oahu area does not have centralized sewer service though there are two small facilities including the Kahuku WWTP (0.4 MGD capacity, secondary) and the Pa'alaa Kai WWTP (0.15 MGD capacity, secondary). In Fiscal Year 2007, these facilities had average daily flows of 0.174 MGD and 0.087 MGD, respectively. The City and County began operating the Laie wastewater system on November 1, 2006, and expects to assume full ownership shortly. The Laie Water Reclamation Facility (LWRF) has a capacity of 0.9 MGD at the tertiary level and had an average flow of 0.311 MGD in Fiscal Year 2007.

*Waianae.* The Waianae basin serves the west coast of the island, which has a population of approximately 40,600. The Waianae WWTP has the capacity to process 5.5 MGD at a secondary level.

*Central Oahu.* Central Oahu, including military bases and the communities of Wahiawa and Whitmore Village, is served by the Wahiawa WWTP (2.6 MGD capacity, secondary).

*Waimanalo.* The Waimanalo basin is served by the Waimanalo WWTP, which is owned by the State and operated by the City and County. It is a secondary plant with a capacity of 0.7 MGD and serves the Waimanalo community of 9,100.

The Sand Island WWTP, the Honouliuli WWTP and the Kailua Regional WWTP are the three largest WWTPs. The remaining WWTPs provide treatment of wastewater to the rest of the island. Though the five basin areas of Central Oahu, North Oahu (East and West), Waianae, and Waimanalo comprise the majority of the geographical area of the island, the population density is much lower in comparison to the East and West Mamala Bay and the Kailua/Kaneohe/Kahaluu basin areas. The combined population of the five basin areas is less than 15% of the total population of Oahu. The total design capacity of the WWTPs in the five basin areas is approximately 9 MGD and the current wastewater flow is approximately 7 MGD. A private wastewater system provides collection and treatment for the community of Hawaii Kai. The Hawaii Kai system has an average flow of 4.2 MGD, including flows from the City and County's Kulioouou Wastewater Pumping Station ("WWPS"). The system processes less than 4% of the average flow of the City and County's Wastewater System.

## **Environmental Compliance**

The WWTPs and other facilities operated by the Department are governed either by National Pollutant Discharge Elimination System (NPDES) permits or by State of Hawaii Department of Health Underground Injection Control permits. Since 1991, the U.S. Environmental Protection Agency ("EPA"), the State of Hawaii

Department of Health (“DOH”) and several environmental groups have filed various legal and regulatory actions against the City and County alleging violations of the federal Clean Water Act and the several NPDES and DOH permits held by the Department. The City and County has entered into settlements and consent decrees with respect to several of such actions which require the City and County, among other things, to rehabilitate and expand certain existing facilities, to implement pretreatment programs, to institute efficient effluent and biosolids reuse, and to construct new facilities. The Department has undertaken the rehabilitation and expansion of existing facilities, the implementation of pretreatment programs, effluent and biosolids reuse, and the construction of new facilities in the last several years to comply with these consent decrees. The Department also developed the 1998-2017 Capital Improvement Program, in part, to comply with the consent decrees as well as federal and state administrative orders and NPDES permit requirements. See also “PENDING LITIGATION.”

A rupture of the Beachwalk force main on Kaiolu Street occurred in March 2006, resulting in the release of 48.7 million gallons of untreated wastewater into the Ala Wai Canal in Waikiki. The City and County repaired the force main, which was put back into service on March 29, 2006. The City and County is currently installing a construction bypass force main in two phases. Once this is completed, the Beachwalk Wastewater Pump Station will be operated utilizing the existing force main. The new force main segment and construction bypass force main will be used only as a backup force main. A leak detection and monitoring plan was developed with the DOH and will be implemented by the City and County whenever the construction bypass force main is utilized. Ultimately, this bypass will be removed after the City and County constructs a new force main.

As a result of the 2006 Beachwalk spill, and after one year of negotiations, the EPA, U.S. Department of Justice (“DOJ”), DOH, and the City and County entered into a stipulated order that addresses the Beachwalk force main, five other force mains, and one pump station. The stipulated order, which has been accepted by the court, resolves the entire civil enforcement action that was simultaneously filed with the stipulated order against the City and County with respect to the spill. The estimated cost of the work in the stipulated order is approximately \$300 million, which is included in the City and County’s 1998-2017 Capital Improvement Program.

In March 2007, the EPA issued a tentative decision to deny an application for a renewed variance from secondary treatment for the Honouliuli wastewater treatment plant. In December 2007, the EPA issued a similar decision with respect to the Sand Island wastewater treatment plant. The City and County is vigorously challenging these tentative decisions. The EPA’s final decisions may come before the end of 2008. If the City and County’s applications are denied, the cost of secondary treatment at Honouliuli and Sand Island is estimated to be \$400 million and \$800 million, respectively, in project costs. These costs are not included in the City and County’s 1998-2017 Capital Improvement Program. At this point, it is speculative to estimate any further impact in relation to these tentative decisions.

The cost of any potential liability for the above referenced events for alleged violations or penalties, beyond the City and County’s approximate \$3.81 billion (in inflated dollars) 1998-2017 Capital Improvement Program to upgrade its collection systems and wastewater treatment plants, is speculative.

See “CAPITAL IMPROVEMENT PROGRAM” herein.

### **Projected Customer Growth**

The resident population in Oahu, the area served by the Wastewater System, is projected to grow modestly through 2020. The actual and projected resident population, by basin area, for the years 1990 through 2020 is shown in the following tables. The majority of growth between the years 1990 and 2020 is expected to occur in East and West Mamala Bay. Of the total population growth projected to occur between 1990 and 2020, approximately 94,000 or 59% is expected to take place in West Mamala Bay and over 54,000, or 34%, is expected to occur in East Mamala Bay. The tables show an estimated average annual population increase of 5,308 between 1990 and 2020, or roughly 0.5% annually.

**Table 1**

**Actual and Projected Resident Population  
By Basin, Oahu, 1990-2020**

<b><u>Basin</u></b>	<b><u>1990</u></b>	<b><u>2000</u></b>	<b><u>2005</u></b>	<b><u>2010</u></b>	<b><u>2015</u></b>	<b><u>2020</u></b>
East Mamala Bay	380,157	374,366	385,303	402,731	421,828	434,250
West Mamala Bay	199,005	239,713	251,239	267,301	273,752	293,036
North Oahu (East/West) <sup>1</sup>	29,992	31,094	31,331	31,372	34,325	33,374
Waianae	37,411	39,271	40,635	41,094	41,336	42,183
Central Oahu	44,540	45,254	44,996	44,716	44,546	44,231
Kailua/Kaneohe/Kahaluu	108,639	106,300	105,502	104,738	108,812	109,214
Waimanalo	<u>9,055</u>	<u>9,161</u>	<u>9,099</u>	<u>9,043</u>	<u>9,631</u>	<u>9,749</u>
Total	808,799	845,159	868,105	900,995	934,230	968,037

<sup>1</sup> Includes population of Laie, which is currently served by a privately owned sewer system operated by the City and County.

Source: City and County of Honolulu, Department of Environmental Services; City and County of Honolulu, Department of Planning and Permitting, 2001.

**Table 2**

**Actual and Projected Percentage Growth in Resident Population  
By Basin, Oahu, 1990-2020**

<b><u>Basin</u></b>	<b>1990-2000</b>		<b>1990-2020</b>	
	<b><u>Average Annual Change</u></b>	<b><u>Percent of Total Growth</u></b>	<b><u>Average Annual Change</u></b>	<b><u>Percent of Total Growth</u></b>
North Oahu (East)	(45)	-1.2%	49	0.9%
Kailua-Kaneohe/Kahaluu	(234)	-6.4	19	0.4
Waimanalo	11	0.3	23	0.4
East Mamala Bay	(579)	-15.9	1,803	34.0
West Mamala Bay	4,071	112.0	3,134	59.1
Waianae	186	5.1	159	3.0
Wahiawa	71	2.0	(10)	-0.2
North Oahu (West)	<u>155</u>	<u>4.3</u>	<u>131</u>	<u>2.5</u>
Total	3,636	100.0	5,308	100.0

Source: City and County of Honolulu, Department of Environmental Services; City and County of Honolulu, Department of Planning and Permitting, 2001.

The Department has developed the 2009-2013 Capital Improvement Program, the 2009-2017 Capital Improvement Program and the 1998-2017 Capital Improvement Program, in part to provide new facilities which will be required to reliably serve projected growth in the number of customers served by the Wastewater System. See "CAPITAL IMPROVEMENT PROGRAM" herein.

## CAPITAL IMPROVEMENT PROGRAM

The Department staff manages and updates at least annually a long-range Capital Improvement Program (the “CIP”) to achieve several goals. The CIP is a long-range planning tool used to estimate project costs and timing of expenditures over a 20-year period, currently through 2017. The 2009-2013 Capital Improvement Program and the 2009-2017 Capital Improvement Program are part of this 20-year plan. The Department develops the CIP with the objective of providing safe and reliable facilities to process the wastewater discharge of all sewer customers throughout Oahu. CIP projects are needed for the rehabilitation of existing facilities, the expansion of capacity to accommodate growth, and the improvement of facilities and processes.

### 1995 Consent Decree

The City and County, EPA and DOH entered into a consent decree filed in the United States District Court, District of Hawaii, on May 15, 1995 that has established the City and County’s direction on future wastewater issues. The overall goal established by the consent decree is to develop a proactive plan to reduce and prevent wastewater spills and bypasses from the collection system, pump stations, and treatment plants. See “PENDING LITIGATION” herein for a description of actions filed against the City and County by the EPA, the DOH, the Sierra Club and other environmental groups.

A number of projects identified in the CIP are designed to comply with the 1995 Consent Decree. Consent decree projects are developed to meet three major program objectives:

1. *Pretreatment:* Source control program to control introduction of inappropriate materials into the collection and treatment system. This program does not require funding of any CIP project.
2. *Collection system compliance:* Spill reduction program for both dry weather spills, and wet weather spills.
3. *Supplemental environmental projects:* City and County commitment to undertake beneficial and feasible effluent and sludge reuse projects.

### Criteria for Ranking CIP Projects by Priority

The Department considers the CIP to be a flexible tool which allows the Department staff to determine the impact of adjusting the phasing and priority of projects. As of early 2008, the long-range CIP covering the 20-year period from 1998 through 2017 included a list of projects with estimated appropriations totaling approximately \$3.81 billion (in inflated dollars). Many of the projects shown in the CIP may not begin in the year specified or at all if needs change. The Department staff has developed a policy for ranking the CIP projects by priority to determine order and timing of projects. The policy is shown in the following table, with the highest priority criteria listed first:

**Table 3**

#### **Priority for CIP Projects**

<b><u>Priority Class</u></b>	<b><u>Description</u></b>
I	Safety and public health – immediate
II	Protection of the environment – immediate
III	Permit and regulatory compliance – immediate
IV	Completion of ongoing projects
V	Preventive
VI	Funding requirements
VII	System expansion
VIII	Other

The rankings are intended as guidelines for CIP project planning, not as hard and fast rules. A project considered in a low priority class may be upgraded to a high priority position in the CIP due to any number of factors. For example, if a service area is very close to reaching and surpassing the capacity of its wastewater facilities, the expansion of the system in that area rises in priority. System expansion can entail projects which affect permit and regulatory compliance, protection of the environment, or safety and public health. Through the use of these guidelines combined with analyses of funding and other resource constraints, staff can develop a CIP which best satisfies the needs of the Department customer base. The 1998-2017 Capital Improvement Program was developed using these CIP guidelines and constitutes the current 20-year CIP.

### **Classification of CIP Projects**

The City and County expects to use various funding sources to finance CIP projects: (i) proceeds of additional Senior Bonds, Junior Bonds and other Subordinate Obligations to be issued, (ii) proceeds of Reimbursable Obligations previously issued and currently available, (iii) proceeds of Senior Bonds and Junior Bonds previously issued and currently available, (iv) the Net Revenues of the Wastewater System, and (v) Wastewater System Facilities Charges. Revenues from Wastewater System Facility Charges are intended to cover a portion of the project expenditures relating to expansion of the Wastewater System to serve future growth in the number of customers. Revenues from sewer service charges are earmarked for the expenditures resulting from rehabilitation or upgrade of the wastewater system for existing users. To effectively determine the costs to be recouped by these respective charges, the Department makes a fair estimate of the share of costs attributable to expansion and rehabilitation. Where an improvement benefits both existing and future users, the Department identifies the relative portion allocable to each. The classes of CIP projects include system expansion, system upgrade, and replacement/rehabilitation.

*System expansion:* Improvements which increase the design capacity of treatment, transmission, or support facilities and equipment to accommodate new or future growth. Future users would finance system expansion project costs partially through revenues from Wastewater System Facility Charges.

*System upgrade:* Improvements which upgrade the service level standard. For example, an upgrade to secondary treatment processes where only primary treatment processes were used. To fairly allocate costs between future and existing users, the portions of upgrade costs attributable to expansion and current use must be identified.

*Replacement/rehabilitation:* Improvements which replace or rehabilitate facilities serving existing development. Existing users pay the costs of replacement and rehabilitation projects through sewer service charges.

### **2009-2013 Capital Improvement Program**

To meet certain consent decrees entered into by the Department with Federal and State regulatory bodies and to reliably serve projected growth in the number of customers served by the Wastewater System, the Department has developed and adopted the 2009-2013 Capital Improvement Program. The additions and improvements to the Wastewater System, the costs of which are to be financed in part from the proceeds of the Series 2008 Bonds, are part of the 2009-2013 Capital Improvement Program. The City and County expects to appropriate approximately \$1.48 billion (in inflated dollars) for the 2009-2013 Capital Improvement Program. A portion of these appropriations will actually be expended after the 2009-2013 period. The projected appropriations for the various CIP projects of and the expected sources of funding for the 2009-2013 Capital Improvement Program are set forth in the following tables.

**Table 4**

**Projected Appropriations for  
2009-2013 Capital Improvement Program**

<b><u>Project</u></b>	<b><u>Projected Cost</u></b>
CIP Projects	\$1,410,280,000
Project Management	49,740,000
Capital Equipment	<u>23,000,000</u>
Total	\$1,483,020,000

**Table 5**

**Expected Sources of Funding for  
2009-2013 Capital Improvement Program**

<b><u>Funding Source</u></b>	<b><u>Projected Amount</u></b>
Subordinate Obligations <sup>1</sup>	\$ 88,500,000
Facility Charges <sup>2</sup>	44,370,000
Net Revenues <sup>3</sup>	228,213,000
Additional Bonds	<u>1,121,937,000</u>
Total	\$1,483,020,000

<sup>1</sup> State revolving fund loan proceeds.

<sup>2</sup> Fees collected for new Wastewater System connections.

<sup>3</sup> Cash funded CIP.

**2009-2017 Capital Improvement Program**

The 2009-2017 Capital Improvement Program is part of the 1998-2017 Capital Improvement Program. The City and County expects to appropriate approximately \$2.19 billion (in inflated dollars) for the 2009-2017 Capital Improvement Program. A portion of these appropriations will actually be expended after the 2009-2017 period. The projected appropriations for the various CIP projects of and the expected sources of funding for the 2009-2017 Capital Improvement Program are set forth in the following tables.

**Table 6**

**Projected Appropriations for  
2009-2017 Capital Improvement Program**

<b><u>Project</u></b>	<b><u>Projected Cost</u></b>
CIP Projects	\$2,042,570,000
Project Management	99,100,000
Capital Equipment	<u>47,900,000</u>
Total	\$2,189,580,000

**Table 7**

**Expected Sources of Funding for  
2009-2017 Capital Improvement Program**

<b><u>Funding Source</u></b>	<b><u>Projected Amount</u></b>
Subordinate Obligations <sup>1</sup>	\$ 118,500,000
Facility Charges <sup>2</sup>	84,910,000
Net Revenues <sup>3</sup>	854,856,000
Additional Bonds	<u>1,131,314,000</u>
Total	\$2,189,580,000

<sup>1</sup> State revolving fund loan proceeds.

<sup>2</sup> Fees collected for new Wastewater System connections.

<sup>3</sup> Cash funded CIP.

**1998-2017 Capital Improvement Program**

The 1998-2017 Capital Improvement Program (“CIP”) is the current twenty-year CIP the Department has undertaken. The City and County expects to appropriate approximately \$3.894 billion (in inflated dollars) for the 1998-2017 Capital Improvement Program. A portion of these appropriations will actually be expended after the 1998-2017 period. The projected appropriations for the various CIP projects of and the expected sources of funding for the 1998-2017 Capital Improvement Program are set forth in the following tables.

**Table 8**

**Projected Appropriations for  
1998-2017 Capital Improvement Program**

<b><u>Project</u></b>	<b><u>Projected Cost</u></b>
CIP Projects	\$3,559,754,000
Project Management	129,130,000
Capital Equipment	81,080,000
Ongoing Projects	<u>83,985,000</u>
Total	\$3,894,384,000

**Table 9**

**Expected Sources of Funding for  
1998-2017 Capital Improvement Program**

<b><u>Funding Source</u></b>	<b><u>Projected Amount</u></b>
Reimbursable Obligations <sup>1</sup>	\$ 83,985,000
Subordinate Obligations <sup>2</sup>	207,206,000
Facility Charges <sup>3</sup>	126,755,000
Net Revenues <sup>4</sup>	898,971,000
Prior Bonds	835,022,000
Additional Bonds	<u>1,742,445,000</u>
Total	\$3,894,384,000

<sup>1</sup> Previously issued general obligation bonds.

<sup>2</sup> State revolving fund loan proceeds.

<sup>3</sup> Fees collected for new Wastewater System connections.

<sup>4</sup> Cash funded CIP.

**HISTORICAL AND PROJECTED REVENUES, EXPENSES AND COVERAGES**

Since its initial revenue bond issue in 1998, the Department has exceeded coverage requirements, as shown in Table 10, which sets forth historical and projected revenues, expenses and debt service coverage of the Wastewater System.

**Table 10**

**Historical and Projected Revenues, Expenses and Debt Service Coverages**  
(\$ in thousands)  
(Fiscal Year Ending June 30)

	Actual		Budgeted			Projected		
	2006	2007	2008	2009	2010	2011	2012	2013
Revenues <sup>1</sup>								
Sewer Service Charges <sup>2</sup>	\$142,167	\$160,963	\$197,280	\$233,430	\$276,210	\$318,510	\$367,290	\$412,490
Interest Earnings	4,166	13,736	8,800	8,600	4,800	5,900	7,200	9,500
Other Revenues	<u>211</u>	<u>260</u>	<u>106</u>	<u>136</u>	<u>136</u>	<u>136</u>	<u>136</u>	<u>136</u>
Total Revenues	\$146,544	\$174,960	\$206,168	\$242,166	\$281,146	\$324,546	\$374,626	\$422,126
Operating Expenses <sup>3</sup>	82,961	83,773	123,222	130,138	130,930	135,770	140,600	145,740
Net Revenues	\$63,583	\$91,186	\$82,964	\$112,028	\$150,216	\$188,776	\$234,026	\$276,386
Annual Debt Service								
Senior Lien Bonds <sup>4</sup>	12,947	30,060	34,422	42,281	59,245	81,091	103,740	125,275
D/S Coverage <sup>5</sup>	4.91x	3.03x	2.41x	2.65x	2.54x	2.33x	2.26x	2.21x
Senior and Junior Lien Bonds <sup>6</sup>	24,408	41,520	59,127	68,734	87,971	111,980	139,520	162,103
D/S Coverage <sup>5</sup>	2.61x	2.20x	1.40x	1.63x	1.71x	1.69x	1.68x	1.71x
Total Obligations <sup>7</sup>	34,260	56,690	72,865	98,483	115,694	137,435	161,740	183,477
D/S Coverage <sup>5</sup>	2.11x	1.69x	1.25x	1.22x	1.37x	1.44x	1.51x	1.56x

<sup>1</sup> Does not include System Facility Charges, which are pledged under the Resolution but are not defined in Revenues.

<sup>2</sup> Sewer service charges increased by 25% in 2006 and 10% in 2007, and will increase by an additional 25% in 2008, 18% in 2009, 18% in 2010, and 15% in 2011.

<sup>3</sup> Operating expense projections reflect both anticipated operational changes and beyond 2009 are inflated at 3% per year for expenses and 3% per year for personnel costs. In 2008 and 2009, electrical costs are included for required one year test of full operation of newly installed ultraviolet disinfection facility at the Sand Island WWTP. Operating expenses do not include debt service, depreciation, or cash expenditures on capital improvements. Cash expenditures on capital improvements increased from approximately \$7 million in 2008 to \$20 million in 2009, reflecting funds generated through previous years coverage earnings.

<sup>4</sup> Includes actual debt service for Senior Series 1998, 2001, 2005, 2006 and 2007 and assumes 5.5% interest rate for all future issues.

<sup>5</sup> Minimum debt service coverage requirements are: Senior Lien Bonds – 1.2x; Senior and Junior Lien Bonds – 1.1x; Total Obligations – 1.0x. Debt service coverage for Total Obligations includes revenue from System Facility Charges. System Facility Charge revenues are shown in Table 18 and in Appendix A.

<sup>6</sup> Includes actual debt service for Senior and Junior Series 1998 and Senior Series 2001, 2005, 2006 and 2007 Bonds and assumes a 5.5% interest rate for Junior Series 2003 Bonds and a 5.5% interest rate for all future Senior Bond issues.

<sup>7</sup> Includes actual debt service for existing obligations including Senior and Junior Bonds; reimbursable General Obligation Bonds; State Revolving Funds Loans; and any other debt obligations and assumes future interest rates for Revenue Bonds as indicated above.

## CERTAIN FINANCIAL, OPERATING AND OTHER INFORMATION AND STATISTICS

### Management's Discussion of Financial Performance

In the period since the wastewater program became fully self-supporting in 1993, the program's financial position has been consistently strong. The change to enterprise fund status in 1998 further strengthened the position of the utility through clearer definition of enterprise assets, understanding of their current value, and clarity in responsibilities. The issue of the initial Wastewater Revenue bonds in 1998 accompanied by a strong debt and financial policy adopted by the City Council served to insure a continuing commitment to a strong financial posture for the wastewater enterprise.

In 2005, the City and County adopted a rate ordinance providing for increases in wastewater rates and future rate adjustments for the period July 1, 2005 through July 1, 2011, and in 2007 adopted increases to those

rates for the period July 1, 2007 through July 1, 2011. See “Rates and Charges” below. Revenues have been sufficient throughout the period to meet all operation and maintenance and debt service requirements, including coverage. The significant base component of the rate structure and growth in customers prevents changes in water use from having a major impact on revenues. The sewer service charge program will remain strong reflecting the high residential component of wastewater customers and the lack of any single large commercial customer.

Receipts from the Wastewater System Facility Charge were high in Fiscal Years 2005 and 2006, reflecting improved local economic conditions allowing development, a significant rate increase effective July 1, 2003, and annual rate increases thereafter. Receipts decreased in Fiscal Year 2007, however, reflecting the large number of project startups in the two prior years. The Wastewater System Facility Charge accounts for less than 2.8% of revenues, is solely dedicated to expansion, and is not considered when calculating debt service coverage for the Bonds and Subordinate Obligations.

Efforts continue to control expenses, however, cost escalation, additional facilities, and increased operational requirements have resulted in higher operating budgets. Continuing analyses of operational procedures and increased automation opportunities are expected to help control expenses in the long term.

Net revenues have increased through Fiscal Year 2007, reflecting increased revenue from rate increases. The enterprise has continued to maintain a surplus throughout that period.

As part of the commitment to ensure the financial strength of the Wastewater System, the City Council adopted Ordinance No. 05-006 on March 31, 2005, pledging not to transfer Sewer Fund monies to the City and County’s General Fund.

In the opinion of the Department, the financial position of the Wastewater System is strong, with a substantial reserve balance which provides reasonable protection against unforeseen events and financial flexibility for the future. Financial planning continues to identify the best alternative to maintain a strong financial posture while providing quality service to the customer and the community at a reasonable price. City Council and administration policies support the continuing revenue levels necessary to provide for current and future requirements.

### **Billing and Collection**

Over 90% of Wastewater System sewer service charge billing is done by the Board of Water Supply through inclusion on the water bill. This billing program consistently has a delinquency (bills over 90 days old) of less than 2.4% and an uncollectable rate of less than 1.0%.

Should bills not be paid, the authority exists, and has been exercised, to terminate water service for non-payment of water and sewer service charges.

### **Ten Largest Customers**

The ten largest customers of the Wastewater System in Fiscal Year 2007 (see table below) account for less than 5.5% of the annual revenues of the system.

**Table 11**

**Ten Largest Customers  
Fiscal Year 2007**

<b><u>Customer</u></b>	<b><u>Sewer Service Charges</u></b>	<b><u>Percentage of Revenues</u></b>
State of Hawaii, Department of Education	\$1,679,426	1.04%
State of Hawaii, Department of Transportation, Airports	1,536,666	0.95
Housing & Community Development Corp of Hawaii	1,386,688	0.86
University of Hawaii	1,373,392	0.85
Hilton Hotel Corp	981,555	0.61
City and County of Honolulu, Department of Parks & Recreation	473,941	0.29
Sheraton Waikiki Hotel	452,889	0.28
United Laundry Service	352,318	0.21
State of Hawaii, Halawa Correctional Facility	316,521	0.19
Hyatt Regency Waikiki	309,216	0.19

Certain operating and financial statistics of the Department are summarized in the following tables. Unless otherwise noted, tables provided herein contain data furnished by the City and County.

**Table 12**

**Board of Water Supply (BWS) and Wastewater Customer Accounts as of January 31, 2008**

	A	B	C	D	E	F	G	J	L	M	N	P	Q	S			
Customer Class	Sewer Regular Monthly Charges	Cesspool Monthly Charge (Contract)	Cesspool Per Call	Separate BWS Water Meter (domestic use)	Cesspool Chemical Treat	Agreed to Monthly Charge	Sewer No Charge	Non-residential SS surcharge	Private Water Well	Private Waste-water Meter	Private Water Meter	Minimum Monthly Charge Only	Septic System	Submetr Program	Total	Percent Accounts	
<b>1 - Public Sewer</b>																	
<b>10 – Single family/duplex</b>	127,166	9	11,159	0	0	5	9,366	0	0	0	3	1	629	66	148,404	88.23%	
<b>15 – Mixed residential</b>	0	0	4	0	0	0	190	0	0	0	10	0	1	0	205	0.12%	
<b>20 - Multi-family</b>	5,834	0	117	0	0	0	482	0	0	0	0	0	3	90	6,526	3.88%	
<b>25 – Mixed users</b>	3	0	6	0	0	2	259	0	0	0	19	0	0	0	289	0.17%	
<b>Total BWS residential accounts</b>	133,003	9	11,286	0	0	7	10,297	0	0	0	32	1	633	156	155,424	92.40%	
<b>WW Res Accts</b>	133,003	0	0	0	0	7	0	0	0	0	32	1	0	132	133,175	94.64%	
<b>30 – Commercial</b>	4,696	0	635	1	0	18	2,720	620	0	1	33	71	28	76	8,899	5.29%	
<b>40- Hotels</b>	262	0	6	0	0	0	5	0	0	1	0	0	0	0	274	0.16%	
<b>50 – Industrial</b>	464	0	87	0	0	1	19	0	0	0	0	0	2	0	573	0.34%	
<b>61 - US Military Installation</b>	11	0	13	0	0	0	13	0	0	0	2	0	1	0	40	0.02%	
<b>62 - US Non-military</b>	25	0	7	0	0	0	5	0	0	0	1	0	0	0	38	0.02%	
<b>63 - State</b>	212	0	109	0	0	165	348	0	1	0	8	0	2	3	848	0.50%	
<b>65 - City</b>	148	0	149	0	0	191	538	0	0	0	4	44	5	0	1,079	0.64%	

**Table 12**

**Board of Water Supply (BWS) and Wastewater Customer Accounts as of January 31, 2008**

	A	B	C	D	E	F	G	J	L	M	N	P	Q	S		
Customer Class	Sewer Regular Monthly Charges	Cesspool Monthly Charge (Contract)	Cesspool Per Call	Separate BWS Water Meter (domestic use)	Cesspool Chemical Treat	Agreed to Monthly Charge	Sewer No Charge	Non-residential SS surcharge	Private Water Well	Private Waste-water Meter	Private Water Meter	Minimum Monthly Charge Only	Septic System	Submetr Program	Total	Percent Accounts
<b>70 – Agriculture</b>	2	0	434	0	0	0	31	0	0	0	0	0	15	0	482	0.29%
<b>80 – Religious</b>	458	0	52	0	0	2	13	0	0	0	4	0	3	17	549	0.33%
<b>Total BWS Non-res Accts</b>	6,278	0	1,492	1	0	377	3,692	620	1	2	52	115	56	96	12,782	7.60%
<b>WW Non-res Accts</b>	6,278	0	0	1	0	377	0	620	1	2	52	115	0	93	7,539	5.36%
<b>Total BWS Accounts</b>	139,281	9	12,778	1	0	384	13,989	620	1	2	84	116	689	249	168,206	100.00%
<b>Total WW Accts</b>	139,281	0	0	1	0	384	0	620	1	2	84	116	0	381	140,714	100.00%
<b>% Total BWS Accts</b>	82.80%	0.01%	7.60%	0.00%	0.00%	0.23%	8.32%	0.37%	0.00%	0.00%	0.05%	0.07%	0.41%	0.15%	100.00%	
<b>% WW Accts</b>	98.98%	0.00%	0.00%	0.00%	0.00%	0.27%	0.00%	0.44%	0.00%	0.00%	0.06%	0.08%	0.00%	0.27%	100.00%	

**Table 13****History of New Sewer Connections by Type**

<u>Fiscal Year Ending</u>	<u>Single Family</u>	<u>Multi Family</u>		<u>Nonresidential</u>	<u>Total</u>
	New Units	New Units	ESDUs	ESDUs	ESDUs
2003	1,078	915	638	135	1,851
2004	1,437	1,519	1,063	19	2,519
2005	1,491	431	302	46	1,839
2006	1,210	1,664	1,165	2	2,377
2007	1,950	3,379	2,365	168	4,483
5 year average	1,433	1,582	1,107	74	2,614
Projected annual growth	1,200	529	370	30	1,600

**Table 14****Existing Sewer Users  
Fiscal Year Ended June 30, 2007**

<u>Customer Classification</u>	<u>Number of Living Units</u>	<u>Number Of Equivalent Single-Family Dwelling Units (ESDUs)</u>	<u>Estimated Wastewater Flow (MGD)</u>
Residential	135,275	135,275	45.993
Single family/duplex	117,415	82,231	26.343
Multi-family residences	252,690	217,506	72.336
Total residential	N/A	78,204	24.025
Nonresidential	N/A	N/A	24.111
Infiltration/Inflow	252,690	295,800	120.472
Total	135,275	135,275	45.993

**Table 15****Historic Population Growth  
Oahu, 1998 - 2007**

<u>Calendar Year</u>	<u>Resident Population</u>	<u>De facto Population*</u>
1998	886,909	931,439
1999	878,906	927,689
2000	876,156	924,940
2001	879,180	923,301
2002	885,678	929,817
2003	891,548	930,645
2004	897,969	940,827
2005	904,645	946,425
2006	909,863	951,643
2007	912,907	954,687

\* Includes visitor population.

Source: State of Hawaii, Department of Business, Economic Development & Tourism, Data Book, 2005/6.

**Table 16****Number of Equivalent Single Family Dwelling Units (ESDUs)**

<b>Fiscal Year Ending 6/30</b>	<b>Single-Family Units</b>	<b>Multifamily Units</b>	<b>Commercial ESDUs</b>	<b>Total ESDUs</b>
1998	122,723	109,740	76,563	276,965
1999	124,110	109,862	76,648	278,462
2000	125,637	109,931	76,696	280,073
2001	126,873	110,226	76,742	281,401
2002	128,109	110,521	76,788	282,729
2003	129,187	111,436	78,005	284,580
2004	130,624	112,955	78,489	287,099
2005	132,115	113,386	79,370	289,517
2006	133,325	115,050	79,956	291,315
2007	134,275	118,429	82,321	294,800

**Table 17****Wastewater Flows by Treatment Facility (MGD)<sup>1</sup>**

<b>Treatment Facility<sup>2</sup></b>	<b>Design Capacity<sup>3</sup></b>	<b>2007 Flow<sup>5</sup></b>	<b>Projected Flow (2020)</b>
Sand Island	86.10	60.483	92.60
Kahuku WWTP	0.42	0.174	0.15
Honouliuli WWTP	39.90	25.680	32.80
Waimanalo WWTP	0.74	0.585	0.62
Kuliouou WWPS (Hawaii Kai WWTP) <sup>2, 4</sup>	N/A	0.385	0.38
Wahiawa WWTP	2.63	1.774	1.89
Kailua WWTP	16.01	12.720	13.40
Waianae WWTP	5.46	3.262	3.50
Paalaa Kai WWTP	0.15	0.087	0.14
Laie WRF <sup>6</sup>	0.90	0.311	0.63

<sup>1</sup> Average day annual flow (ADAF), MGD.

<sup>2</sup> Does not include 0.385 MGD of flow from the City and County's Kuliouou WWPS which is treated by the Hawaii Kai WWTP, a private treatment facility.

<sup>3</sup> ADAF estimated based on 105% of design capacity for average dry weather flow.

<sup>4</sup> The Kuliouou WWPS does not provide treatment, but pumps wastewater from a Department Collection System to a private treatment plant (Hawaii Kai WWTP). Inclusion here is to show total volume of wastewater handled by the Department.

<sup>5</sup> Actual average daily flow during 2007 may have exceeded ADAF Design Capacity or Projected Flow due to weather conditions

<sup>6</sup> The City and County assumed operational responsibility for the Laie Water Reclamation Facility on November 1, 2006.

**Table 18**

**History of Major Wastewater Revenue Sources**

<b>Fiscal Year Ending</b>	<b>Sewer Service Charges*</b>	<b>Wastewater Facilities Charge</b>
1998	111,840,586	1,027,389
1999	111,377,449	1,665,827
2000**	121,703,000	2,279,175
2001	111,554,998	1,485,629
2002	112,147,942	1,662,009
2003	111,878,243	3,868,965
2004	111,886,155	3,145,439
2005	112,746,081	5,339,000
2006	142,167,282	8,822,000
2007	160,963,313	4,691,000***

\* Sewer service charge only - does not include connection or lateral installation charges.

\*\* Sewer service charge revenue converted to accrual accounting in Fiscal Year 2000.

\*\*\* Decline in revenue from Fiscal Year 2006 due in part to a large number of project startups in previous two years.

**Rates and Charges**

The City and County adopted the Rate Ordinance in June 2005 which provided for immediate increases in wastewater rates and future rate adjustments over the six-year period from July 1, 2005 through June 30, 2011. The City and County adopted an amendment to the Rate Ordinance in June 2007 which provides for immediate and greater increases in wastewater rates and future rate adjustments from July 1, 2007 through June 30, 2011. The schedule of rates under the Rate Ordinance is intended to allow for financial planning and projection for the Department and the City and County. Tables 19 and 20 below set forth schedules under the Rate Ordinance for residential and non-residential users, respectively.

Table 21 sets forth a schedule of Wastewater Facility Charges, effective July 1, 2005 (Ordinance No. 05-019).

**Table 19**

**Schedule of Residential Sewer Service Charges**

**Effective July 1 of:**

**Single-family and duplex dwellings served by city water system per dwelling unit per month:**

1. Monthly base charge		
	2007	\$42.71
	2008	50.40
	2009	59.47
	2010	68.39
2. Monthly usage charge – First 2,000 gallons of metered water consumed.		No charge
3. Charge per 1,000 gallons of metered water consumed over 2,000 gallons, the water consumed reduced by the water irrigation factor of 18%; provided that residential users who install and maintain a water meter for submetering nonsewer water shall not have the water consumed reduced the water irrigation factor.	2007	\$1.80
	2008	2.12
	2009	2.51
	2010	2.88

**Single-family and duplex dwellings not served by city water system per dwelling unit per month**

	2007	\$52.58
	2008	62.04
	2009	73.21
	2010	84.19

**Multiple-unit dwellings served by city water system per dwelling unit per month**

1. Monthly base charge		
	2007	\$29.91
	2008	35.30
	2009	41.65
	2010	47.90
2. Monthly usage charge—First 2,000 gallons of metered water consumed		No charge
3. Charge per 1,000 gallons of metered water consumed over 2,000 gallons, the water consumed reduced by the water irrigation factor of 18%; provided that residential users who install and maintain a water meter for submetering nonsewer water shall not have the water consumed reduced by the water irrigation factor	2007	\$1.80
	2008	2.12
	2009	2.51
	2010	2.88

	<b>Effective July 1 of:</b>	
<b>Multiple-unit dwellings not served by city water</b>	2007	\$40.48
	2008	47.76
	2009	56.36
	2010	64.81

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**Table 20**

**Schedule of Non-Residential Sewer Service Charges**

**Effective July 1 of:**

**Domestic Strength Wastewater:**

1. Metered Water Usage:

a. If 9,000 gallons or less per month:

(1) Monthly base charge:

2007	\$38.41
2008	45.33
2009	53.49
2010	61.51

(2) Charge per 1,000 gallons:

2007	\$1.95
2008	2.31
2009	2.72
2010	3.13

b. If more than 9,000 gallons per month, charge per 1,000 gallons

2007	\$6.22
2008	7.34
2009	8.66
2010	9.96

2. Metered Wastewater Discharge:

a. If 7,000 gallons or less per month:

(1) Monthly base charge:

2007	\$38.41
2008	45.33
2009	53.49
2010	61.51

(2) Charge per 1,000 gallons:

2007	\$2.50
2008	2.95
2009	3.48
2010	4.00

b. If more than 7,000 gallons per month, charge per 1,000 gallons

2007	\$7.90
2008	9.32
2009	11.00
2010	12.65

**Effective July 1 of:**

**Extra Strength Wastewater**

1. Charge per 1,000 gallons of water usage: use the following formula:	2007	\$6.22
	2008	7.34
0.857 + 0.143(SSm/200) multiplied by applicable rate	2009	8.66
	2010	9.96
2. Charge per 1,000 gallons of wastewater discharge, use the following formula:	2007	\$7.90
	2008	9.32
0.857 + 0.143(SSm/200) multiplied by applicable rate	2009	11.00
	2010	12.65

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**Table 21**

**Schedule of Wastewater Facility Charges**

- (1) Residential wastewater system facility charge per ESDU:

<b><u>Fiscal Year</u></b>	<b><u>Amount</u></b>
2006/07	\$4,923
2007/08	5,071
2008/09	5,223
2009/10	5,380
2010/11	5,541

- (2) Low-income housing wastewater system facility charges per ESDU:

<b><u>Amount</u></b>
\$1,146

- (3) Nonresidential wastewater system facility charge for domestic strength wastewater per ESDU:

<b><u>Fiscal Year</u></b>	<b><u>Amount</u></b>
2006/07	\$4,923
2007/08	5,071
2008/09	5,223
2009/10	5,380
2010/11	5,541

- (4) Nonresidential wastewater system facility charge for extra-strength wastewater per ESDU based on the following formula:

$$\text{Wastewater System Facility Charge for extra-strength wastewater} = A + ((\text{SSi}/200) \times B)$$

where SSi = the imputed suspended solids loading, in mg/L and applicable values for terms “A” and “B” are set forth as follows:

<b><u>Fiscal Year</u></b>	<b><u>Terms in Extra-Strength Surcharge Formula</u></b>	
	<b><u>A</u></b>	<b><u>B</u></b>
2006/07	4,231	692
2007/08	4,358	713
2008/09	4,489	734
2009/10	4,624	756
2010/11	4,763	778

Each fiscal year, the council shall review the wastewater system facility charge to determine if it remains appropriate or should be revised.”

## DEBT AND FINANCIAL POLICIES AND INDEBTEDNESS

### General

The City Council, by resolution adopted on November 10, 1998, established the Debt and Financial Policies for the Wastewater System to provide a general framework for the conduct of financial activities and has been in compliance with such policies since their adoption. Such debt and financial policies specify, among other things, that the City and County will target to maintain revenues (excluding Wastewater System Facility Charges) of 1.60 times senior revenue bond debt service and 1.25 times debt service for all revenue bonds, regardless of the priority of lien. It is expected that the City and County will adopt increases in the sewer service charges necessary to meet the debt service coverage requirements prescribed in its debt and financial policies. The debt and financial policies do not constitute an agreement with holders of Bonds, and the City and County has not undertaken any obligation to such holders or any other person to comply with such policies or to meet such targets.

Since establishment of these policies in November 1998, the Wastewater Enterprise has consistently met or exceeded all policy requirements.

### Indebtedness

Table 22 sets forth the outstanding revenue bonds of the City and County secured by the Net Revenues under the Bond Resolution and the Second Resolution; and Table 23 sets forth the debt service requirements for such revenue bonds after giving effect to the refunding of the Refunded Bonds.

**Table 22**

#### Outstanding Wastewater Revenue Bonds

<b><u>Bonds</u></b>	<b><u>Original Issue Amount</u></b>	<b><u>Bonds</u></b>	<b><u>Amount Outstanding as of November 30, 2007</u></b>
<b><u>Senior Bonds</u></b>		<b><u>Outstanding Senior Bonds</u></b>	
1998 Senior Bonds	\$ 55,300,000	1998 Senior Bonds	\$ 47,300,000
2001 Senior Bonds	136,020,000	2001 Senior Bonds	11,765,000
2005 Senior Bonds	152,815,000	2005 Senior Bonds	152,815,000
2006 Senior Bonds	340,760,000	2006 Senior Bonds	340,320,000
2007 Senior Bonds	171,890,000	2007 Senior Bonds	<u>171,890,000</u>
		Total	\$724,090,000
<b><u>Junior Bonds</u></b>		<b><u>Outstanding Junior Bonds</u></b>	
Junior Series 1998 Bonds <sup>1,2</sup>	\$264,152,890	Junior Series 1998 Bonds <sup>1</sup>	\$264,152,890
Junior Series 2003 Bonds <sup>2</sup>	218,400,000	Junior Series 2003 Bonds	<u>192,925,000</u>
		Total	\$457,077,890

<sup>1</sup> Used to refund certain reimbursable general obligation bonds of the City and County issued to finance the wastewater system of the City and County.

<sup>2</sup> Includes Refunded Bonds.

In addition, as of June 30, 2007, \$142,248,159 principal amount of Subordinate Obligations (other than Junior Bonds) and Reimbursable Obligations were outstanding. Subordinate Obligations include Junior Bonds and State Revolving Fund loans (which are junior in right of payment to the Junior Bonds), and do not include Reimbursable Obligations.

**Table 23****Revenue Bond Debt Service Requirements  
(Years Ending June 30)<sup>1</sup>**

Year	Series 2008 Bonds			Debt Service on Outstanding Junior Bonds <sup>2,3</sup>	Total Junior Debt Service <sup>2</sup>	Debt Service on Outstanding Senior Bonds <sup>2</sup>	Total Debt Service <sup>2</sup>
	Principal	Interest <sup>2</sup>	Total <sup>2</sup>				
2009	\$ --	\$3,288,103	\$3,288,103	\$18,371,685	\$21,659,816	\$42,280,331	\$63,940,146
2010	2,740,000	5,166,663	7,906,663	20,174,204	28,080,866	39,248,466	67,329,333
2011	2,840,000	5,069,013	7,909,013	22,925,541	30,834,554	42,374,566	73,209,120
2012	2,935,000	4,974,928	7,909,928	27,359,830	35,269,757	46,117,895	81,387,652
2013	3,030,000	4,879,413	7,909,413	28,933,069	36,842,478	49,551,259	86,393,737
2014	3,135,000	4,773,419	7,908,419	28,937,019	36,845,438	49,550,388	86,395,825
2015	3,260,000	4,647,656	7,907,656	28,939,963	36,847,619	49,550,891	86,398,509
2016	3,405,000	4,502,431	7,907,431	28,942,313	36,849,744	49,550,225	86,399,969
2017	3,560,000	4,346,669	7,906,669	28,941,581	36,848,250	49,542,363	86,390,613
2018	3,730,000	4,176,131	7,906,131	28,944,663	36,850,794	49,555,838	86,406,631
2019	3,900,000	4,009,031	7,909,031	28,950,006	36,859,038	49,588,951	86,447,989
2020	4,080,000	3,829,031	7,909,031	28,946,925	36,855,956	49,584,459	86,440,415
2021	4,290,000	3,619,781	7,909,781	28,948,425	36,858,206	49,592,874	86,451,081
2022	4,485,000	3,420,028	7,905,028	28,944,925	36,849,949	49,586,518	86,436,467
2023	4,695,000	3,210,150	7,905,150	28,947,550	36,852,700	49,587,378	86,440,078
2024	4,940,000	2,969,275	7,909,275	28,948,675	36,857,950	49,588,920	86,446,870
2025	5,190,000	2,716,025	7,906,025	28,948,738	36,854,763	49,582,731	86,437,494
2026	5,455,000	2,449,900	7,904,900	28,949,638	36,854,538	49,583,975	86,438,513
2027	5,735,000	2,170,150	7,905,150	28,950,438	36,855,588	49,587,900	86,443,488
2028	6,030,000	1,876,025	7,906,025	28,948,850	36,854,875	49,592,250	86,447,125
2029	6,330,000	1,579,513	7,909,513	28,942,588	36,852,095	49,588,269	86,440,363
2030	6,640,000	1,267,750	7,907,750	6,031,375	13,939,125	46,024,625	59,963,750
2031	6,980,000	927,250	7,907,250	6,026,750	13,934,000	46,025,719	59,959,719
2032	7,340,000	569,250	7,909,250	6,028,875	13,938,125	46,028,450	59,966,575
2033	7,715,000	192,875	7,907,875	6,027,000	13,934,875	36,856,363	50,791,238
2034	--	--	--	--	--	36,860,513	36,860,513
2035	--	--	--	--	--	36,862,513	36,862,513
2036	--	--	--	--	--	36,852,575	36,852,575
2037	--	--	--	--	--	26,429,175	26,429,175
2038	--	--	--	--	--	11,426,438	11,426,438
Total	<u>\$112,440,000</u>	<u>\$80,630,459</u>	<u>\$193,070,459</u>	<u>\$605,010,623</u>	<u>\$798,081,095</u>	<u>\$1,336,152,814</u>	<u>\$2,134,233,909</u>

<sup>1</sup> Based on payments, not on accruals.<sup>2</sup> Totals may not add due to rounding.<sup>3</sup> Excludes debt service on Refunded Bonds.

## FINANCIAL STATEMENTS

The operations of the Department are accounted for in the Sewer Fund and the Wastewater System Facility Charge Account. The Sewer Fund is classified as an enterprise fund of the City and County and is currently audited as a part of the City and County's general purpose financial statements that are prepared annually.

The financial statements of the City and County as of June 30, 2007, including information relating to the Sewer Fund, together with the auditor's report thereon delivered by Nishihama & Kishida, CPA's, Inc., may be found at the Website of the City and County at <http://www.co.honolulu.gov/budget/cafr.htm>, or may be obtained from the Department by request to the attention of the Director of Budget and Fiscal Services, City and County of Honolulu, 530 South King Street, Honolulu, Hawaii 96813. Nishihama & Kishida, CPA's, Inc. has not reviewed and has no responsibility with respect to this Official Statement.

The following tables have been extracted from audited financial statements of the City and County relating to the Department. It should be noted that "Revenues" as defined in the Bond Resolution does not include Wastewater System Facility Charges.

Table 24 summarizes revenues and expenses and Table 25 provides fund balances, both reflecting enterprise accounting and consistency with GASB 34 reporting requirements.

**Table 24**

**Department of Environmental Services  
Sewer Fund  
Enterprise Fund Statement of Revenues, Expenses and Charges in Retained Earnings (Deficit)  
(amounts in thousands)\***

	<u>2004/2005</u>	<u>2005/2006</u>	<u>2006/2007</u>
Operating Revenues:			
Sewer Service Charges	\$112,746	\$142,167	\$160,963
Other Revenue	<u>6,147</u>	<u>9,033</u>	<u>4,951</u>
Total Operating Revenues	\$118,893	\$151,200	\$165,914
Operating Expenses:			
Administrative and general	\$ 30,362	\$ 33,762	\$ 36,749
Maintenance	176	174	436
Depreciation	30,647	31,438	35,311
Contractual services	8,837	9,950	8,687
Fringe benefits	11,344	11,876	11,762
Materials and supplies	6,598	6,431	5,079
Fuel and lubricants	2,179	2,049	2,162
Utilities	<u>8,830</u>	<u>11,757</u>	<u>11,868</u>
Total Operating Expenses	\$ 98,973	\$107,437	\$112,054
Operating Income	\$ 19,920	\$ 43,763	\$ 53,860
Nonoperating Revenues (Expenses):			
Interest income	\$ 1,590	\$ 4,166	\$ 13,736
Interest expense	(27,677)	(29,556)	(44,266)
Other	<u>(4,802)</u>	<u>(3,249)</u>	<u>(1,404)</u>
Total Nonoperating Expenses	\$(30,889)	\$(28,639)	\$(31,934)
Income before operating transfers and contributed capital	\$(10,969)	\$ 15,124	\$ 21,926
Transfers In	--	--	5,139
Operating Transfers Out	(6,254)	(6,963)	(7,031)
Contributed Capital	<u>1,148</u>	<u>2,673</u>	<u>4,228</u>
Change in Net Assets	(16,075)	10,834	24,262
Net Assets at Beginning of Year, as previously reported			
Prior period adjustment			
Net Assets at Beginning of Year, as restated	\$671,657	\$655,582	\$666,416
Net Assets at End of Year	\$655,582	\$666,416	\$690,678

\* Differs from presentation in Table 10 due to the fact that information presented in this Table 24 is presented in conformance with GAAP whereas information in Table 10 is presented in accordance with definitions presented in the First Bond Resolution.

**Table 25**

**Department of Environmental Services  
Sewer Fund  
Enterprise Fund Balance Sheet  
(amounts in thousands)**

	<u>2004/2005</u>	<u>2005/2006</u>	<u>2006/2007</u>
<b>ASSETS</b>			
Current Assets:			
Cash and cash equivalents	\$ 15,525	\$ 34,350	\$ 35,361
Investments	8,362	75,343	240,484
Receivables			
Accounts	15,735	20,875	23,531
Interest	100	995	733
Due from other funds	4,169	3,967	3,928
Inventories of parts, materials and supplies at cost	4,208	3,915	6,350
Prepaid expenses	<u>0</u>	<u>0</u>	<u>2,975</u>
Total Current Assets	\$ 48,099	\$ 139,445	\$ 313,362
Fixed Assets:			
Land	5,882	6,003	6,065
Land improvements	3,675	3,675	3,510
Buildings and Improvements	436,357	449,269	709,054
Transmission and distribution system	808,051	872,543	969,641
Equipment and machinery	26,055	28,409	30,098
Construction work in progress	345,582	359,204	138,054
Accumulated depreciation	<u>(174,912)</u>	<u>(205,500)</u>	<u>(239,605)</u>
Total Assets	\$1,498,789	\$1,654,764	\$1,934,932
<b>LIABILITIES AND FUND EQUITY (DEFICIENCY)</b>			
Current Liabilities:			
Accounts payable	\$ 12,917	\$ 19,221	\$ 16,792
Due to other funds	0	27	26
Interest payable-current	11,830	18,120	23,751
Notes payable-current	5,894	6,044	8,852
Bonds payable-current	13,163	13,097	15,375
Tax-exempt commercial paper	10,022	0	0
Other current liabilities	<u>666</u>	<u>530</u>	<u>532</u>
Total Current Liabilities	\$ 54,492	\$ 57,039	\$ 65,328
Notes payable	68,230	62,294	103,894
General obligation bonds payable	38,812	29,478	21,418
Revenue bonds payable	675,817	834,459	1,048,323
Deferred credits and other liabilities	<u>5,856</u>	<u>5,079</u>	<u>5,291</u>
Total Liabilities	\$ 843,207	\$ 988,348	\$1,244,254
Commitments and Contingencies Net Assets:			
Invested in capital assets	648,889	600,603	596,298
Reserved for debt service	26,882	35,424	59,409
Unrestricted	<u>(20,189)</u>	<u>30,388</u>	<u>34,971</u>
Total net assets	\$ 655,582	\$ 666,416	\$ 690,678

The Bond Resolution requires the Department to maintain and keep proper books of account relating to the Wastewater System and in accordance with generally accepted accounting principles. The Bond Resolution also requires that within one hundred eighty (180) days after the end of each Fiscal Year the Department will cause such books of account to be audited by an independent certified public accountant. Such audit may be part of a comprehensive audit of the City and County if the Wastewater System in such audit is treated as an "enterprise fund" and the revenues and expenses of the Wastewater System are stated in a manner which permits identification by category of the sources and uses of the Revenues.

## PENDING LITIGATION

In the normal course of business, claims and lawsuits are filed against the City and County and the Department and their respective officers and employees. The City and County and the Department generally are self-insured with respect to general liability claims. In the Fiscal Years ended June 30, 2005, 2006 and 2007, the Department reached settlements of lawsuits and claims paid with general funds totaling \$68,088, \$1,996,445 and \$182,326, respectively. The Fiscal Year ended June 30, 2007 included a judgment in the amount of \$145,491. Except as set forth below, the City and County's Corporation Counsel is of the opinion that no pending litigation will be determined so as to result individually or in the aggregate in a final judgment against the Department which would constitute a material impairment of the Department's financial position.

A lawsuit filed by the EPA and DOH against the City and County in 1994 resulted in a consent decree which requires the City and County, among other things, to comply with the Clean Water Act, to establish a schedule under which the City and County will implement preventive maintenance and sewer replacement and rehabilitation necessary to reduce and prevent spills, to implement and enforce its pretreatment program to regulate industrial discharges, and to develop and implement an effluent and sludge reuse program. The court has retained continuing jurisdiction over implementation of the consent decree. Pursuant to the consent decree, the City and County has established and is currently implementing a \$3.7 billion, 20-year capital improvement plan (Fiscal Year 1998 to Fiscal Year 2017) to upgrade its wastewater collection and treatment system.

In July 2004, the Sierra Club and other environmental groups filed a lawsuit against the City and County seeking injunctive relief and penalties for alleged Clean Water Act violations arising from the City and County's wastewater collection and treatment system. Of the plaintiffs' original twelve claims, three claims were dismissed by the court and the plaintiffs agreed to dismiss three more. The City and County filed a motion to dismiss an additional two claims, which is scheduled to be heard on April 28, 2008. The plaintiffs filed a motion for summary judgment with respect to three other claims, which the court granted in part and denied in part in October 2007. The court's decision did not address the amount of penalties, if any, that would be assessed against the City and County. The outcome of this litigation cannot be predicted at this stage of the proceedings, and any potential liability in this litigation beyond the costs of the 20-year wastewater system capital improvement plan is speculative.

As a result of a March 2006 sewer spill and after one year of negotiations, the EPA, DOJ, DOH and the City and County signed a stipulated order that requires the City and County to take certain actions to evaluate, repair, rehabilitate or replace certain force mains and one pump station in its wastewater collection system, and develop site-specific spill contingency plans. This stipulated order, which has been accepted by the court, resolves the entire civil enforcement action that was simultaneously filed with the stipulated order against the City and County with respect to the spill. The estimated cost of the work in the stipulated order is approximately \$300 million.

In March 2007, the EPA issued a tentative decision to deny an application for a renewed variance from secondary treatment for the Honouliuli wastewater treatment plant. In December 2007, the EPA issued a similar decision with respect to the Sand Island wastewater treatment plant. The EPA's final decisions may come before the end of 2008. The City and County is vigorously challenging these tentative decisions. If the City and County's applications are denied, the cost of secondary treatment at Honouliuli and Sand Island is estimated to be \$400 million and \$800 million, respectively, in project costs.

The Corporation Counsel reports that there is no controversy or litigation now pending or, to the best of the City and County's and the Department's knowledge, threatened, which seeks to restrain or enjoin the execution, issuance, sale or delivery of the Series 2008 Bonds or that in any way contests the validity of the Series 2008 Bonds; or any proceedings of the City and County taken with respect to the authorization, sale, or issuance of the Series 2008 Bonds, the pledge or application of any moneys provided for the payment of or security for the Series 2008 Bonds.

## RATINGS

Fitch, Inc., Moody's Investors Service and Standard & Poor's Ratings Group, a division of the McGraw Hill Companies, Inc., are expected to assign ratings of "AAA," "Aaa" and "AAA," respectively, to the

Series 2008 Bonds with the understanding that upon delivery of the Series 2008 Bonds the Policy insuring the payment of the principal of and interest on the Series 2008 Bonds will be issued by the Insurer. Such ratings reflect only the respective views of such organizations, and an explanation of the significance of such ratings may be obtained from the rating agency furnishing the same, at the following addresses: Fitch, Inc., One State Street Plaza, New York, New York 10004, Moody's Investors Service, Inc., 99 Church Street, New York, New York 10007 and Standard & Poor's Ratings Group, 55 Water Street, New York, New York 10041. There is no assurance that such ratings will continue for any given period of time or that they will not be revised or withdrawn entirely by such rating agencies, if in the judgment of such rating agencies, circumstances so warrant. Any such downward revision or withdrawal of such ratings may have an effect on the market price of the Series 2008 Bonds.

## UNDERWRITING

The Series 2008 Bonds are being purchased for reoffering by UBS Securities LLC, as Underwriter. The Underwriter has agreed to purchase the Series 2008 Bonds at an aggregate purchase price of \$115,818,578.37, being an amount equal to the principal amount of the Series 2008 Bonds, less a plus net original issue premium of \$4,236,207.50 and less an underwriting discount of \$857,629.13. The contract of purchase with respect to the Series 2008 Bonds provides that the Underwriter will purchase all the Series 2008 Bonds if any are purchased. The initial public offering prices are set forth on the inside cover page of this Official Statement. The Underwriter may offer and sell the Series 2008 Bonds to certain dealers (including depositing the Series 2008 Bonds into investment trusts) and others at prices lower than the initial public offering prices stated on the cover page hereof. The public offering prices may be changed from time to time by the Underwriters.

## TAX MATTERS

In the opinion of Orrick, Herrington & Sutcliffe LLP, Bond Counsel to the City and County, based upon an analysis of existing laws, regulations, rulings, and court decisions, and assuming, among other matters, the accuracy of certain representations and compliance with certain covenants, interest on the Series 2008 Bonds is excluded from gross income for federal income tax purposes under Section 103 of the Internal Revenue Code of 1986 (the "Code"), and the Series 2008 Bonds and the income therefrom are exempt from all taxation by the State or any county or other political subdivision thereof, except inheritance, transfer, estate and certain franchise taxes. Bond Counsel is of the further opinion that interest on the Series 2008 Bonds is not a specific preference item for purposes of the federal individual or corporate alternative minimum taxes, although Bond Counsel observes that such interest is included in adjusted current earnings when calculating corporate alternative minimum taxable income. A complete copy of the proposed form of the opinion of Bond Counsel for the Series 2008 Bonds is set forth in Appendix C hereto.

To the extent the issue price of any maturity of the Series 2008 Bonds is less than the amount to be paid at maturity of such Series 2008 Bonds (excluding amounts stated to be interest and payable at least annually over the term of such Series 2008 Bonds), the difference constitutes "original issue discount," the accrual of which, to the extent properly allocable to each owner thereof, is treated as interest on the Series 2008 Bonds which is excluded from gross income for federal income tax purposes and State tax purposes. For this purpose, the issue price of a particular maturity of the Series 2008 Bonds is the first price at which a substantial amount of such maturity of the Series 2008 Bonds is sold to the public (excluding bond houses, brokers, or similar persons or organizations acting in the capacity of underwriters, placement agents or wholesalers). The original issue discount with respect to any maturity of the Series 2008 Bonds accrues daily over the term to maturity of such Series 2008 Bonds on the basis of a constant interest rate compounded semiannually (with straight-line interpolations between compounding dates). The accruing original issue discount is added to the adjusted basis of such Series 2008 Bonds to determine taxable gain or loss upon disposition (including sale, redemption, or payment on maturity) of such Series 2008 Bonds. Owners of the Series 2008 Bonds should consult their own tax advisors with respect to the tax consequences of ownership of the Series 2008 Bonds with original issue discount, including the treatment of purchasers who do not purchase such Series 2008 Bonds in the original offering to the public at the first price at which a substantial amount of such Series 2008 Bonds is sold to the public.

Series 2008 Bonds purchased, whether at original issuance or otherwise, for an amount greater than their principal amount payable at maturity (or, in some cases, at their earlier call date) ("Premium Bonds") will be treated as having amortizable bond premium. No deduction is allowable for the amortizable bond premium in the

case of bonds, like the Premium Bonds, the interest on which is excluded from gross income for federal income tax purposes. However, the amount of tax-exempt interest received, and a purchaser's basis in a Premium Bond, will be reduced by the amount of amortizable bond premium allocable to such purchaser. Owners of Premium Bonds should consult their own tax advisors with respect to the proper treatment of amortizable bond premium in their particular circumstances.

The Code imposes various restrictions, conditions and requirements relating to the exclusion from gross income for federal income tax purposes of interest on obligations such as the Series 2008 Bonds. The City and County has made certain representations and covenanted to comply with certain restrictions designed to insure that interest on the Series 2008 Bonds will not be included in federal gross income. Inaccuracy of these representations or failure to comply with these covenants may result in interest on the Series 2008 Bonds being included in gross income for federal income tax purposes, possibly from the date of original issuance of the Series 2008 Bonds. The opinion of Bond Counsel assumes the accuracy of these representations and compliance with these covenants. Bond Counsel has not undertaken to determine (or to inform any person) whether any actions taken (or not taken) or events occurring (or not occurring) or any other matters coming to Bond Counsel's attention after the date of issuance of the Series 2008 Bonds may adversely affect the value of, or the tax status of interest on, the Series 2008 Bonds. Accordingly, the opinion of Bond Counsel is not intended to, and may not, be relied upon in connection with any such actions, events or matters.

Although Bond Counsel is of the opinion that interest on the Series 2008 Bonds is excluded from gross income for federal income tax purposes and that the Series 2008 Bonds and the income therefrom are exempt from taxation by the State or any political subdivision thereof, except inheritance, transfer, estate and certain franchise taxes, the ownership or disposition of, or the accrual or receipt of interest on, the Series 2008 Bonds may otherwise affect a Bondholder's federal or state tax liability. The nature and extent of these other tax consequences will depend upon the particular tax status of the Bondholder or the Bondholder's other items of income or deduction. Bond Counsel expresses no opinion regarding any such other tax consequences.

Future legislative proposals, if enacted into law, clarification of the Code or court decisions may cause interest on the Series 2008 Bonds to be subject, directly or indirectly, to federal income taxation, or otherwise prevent Bondholders from realizing the full current benefit of the tax status of such interest. The introduction or enactment of any such future legislative proposals or clarification of the Code or court decisions may also affect the market price for, or marketability of, the Series 2008 Bonds. Prospective purchasers of the Series 2008 Bonds should consult their own tax advisers regarding any pending or proposed federal tax legislation, as to which Bond Counsel expresses no opinion.

On November 5, 2007, the United States Supreme Court heard an appeal in the case of *Kentucky v. Davis*, in which a Kentucky state court had ruled that the United States Constitution prohibited the state from providing a tax exemption for interest on bonds issued by Kentucky and its political subdivisions but taxing interest on obligations issued by other states and their political subdivisions. Hawaii law is similar to Kentucky in taxing interest on out-of-state bonds. A ruling by the Supreme Court against the Kentucky law would not change the exemption of the Series 2008 Bonds from all taxation by the State of Hawaii or any county or other political subdivision thereof, except inheritance, transfer, estate and certain franchise taxes, but the value of the Series 2008 Bonds may be adversely affected by changes in the demand for Hawaii-origin bonds. There can be no assurance as to the outcome of the *Davis* case, the potential impact on market price or marketability of the Series 2008 Bonds which may result from a decision, or the likelihood of any future action by Congress on this subject.

The opinion of Bond Counsel is based on current legal authority, covers certain matters not directly addressed by such authorities, and represents Bond Counsel's judgment as to the proper treatment of the Series 2008 Bonds for federal income tax purposes. It is not binding on the Internal Revenue Service ("IRS") or the courts. Furthermore, Bond Counsel cannot give and has not given any opinion or assurance about the future activities of the City and County, or about the effect of future changes in the Code, the applicable regulations, the interpretation thereof or the enforcement thereof by the IRS. The City and County has covenanted, however, to comply with the requirements of the Code.

Bond Counsel's engagement with respect to the Series 2008 Bonds ends with the issuance of the Series 2008 Bonds, and, unless separately engaged, Bond Counsel is not obligated to defend the City and County or

the Bondholders regarding the tax-exempt status of the Series 2008 Bonds in the event of an audit examination by the IRS. Under current procedures, parties other than the City and County and its appointed counsel, including the Bondholders, would have little, if any, right to participate in the audit examination process. Moreover, because achieving judicial review in connection with an audit examination of tax-exempt bonds is difficult, obtaining an independent review of IRS positions with which the City and County legitimately disagrees, may not be practicable. Any action of the IRS, including but not limited to selection of the Series 2008 Bonds for audit, or the course or result of such audit, or an audit of bonds presenting similar tax issues may affect the market price for, or the marketability of, the Series 2008 Bonds, and may cause the City and County or the Bondholders to incur significant expense.

### **APPROVAL OF LEGAL PROCEEDINGS**

The validity of the Series 2008 Bonds and certain other legal matters are subject to the approving opinion of Orrick, Herrington & Sutcliffe LLP, Bond Counsel to the City and County. A complete copy of the proposed form of Bond Counsel opinion is contained in Appendix C hereto. Bond Counsel undertakes no responsibility for the accuracy, completeness or fairness of this Official Statement. Certain legal matters will be passed upon for the Underwriters by their counsel, McCorriston Miller Mukai MacKinnon LLP, Honolulu, Hawaii.

### **VERIFICATION OF MATHEMATICAL COMPUTATIONS**

In connection with the issuance of the Series 2008 Bonds and the refunding of the Refunded Bonds, the firm of Grant Thornton LLP, independent certified public accountants, will verify the mathematical accuracy of certain computations demonstrating the sufficiency of the proceeds deposited from the sale of the Series 2008 Bonds to pay the principal or redemption price of and interest on all Refunded Bonds, when due. Such verification will be based in part on schedules and information provided by the Underwriter with respect to the foregoing computations.

### **CONTINUING DISCLOSURE**

In order to assist the Underwriters in complying with Rule 15c2-12 promulgated by the Securities and Exchange Commission (“Rule 15c2-12”), the City and County will undertake in a Master Continuing Disclosure Certificate of the City and County, as supplemented, constituting a written agreement for the benefit of the holders of the Series 2008 Bonds (the “Continuing Disclosure Certificate”), to provide to each Nationally Recognized Municipal Securities Information Repository (as referred to in Rule 15c2-12) and others, on an annual basis, certain financial and operating data concerning the Department, financial statements, notice of certain events if material, and certain other notices, all as described in the Continuing Disclosure Certificate. The undertaking is an obligation of the Department that is enforceable as described in the Continuing Disclosure Certificate. Beneficial Owners of the Series 2008 Bonds are third party beneficiaries of the Continuing Disclosure Certificate. The execution of the Continuing Disclosure Certificate is a condition precedent to the obligation of the Underwriters to purchase the Series 2008 Bonds. The form of the Master Continuing Disclosure Certificate and the proposed form of the Series Certificate for the Series 2008 Bonds are contained in Appendix C. The City and County has never failed to comply with any previous undertaking under Rule 15c2-12.

### **MISCELLANEOUS**

Additional information may be obtained, upon request, from either the Department of Budget and Fiscal Services or the Department of Environmental Services of the City and County.

Reference in this Official Statement to the Act, the City Charter, the Bond Resolution, the Series 2008 Resolution and the Series 2008 Certificate do not purport to be complete. Refer to the Act, the City Charter, the Bond Resolution, the Series 2008 Resolutions and the Series 2008 Certificate for full and complete details of their provisions. Copies of the City Charter, the Bond Resolution and the Series 2008 Resolution are on file with the City Clerk of the City and County.

The agreements of the City and County with holders of the Series 2008 Bonds are fully set forth in the Bond Resolution and the Series 2008 Resolution. Neither any advertisement of the Series 2008 Bonds nor this Official Statement is to be construed as a contract with purchasers of the Series 2008 Bonds.

Any statements in this Official Statement involving matters of opinion or of estimates, whether or not expressly stated, are intended merely as expressions of opinion or estimates, and not as representations of fact, and no representation is made that any of the estimates will be realized.

The City and County's use of certain information included in this Official Statement has been furnished or reviewed and authorized by the sources described below. While the City and County believes that these sources are reliable, the City and County has not independently verified this information and does not guarantee the accuracy or completeness of the information furnished by the respective sources. The City and County is relying on certificates from certain sources, to be delivered at or prior to the time of delivery of the Series 2008 Bonds, as to the accuracy of such information provided or authorized by such sources.

The information regarding DTC and DTC's book-entry system has been furnished by DTC.

Extracts of the financial statements of the City and County as of June 30, 2007, relating to the Sewer Fund, together with the auditor's report thereon, may be found at <http://www.co.honolulu.hi.us/budget/cafr.htm>.

The execution and delivery of this Official Statement by the Director of Environmental Services and the Director of Budget and Fiscal Services have been duly authorized by the City and County.

/s/ Mary Patricia Waterhouse  
Director of Budget and Fiscal Services  
City and County of Honolulu

/s/ Dr. Eric S. Takamura  
Director of Environmental Services  
City and County of Honolulu

**Appendix A**

**Summary of Certain Provisions of the Bond Resolution**

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## Appendix A

### Summary of Certain Provisions of the Bond Resolution

The Bond Resolution contains terms and conditions relating to the issuance of Bonds, including various covenants and security provisions, certain of which are summarized below. This summary does not purport to be comprehensive or definitive and is subject to all of the provisions of the Bond Resolution, to which reference is hereby made. Copies of the Bond Resolution are available from the City and County.

#### Certain Definitions

Certain definitions contained in the Bond Resolution are summarized below. This summary does not purport to be comprehensive or definitive, and is subject to all provisions of the Bond Resolution, to which reference is hereby made. Copies of the Bond Resolution are available from the Department of Budget and Fiscal Services or the Department of Environmental Services of the City and County.

*“Accrued Debt Service”* means as of any date of computation and with respect to the Bonds of any Series, an amount equal to the sum of: (i) interest on such Bonds accrued and unpaid and to accrue to the end of the then current calendar month, and (ii) principal, Sinking Fund Installment and redemption premium which are due and unpaid for such Bonds and that portion of the principal, unsatisfied balance of any Sinking Fund Installment (as determined in accordance with the Bond Resolution) and redemption premium for such Bonds next due which would have accrued to the end of such calendar month if deemed to accrue monthly from a date one year prior to its due date.

*“Act”* means Chapter 49, Hawaii Revised Statutes, and all laws amendatory or supplemental thereto.

*“Aggregate Debt Service”* means, for any period and as of any date of computation, the sum of the amounts of Debt Service for such period with respect to all Series of Bonds.

*“Assumed Long-Term Fixed Rate”* means, with respect to Variable Rate Bonds, (i) a numerical rate of interest that such Bonds would have borne if issued as Fixed Rate Bonds with the same maturity and taking into account Sinking Fund Installments; or (ii) if the City and County has in connection with such Variable Rate Bonds entered into an Interest Rate Exchange Agreement which provides that the City and County is to pay to another person an amount determined based upon a fixed rate of interest on a notional amount and which requires the Counterparty to pay to the City and County an amount equal to the amount by which interest on the notional amount stated therein at the rate borne by such Variable Rate Bonds exceeds the interest payable on such notional amount at a rate stated therein, the fixed rate or other rate of interest set forth in or determined in accordance with such agreement. With respect to the Bonds described in clause (i) of the preceding sentence, an Authorized Officer is to certify or cause the Remarketing Agent for such Series of Variable Rate Bonds or other qualified person to certify such Assumed Long-Term Fixed Rate on the issue date of such Bonds, taking into account such market factors as such Authorized Officer or such Remarketing Agent or such qualified person deems necessary or appropriate.

*“Authorized Officer”* means the Director of Budget and Fiscal Services, any Deputy Director of Budget and Fiscal Services, the Director of Environmental Services or any other officer of the City and County designated by resolution of the City Council.

*“Bond Anticipation Notes”* means bond anticipation notes which the City and County may issue for purposes of the Wastewater System if the requirements set forth in the Bond Resolution for such issuance are satisfied.

*“Bond Counsel”* means an attorney or a firm of attorneys of nationally recognized standing in the field of law relating to municipal bonds selected by the City and County.

*“Bondholder”* or *“holder of a Bond”* or *“Holder”* means the registered owner of any Bond which at the time is registered other than to bearer, or such holders’ duly authorized attorney in fact, representative or assigns.

“*Capital Appreciation Bond*” means any Bond as to which interest is compounded on each Valuation Date therefor and is payable only at the maturity or prior redemption thereof.

“*City Charter*” means the 1973 Revised Charter of the City and County of Honolulu (1994 Edition), as the same may be amended from time to time.

“*City Code*” means the Revised Ordinances of Honolulu 1990, as the same may be amended from time to time.

“*City Council*” mean the City Council of the City and County.

“*Code*” means the Internal Revenue Code of 1986, as amended, and any successor statutes thereto, and any applicable regulations thereunder.

“*Common Reserve Subaccount Requirement*” means as of any date of computation, an amount equal to the greatest amount of Aggregate Debt Service for the then current or any future Fiscal Year on all Outstanding Bonds entitled to the benefit of the Common Reserve Subaccount; provided however, that if upon issuance of a Series of Bonds entitled to the benefit of the Common Reserve Subaccount, such amount would require moneys to be credited to the Common Reserve Subaccount from such Bond proceeds in an amount in excess of the maximum amount permitted under the Code, the Common Reserve Subaccount Requirement will mean an amount equal to the sum of the Common Reserve Subaccount Requirement immediately preceding issuance of such Bonds and the maximum amount permitted under the Code to be deposited therein from the proceeds of such Bonds, as certified by an Authorized Officer; provided further, however, that for purposes of this definition, Aggregate Debt Service is to be computed with respect to each Variable Rate Bond entitled to the benefit of the Common Reserve Subaccount by using the Assumed Long-Term Fixed Rate applicable thereto.

“*Consulting Engineer*” means the engineer or engineering firm or corporation retained from time to time pursuant to the Bond Resolution to perform the acts and carry out the duties provided for such Consulting Engineer in the Bond Resolution.

“*Costs*” means all costs of any Improvement and include, but are not be limited to, all costs and estimated costs of the issuance of the Bonds, all architectural, engineering, inspection, financial and legal expenses, the cost of causing the payment of the principal or interest or both of the Bonds to be insured or guaranteed, the initial cost of any Support Facility or Interest Rate Exchange Agreement obtained or permitted by the Act, and interest which it is estimated will accrue during the construction of any Improvements and for six (6) months thereafter.

“*Debt Service*” means, as of any particular date of computation, with respect to any Bonds and with respect to any period, the aggregate of the amounts to be paid or set aside in such period for the payment (or retirement) of the principal and Redemption Price (if any) of, and interest on, such Bonds; provided, however, that the term “Debt Service” does not include interest on Bonds to the extent it is to be paid from amounts on credit to a Series Improvement Interest Subaccount, amounts on credit to the Debt Service Subaccount or any other provisions made for the payment of interest.

“*Department*” means the Department of Environmental Services of the City and County as established by the City Charter, or the successor thereto.

“*Depository*” means any bank, national banking association or trust company selected and appointed by an Authorized Officer in accordance with the Bond Resolution as a depository of moneys and Investment Securities held under the provisions of the Bond Resolution.

“*Depository*” means The Depository Trust Company, New York, New York, or its nominee, or any other person, firm, association or corporation designated in the Series Resolution authorizing a Series of Bonds or a Series Certificate relating to such Series of Bonds to serve as securities depository for the Bonds of such Series.

*“Director of Budget and Fiscal Services”* means the Director of Budget and Fiscal Services of the City and County appointed pursuant to and having the powers as set forth in the Act and the City Charter, or any successor.

*“Director of Environmental Services”* means the Director of the Department of Environmental Services of the City and County appointed pursuant to and having the powers as set forth in the Act and the City Charter, or any successor.

*“Exempt Obligation”* means an obligation of any state or territory of the United States of America, any political subdivision of any state or territory of the United States of America, or any agency, authority, public benefit corporation or instrumentality of such state, territory or political subdivision, the interest on which is excludable from gross income under Section 103 of the Code, and which at the time an investment therein is made or such obligation is deposited in any fund or account under the Bond Resolution, is rated, without regard to qualification of such rating by symbols such as “+” or “-” or numerical notation, “Aa” or better by Moody’s and “AA” or better by S&P, or, if such obligation is not rated by Moody’s or S&P, or, if such obligation is rated by neither Moody’s nor S&P, has been assigned a comparable rating by another nationally recognized rating service, but in no event rated lower than the lowest rating on Outstanding Bonds assigned by Moody’s or S&P.

*“First Resolution Obligations”* means bonds, notes and other evidence of indebtedness issued under and pursuant to the First Bond Resolution.

*“Fiscal Year”* means the 12 month period established by the City and County or provided by law from time to time as its fiscal year, and which, as of the date of adoption of the Bond Resolution, is the 12-month period commencing on July 1 of any year and ending on June 30 of the following year.

*“Government Obligation”* means a direct obligation of the United States of America, an obligation the principal of, and interest on, which are guaranteed by the United States of America, provided, that the full faith and credit of the United States of America is pledged to any such direct obligation or guarantee.

*“Improvements”* means the acquisition, purchase, construction, reconstruction, improvement, betterment or extension of the Wastewater System.

*“Interest Rate Exchange Agreement”* means an agreement entered into by the City and County relating to Bonds of one or more Series which provides that during the term of such agreement the City and County is to pay to the Counterparty an amount based on the interest accruing at a fixed or variable rate per annum on a notional amount and that the Counterparty is to pay to the City and County either (i) an amount based on the interest accruing on such notional amount at a fixed, capped or variable rate per annum, in each case computed according to a formula set forth in such agreement, or that one will pay to the other any net amount due under such agreement, or (ii) an amount based on the amount by which the rate per annum at which such Bonds bear interest exceeds a rate per annum stated in such agreement.

*“Investment Agreement”* means an agreement for the investment of moneys with a Qualified Financial Institution.

*“Investment Securities”* means any of the following, if and to the extent that the same are legal for the investment of funds of the Department:

- (i) Government Obligations;
- (ii) Investment Agreements;
- (iii) Direct obligations and fully guaranteed certificates of beneficial interest of the Export-Import Bank of the United States; consolidated debt obligations and letter of credit-backed issues of the Federal Home Loan Banks; participation certificates and senior debt obligations of the Federal Home Loan Mortgage Corporation (“FHLMCs”); debentures of the Federal Housing Administration; mortgage-backed securities (except stripped mortgage securities which are valued

greater than par on the portion of unpaid principal) and senior debt obligations of Fannie Mae (“FNMA’s”); participation certificates of the General Services Administration; guaranteed mortgage-backed securities and guaranteed participation certificates of the Government National Mortgage Association (“GNMA’s”); guaranteed participation certificates and guaranteed pool certificates of the Small Business Administration; debt obligations and letter of credit-backed issues of the Student Loan Marketing Association; local authority bonds of the U.S. Department of Housing & Urban Development; guaranteed Title XI financings of the U.S. Maritime Administration; guaranteed transit bonds of the Washington Metropolitan Area Transit Authority; Resolution Funding Corporation securities.

(iv) direct obligations of any state or territory of the United States of America or any subdivision or agency thereof whose unsecured, uninsured and unguaranteed general obligation debt is rated, at the time of purchase, “Aa” or better by Moody’s and “AA” or better by S&P, or any obligation fully and unconditionally guaranteed by any state, subdivision or agency whose unsecured, uninsured and unguaranteed general obligation debt is rated, at the time of purchase, “Aa” or better by Moody’s and “AA” or better by S&P;

(v) commercial paper (having original maturities of not more than 270 days) rated, at the time of purchase, “P-1” by Moody’s and “A-1” or better by S&P;

(vi) Federal funds, unsecured certificates of deposit, time deposits or bankers acceptances (in each case having maturities of not more than 365 days) of any domestic bank including a branch office of a foreign bank which branch office is located in the United States, provided legal opinions are received to the effect that full and timely payment of such deposit or similar obligation is enforceable against the principal office or any branch of such bank, which, at the time of purchase, has a short-term “Bank Deposit” rating of “P-1” by Moody’s and a “Short-Term CD” rating of “A-1” or better by S&P.

(vii) deposits of any bank or savings and loan association which has combined capital, surplus and undivided profits of not less than \$3 million, provided such deposits are continuously and fully insured by the Bank Insurance Fund or the Savings Association Insurance Fund of the Federal Deposit Insurance Corporation (“FDIC”);

(viii) investments in money-market funds rated “Aaa” by Moody’s, and “AAAm” or “AAAm-G” by S&P;

(ix) repurchase agreements collateralized by Government Obligations, GNMA’s, FNMA’s or FHLMA’s with any registered broker/dealer subject to the Securities Investors’ Protection Corporation jurisdiction or any commercial bank insured by the FDIC, if such broker/dealer or bank has an uninsured, unsecured and unguaranteed obligation rated in the top two rating tiers by Moody’s, and “AA-1” or “AA-” or better by S&P, provided:

(a) a master repurchase agreement or specific written repurchase agreement governs the transaction; and

(b) the securities are held free and clear of any lien by the Depository or an independent third party acting solely as agent (“Agent”) for the Depository, and such third party is (i) a Federal Reserve Bank, or (ii) a bank which is a member of the Federal Deposit Insurance Corporation and which has combined capital, surplus and undivided profits of not less than \$50 million, and the Depository has received written confirmation from such third party that it holds such securities, free and clear of any lien, as agent for the Depository; and

(c) a perfected first security interest under the Uniform Commercial Code, or book entry procedures prescribed at 31 C.F.R. 306.1 et seq. or 31 C.F.R. 350.0 et seq. in such securities is created for the benefit of the Depository; and

(d) the repurchase agreement has a term of 3 years or less, and the Depository or the Agent will value the collateral securities no less frequently than weekly and will liquidate the collateral securities if any deficiency in the required collateral percentage is not restored within two business days of such valuation; and

(e) the fair market value of the securities in relation to the amount of the repurchase obligation, including principal and interest, is equal to at least 100%;

(x) investments in any mutual fund whose portfolio is limited to Government Obligations and the investments described in clause (ii) of Investment Securities; and

(xi) student loan resource securities including student loan auction rate securities, student loan asset-backed notes, student loan program revenue notes and bonds, and securities issued pursuant to Rule 144A of the Securities Act of 1933, including any private placement issues, issued with either bond insurance or overcollateralization guaranteed by the United States Department of Education, provided all insurers maintain an “Aaa” by Moody’s, “AAA” by S&P or equivalent rating by other rating agencies.

“*Moody’s*” means Moody’s Investors Service, Inc., its successors and their assigns, and, if such corporation for any reason no longer performs the functions of a securities rating agency, “Moody’s” is deemed to refer to any other nationally recognized rating agency, if any, designated by the Director of Budget and Fiscal Services.

“*Net Revenue Requirement*” means, with respect to any Fiscal Year or any period, an amount equal to the greater of: (i) the sum of (a) the Aggregate Debt Service under the First Bond Resolution and the Aggregate Debt Service in such Fiscal Year or such period, and (b) the Required Deposits for such Fiscal Year or such period; or (ii) 1.10 times the Aggregate Debt Service (as defined in the First Bond Resolution) under the First Bond Resolution and 1.10 times the Aggregate Debt Service in such Fiscal Year or such period, plus 1.00 times the aggregate Support Facility Reimbursement Obligations outstanding as of the end of such Fiscal Year or such period.

“*Net Revenues*” means, with respect to any period, the Revenues during such period less amounts required to pay Operation and Maintenance Expenses.

“*Operation and Maintenance Expenses*” means the costs and expenses of operating and maintaining the Wastewater System, including, without limiting the generality of the foregoing, (i) all expenses includable in the operation and maintenance expense accounts of the Department relating to the Wastewater System according to generally accepted accounting principles, exclusive of depreciation and amortization of property values or losses, (ii) to the extent not included in the preceding clause (i) or paid from Bond proceeds or otherwise, the Department’s share of the costs and expenses of operating and maintaining any plants and properties jointly owned with others, and (iii) the amounts, if any, payable to the United States Treasury Department pursuant to Section 148 of the Code.

“*Opinion of Counsel*” means with respect to the City and County a written opinion of counsel selected by the Director of Budget and Fiscal Services who is not an employee of the City and County, and which, with respect to Federal income tax law and securities law relating to obligations issued by state and local governmental units, is Bond Counsel. Any Opinion of Counsel may be based (insofar as it relates to factual matters or information which is in the possession of the City and County) upon a written certificate of the City and County unless such counsel knows, or in the exercise of reasonable care should have known, that such written certificate is erroneous.

“*Outstanding*” or “*outstanding*” when used with reference to Bonds means, as of any date, Bonds theretofore or thereupon issued pursuant to the Bond Resolution, except: (a) any Bonds canceled by a Paying Agent or paid at or prior to such date; (b) Bonds in lieu of or in substitution for which other Bonds have been delivered

pursuant to the Bond Resolution; (c) Bonds deemed to be no longer outstanding under the Bond Resolution as provided in the Bond Resolution and (d) Option Bonds tendered or deemed tendered in accordance with the provisions of the Series Resolution or the Series Certificate relating to such Bonds.

*“Parity Support Facility Reimbursement Obligation”* means the obligation of the City and County described in the Bond Resolution to directly reimburse the Support Facility Provider of any Support Facility for amounts paid by such Support Facility Provider under such Support Facility or a Counterparty under an Interest Rate Exchange Agreement for amounts paid thereunder, on a parity with the obligation of the City and County to pay the Bonds, whether or not such obligation to reimburse is evidenced by a promissory note or other similar instrument.

*“Paying Agent”* means, as to Bonds of any particular Series, the Director of Budget and Fiscal Services or the bank or trust company designated for the payment of the principal and Redemption Price, if any of, and interest on, the Bonds of such Series in the Series Resolution authorizing the issuance of such Series or the Series Certificate relating to such Series.

*“Record Date”* means, with respect to any Series of Bonds, (i) with respect to the payment of interest, the 15th day (whether or not a Business Day) of the month preceding an interest payment date; (ii) with respect to notice of redemption, the 45th day (whether or not a Business Day) preceding the date of redemption; or (iii) such other day as may be provided in the Series Resolution authorizing the issuance of such Series or the Series Certificate relating to such Series.

*“Refunded Municipal Obligations”* means Exempt Obligations which are rated in the highest rating category by Moody’s and S&P and provision for the payment of the principal of and interest on which has been made by an irrevocable deposit with a trustee or escrow agent of Governmental Obligations, which are held by a bank or trust company organized and existing under the laws of the United States of America or any state, the District of Columbia or possession thereof in the capacity as custodian, the maturing principal of and interest on which Government Obligations will be sufficient to pay, when due, the principal of and interest on such Exempt Obligations.

*“Reimbursable Obligations”* means reimbursable general obligation bonds issued and delivered or to be issued and delivered by the City and County to finance certain costs related to the Wastewater System, the debt service on which the Department is required by State law to reimburse the City and County’s General Fund.

*“Reimbursable Obligation Requirement”* means, with respect to any period of time, the amount required to be credited to the Reimbursable Obligation Account pursuant to the ordinances and resolutions of the City Council authorizing the issuance and delivery of Reimbursable Obligations.

*“Required Deposits”* means, for any period, (i) the Required Deposits under the First Bond Resolution exclusive of transfers from the Sewer Fund to the Subordinate Obligation Account; and (ii) the amounts, if any, required: (a) to be paid into the Rebate Subaccount, the Common Reserve Subaccount, each Separate Series Reserve Subaccount, and the Third Lien Obligation Subaccount, and (b) to pay Support Facility Reimbursement Obligations.

*“Required Deposits under the First Bond Resolution”* means, for any period, amounts required, if any, to be paid into the Common Reserve Subaccount, each Separate Reserve Subaccount, the Third Lien Obligation Account and Reimbursable Obligation Account under the First Bond Resolution; and to pay Support Facility Reimbursement Obligations under the First Bond Resolution.

*“Revenue Bond Index”* means the 30 year Revenue Bond Index of *The Bond Buyer*, a publication in New York, New York, or any successor publication maintaining such Index or in the event *The Bond Buyer* or any successor publication does not maintain such Index, an equivalent index with the same or similar components as the Revenue Bond Index.

*“Revenues”* means (i) the Revenues under the First Bond Resolution; (ii) all income from investments of moneys held under the Resolution including investment income on the Improvement Second Account created by the Resolution but not including any earnings on the Rebate Subaccount or Third Lien Obligation Subaccount; and (iii) all payments made by Counterparties pursuant to Interest Rate Exchange Agreements.

*“Revenues under the First Bond Resolution”* means the moneys, including any moneys collected from the City and County or any department thereof other than the Department, derived by the Department from the rates, rentals, fees and charges prescribed for the use and services of, and the facilities and commodities furnished by, the Wastewater System, including, without limiting the generality of the foregoing, (i) all income, receipts, profits, and other moneys derived from the furnishing or supplying of the services, facilities and commodities through the Wastewater System; (ii) all income from investments of moneys held under the First Bond Resolution including investment income on the Improvement Second Account but not including any earnings on the Rebate Account, the Subordinate Obligation Account or the Reimbursable Obligation Account; (iii) all payments made by Counterparties pursuant to Interest Rate Exchange Agreements; and (iv) moneys and Investment Securities transferred from the Rate Stabilization Account to the Sewer Fund within 90 days following the end of a Fiscal Year. *“Revenues under the First Bond Resolution”* will not include, (i) deposits subject to refund until such deposits have become the property of the City and County; (ii) contributions in-aid-of construction and assessment, impact and other similar fees imposed and collected by the City and County which are targeted to pay the Costs of specific Improvements; (iii) income, fees, charges, receipts, profits or other moneys derived by the Department from the ownership or operation of any separate utility system; (iv) any gifts, grants, donations or other moneys received by the City and County for purposes of the Wastewater System from any State or Federal agency or other person if such gifts, grants, donations or other moneys are the subject of any limitation or reservation: (a) imposed by the donor or grantor; or (b) imposed by law or administrative regulation to which the donor or grantor is subject, limiting the application of such funds; (v) amounts retained in the Sewer Fund for working capital and operating reserves pursuant to the First Bond Resolution; (vi) moneys and Investment Securities transferred from the Sewer Fund to the Rate Stabilization Account within 90 days following the end of a Fiscal Year; or (vii) Wastewater System Facility Charges.

*“S&P”* means Standard & Poor’s Ratings Group, a division of The McGraw-Hill and Companies, Inc., its successors and their assigns, and, if such corporation for any reason no longer performs the functions of a securities rating agency, S&P is deemed to refer to any other nationally recognized rating agency designated by the Director of Budget and Fiscal Services.

*“Serial Bonds”* means Bonds which mature serially and which are not Term Bonds.

*“Series,” “Series of Bonds”* or *“Bonds of a Series”* means all Bonds designated as being of the same series issued and delivered on original issuance in a simultaneous transaction, and any Bonds thereafter delivered in lieu thereof or in substitution therefor pursuant to the Bond Resolution.

*“Sinking Fund Installment”* means an amount so designated which is established pursuant to the Bond Resolution. The portion of any such Sinking Fund Installment remaining after the deduction of any such amounts credited pursuant to the Bond Resolution toward the same (or the original amount of any such Sinking Fund Installment if no such amounts have been credited toward the same) will constitute the unsatisfied balance of such Sinking Fund Installment for the purpose of calculation of Sinking Fund Installments due on a future date.

*“Subordinate Obligations”* means the Bonds and any other bonds, notes or other evidences of indebtedness issued in compliance with the provisions of the First Bond Resolution as obligations subordinate to the First Resolution Obligations, other than Reimbursable Obligations.

*“Subordinate Obligation Requirement”* means with respect to any period of time, the amount required to be deposited in the Subordinate Obligation Account pursuant to the First Bond Resolution, indenture or other instruments of the City and County adopted by or entered into by the City and County in accordance with the Bond Resolution and providing for all payments with respect to Subordinate Obligations.

*“Supplemental Resolution”* means any resolution adopted by the City Council and becoming effective pursuant to and in compliance with the provisions of the Bond Resolution which amends or supplements the provisions of the Bond Resolution, any Series Resolution or any other Supplemental Resolution.

*“Support Facility”* means an irrevocable letter of credit, surety bond, loan agreement, standby purchase agreement or other agreement, facility or insurance or guaranty arrangement issued or extended by one or more Support Facility Providers, pursuant to which the City and County is entitled to obtain moneys to pay the principal

or Redemption Price of Bonds due in accordance with their terms or tendered for purchase or redemption, plus accrued interest thereon to the date of payment, purchase or redemption thereof in accordance with the Bond Resolution and with the Series Resolution authorizing such Bonds or a Series Certificate relating to such Bonds, whether or not the City and County is in default.

*“Support Facility Provider”* means a bank, a trust company, a national banking association, an organization subject to registration with the Board of Governors of the Federal Reserve System under the Bank Holding Company Act of 1956 or any successor provisions of law, a federal branch pursuant to the International Banking Act of 1978 or any successor provisions of law, a savings bank, a savings and loan association, an insurance company or association chartered or organized under the laws of any state of the United States of America, the Government National Mortgage Association or any successor thereto, the Federal National Mortgage Association or any successor thereto, or any other federal agency or instrumentality approved by the City and County or a Counterparty.

*“Support Facility Reimbursement Obligation”* means the obligation of the City and County described in the Bond Resolution to directly reimburse the Support Facility Provider of a Support Facility for amounts paid thereunder or a Counterparty under an Interest Rate Exchange Agreement for amounts paid thereunder, whether or not such obligation to reimburse is evidenced by a promissory note or other similar instrument.

*“Tax-exempt Bonds”* means Bonds the interest on which is intended by the City and County to be excluded from gross income of the holders of such Bonds for federal income taxation purposes pursuant to the Code.

*“Term Bonds”* means Bonds the retirement or the redemption of which is to be provided for from moneys credited to the Debt Service Subaccount pursuant to the Bond Resolution.

*“Third Lien Obligations”* means any bonds, notes or other evidences of indebtedness of the City and County payable from the Revenues, other than the First Resolution Obligations, the Bonds and the Reimbursable Obligations, issued in accordance with and complying with the provisions of the Bond Resolution.

*“Variable Rate Bonds”* means any Bonds issued bearing interest at a rate per annum subject to adjustment from time to time based on the terms thereof, based upon an index, or otherwise calculated in a manner which precludes the actual rate for the entire term of such Bonds from being ascertainable in advance as provided for in the Bond Resolution.

*“Wastewater System”* means all plants and properties, both real and personal and tangible and intangible, now or hereafter existing, under the management, control or jurisdiction of the Department, used for, useful in, or pertaining to the collection, pretreatment, advanced primary treatment, primary treatment, secondary treatment, tertiary treatment, purification, conveyance, storage, drainage, discharge and disposal of sewage, water, wastewater, stormwater, influent, effluent, or other liquids or suspended solids, or incidental or necessary to the preservation of the City and County’s or the Department’s wastewater conveyance facilities, wastewater treatment plants, wastewater disposal facilities, storm drains and sewers, sewage pump stations, sewage treatment plants, sewers, interceptors, outfall and other related facilities and plants, and the integrity thereof. The terms used in the preceding sentence have the meanings as ascribed to them in the City Code. Without limiting the generality of the foregoing, the Wastewater System includes: (1) the existing plants and properties comprising the Wastewater System under the management, control or jurisdiction of the Department, as of the date of adoption of the Bond Resolution; and (2) all Improvements thereafter constructed or otherwise acquired, purchased or annexed.

*“Wastewater System Facility Charge”* has the meaning specified in the City Code.

### **Pledge Made in the Bond Resolution**

The Bonds are payable solely from and secured by the funds pledged therefor under the Bond Resolution. The City and County has pledged as security for the payment of the principal of, Redemption Price, if any, and interest on the Bonds in accordance with their terms and the provisions of the Bond Resolution, subject only to the provisions of the Bond Resolution permitting the application thereof for the purposes and on the terms and

conditions set forth in the Bond Resolution: (i) the proceeds of sale of the Bonds pending application thereof in accordance with the provisions of the Bond Resolution or of a Series Resolution or a Series Certificate; (ii) the Net Revenues; and (iii) the Subordinate Obligation Account but excluding all Subaccounts therein unless specifically pledged by the Bond Resolution, a Series Resolution or a Series Certificate, (iv) the Debt Service Subaccount, (v) with respect to any Series of Bonds entitled to the benefit of a Separate Series Reserve Subaccount, such Separate Series Reserve Subaccount, and (vi) with respect to any Series of Bonds entitled to the benefit of the Common Reserve Subaccount, the Common Reserve Subaccount, including the investments, if any, in such Account and Subaccounts; and the Bondholders shall have to the extent permitted by law, a lien on, and a security interest in, such proceeds, Net Revenues, and Subaccounts for such purpose and subject to such provisions of the Resolution. The Rebate Subaccount and the Third Lien Subaccount are not pledged to the payment of the principal and redemption price (if any) of, and interest on, the Bonds.

So long as First Resolution Obligations are outstanding for purposes of the First Bond Resolution, the pledge of the Net Revenues made by the Bond Resolution is subordinate and junior in all respects to the pledge of the Net Revenues made by the First Bond Resolution. The pledge of the Net Revenues made by the Bond Resolution is also prior and superior to the pledge which may be made by any resolution, indenture or other instrument authorizing and securing Third Lien Obligations and Reimbursable Obligations. On and after such date, if any, that First Resolution Obligations are no longer outstanding for purposes of the First Bond Resolution, the pledge of the Net Revenues made by the Bond Resolution will be prior and superior in all respects to any pledge of the Net Revenues made by any resolution, indenture or other instruments, including the pledge which may be made by any resolution, indenture or other instrument authorizing and securing Third Lien Obligations and Reimbursable Obligations. There will be additionally pledged on and after such date as security for the payment of the principal and Redemption Price (if any) of, and interest on, the Bonds in accordance with their terms and the provisions of the Bond Resolution, subject only to the provisions of the Bond Resolution permitting the application thereof for the purposes and on the terms and conditions set forth in the Bond Resolution, (i) the Sewer Fund but excluding all Accounts and Subaccounts therein unless specifically pledged by the Bond Resolution, a Series Resolution or a Series Certificate, (ii) the Renewal and Replacement Account, (iii) the Rate Stabilization Account and (iv) the Wastewater General Account.

The Bond Resolution provides that each of the obligations, duties, limitations and restraints imposed upon the City and County by the Bond Resolution is deemed to be a covenant between the City and County and every Holder of the Bonds, and the Bond Resolution and every provision and covenant set forth in the Bond Resolution is deemed to be and constitute a continuing contract and agreement between the City and County and the Holders from time to time of the Bonds issued under the Bond Resolution, to secure the full and final payment of the principal and redemption price of and interest on all Bonds which may from time to time be issued, executed, and delivered under the Bond Resolution. The covenants and agreements set forth in the Bond Resolution to be performed by the City and County are for the equal and proportionate benefit, security and protection of all Holders of the Bonds without preference, priority or distinction as to payment or security or otherwise of any of the Bonds over any of the others for any reason or cause whatsoever except as expressly provided in the Bond Resolution, in a Series Resolution, a Series Certificate or a Supplemental Resolution, or in the Bonds.

### **Additional Bonds**

*Basic Test.* One or more Series of Bonds (exclusive of Refunding Bonds) may be issued at any time and from time to time for any lawful use or purpose relating to the Wastewater System, including, without limitation, payment of all or a portion of the Costs of Improvements, but only upon compliance as to each such Series with the provisions set forth in the Bond Resolution, including, among other things, delivery to the Director of Budget and Fiscal Services of the following documents or moneys or securities:

1. A written certificate of the City and County stating the amount required to be in the Common Reserve Subaccount after issuance of the Bonds then to be issued, and that after deposit in the Common Reserve Subaccount of the amount, if any, to be deposited therein in connection with the issuance of such Bonds, the amounts on deposit in the Common Reserve Subaccount will not be less than the Common Reserve Subaccount Requirement.

2. A written certificate of the City and County stating the amount required to be in the Separate Series Reserve Subaccount created, if any, to provide additional security for the Bonds of such Series after issuance of the Bonds then to be issued, and that after deposit in such Separate Series Reserve Subaccount of the amount to be deposited therein in connection with the issuance of such Bonds, the amounts on deposit in such Separate Series Reserve Subaccount will not be less than the Separate Series Reserve Subaccount Requirement for such Separate Series Reserve Subaccount.

3. Either (I) a written certificate of the City and County based: (i) on audited figures or (ii) to the extent audited figures are not available, on figures taken by an independent certified public accountant from the Department's books and records; showing that the Net Revenues for: (a) the most recent Fiscal Year, or (b) any consecutive 12-months' period out of 24 months immediately preceding the month in which such Bonds are issued were not less than the greater of: (x) the sum of (1) the maximum of the sum of the Aggregate Debt Service on all First Resolution Obligations issued and outstanding under and pursuant to the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any Fiscal Year and the 12-month period selected and (2) the Required Deposits for such Fiscal Year or the 12-month period selected; and (y) the sum of (1) 1.10 times the maximum of the sum of the Aggregate Debt Service on all First Resolution Obligations issued and outstanding under and pursuant to the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any Fiscal Year and the 12-month period selected, and (2) 1.00 times the aggregate Support Facility Reimbursement Obligations outstanding under the First Bond Resolution and the Bond Resolution as of the date of the written certificate of the City and County, or (II) a written certificate of the City and County or Certificate of the Consulting Engineer that the Net Revenues to be derived in each of the five (5) Fiscal Years following the earlier of: (i) the end of the period during which interest is capitalized or, if no interest is to be capitalized, the Fiscal Year in which the proposed Series of Bonds are issued, and (ii) the date on which substantially all Improvements to be financed with the proceeds of the proposed Series of Bonds are expected to commence operations, or, if the proceeds of such Series of Bonds will not be used to fund the Costs of Improvements, the Fiscal Year in which the proposed Series of Bonds are issued, are estimated to be not less than the greater of: (x) the sum of (1) the maximum of the sum of the Aggregate Debt Service on all First Resolution Obligations issued under and pursuant to the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any such Fiscal Year, and (2) the Required Deposits for any such Fiscal Year; and (y) the sum of (1) 1.10 times the maximum of the sum of the Aggregate Debt Service on all First Resolution Obligations issued under and pursuant to the First Bond Resolution and the Aggregate Debt Service on all Bonds then Outstanding and on the proposed Series of Bonds in any such Fiscal Year, and (2) 1.00 times the aggregate Support Facility Reimbursement Obligations outstanding under the First Bond Resolution and the Bond Resolution as of the date of such written certificate of the City and County or certificate of the Consulting Engineer, as the case may be.

*Certain Adjustments.* The Bond Resolution permits and requires certain adjustments to be made in determining whether the Basic Test described above for the issuance of Bonds other than Refunding Bonds is met.

1. In determining Debt Service on Variable Rate Bonds then Outstanding and Variable Rate Bonds then proposed to be issued for purposes of the Basic Test described above, the interest rate is to be calculated as: (i) if any Variable Rate Bonds are then Outstanding and have been Outstanding for at least 24 months, the highest average interest rate borne by such Variable Rate Bonds for any 30-day period or if no such Variable Rate Bonds are then Outstanding, the Revenue Bond Index at the time of calculation.

2. Bond Anticipation Notes then Outstanding are to be treated as Bonds. In determining Debt Service on such Bond Anticipation Notes, such Bond Anticipation Notes are assumed to mature in 30 years and bear interest equal to the Revenue Bond Index at the time of calculation.

3. Third Lien Obligations and Reimbursable Obligations originally issued with a maturity of five (5) years or less are assumed to mature in 30 years and bear interest equal to the Revenue Bond Index at the time of calculation.

4. In preparing the certificate required by the Basic Test described above, the Authorized Officer or the Consulting Engineer, as applicable, may make adjustments to the Net Revenues as follows:

a. If any changes have been made in the schedule of rates and charges imposed by the City and County for commodities and services furnished by the Wastewater System which are in effect at the time of adoption of the Series Resolution authorizing the issuance of the Bonds then being issued and were placed into effect subsequent to the start of the Fiscal Year or the 12-month period selected pursuant to item 3 of the *Basic Test* described above, the Authorized Officer, may, if such changes result in increases in such rates and charges, and must, if such changes result in reductions in such rates and charges, adjust the Net Revenues for such period to reflect any change in such Net Revenues which would have occurred if the schedule of rates and charges in effect at the time of the adoption of the Series Resolution providing for the issuance of such Bonds had been in effect during the portion of such period in which such schedule was not in effect.

b. If customers are being served by the Department at the time of adoption of the Series Resolution authorizing the issuance of the Bonds then being issued and who were added to the Wastewater System subsequent to the start of the Fiscal Year or the 12-month period selected pursuant to item 3 of the *Basic Test* described above, the Authorized Officer may adjust the Net Revenues for such period to reflect any change in such Net Revenues which would have occurred if the additional customers had been served during the portion of the period in which such customers were not served.

c. If residential, commercial, industrial or institutional customers which are in existence are not then served by the Wastewater System at the time of adoption of the Series Resolution authorizing the issuance of the Bonds then being issued, but are then expected to be served during the five (5) Fiscal Years covered by such certificate, the Authorized Officer or the Consulting Engineer, as applicable, must estimate the effect which such new customers would have had on the Net Revenues for the period selected pursuant to item 3 of the *Basic Test* described above, if such new customers had been served during the entire period and may adjust the Net Revenues for such period to give effect to such new customers. Any such estimate will be based upon the operating experience and records of the Department with respect to the Wastewater System and upon any available financial and quarterly statistics deemed pertinent by the Authorized Officer or the Consulting Engineer, as applicable.

d. If any long-term, guaranteed contracts with customers of the Wastewater System are in effect at the time of adoption of the Series Resolution authorizing the issuance of the Bonds then being issued and which were entered into subsequent to the start of the Fiscal Year or 12-month period selected pursuant to item 3 of the *Basic Test* described above, the Authorized Officer may adjust the Net Revenues for such period to reflect any change in such Net Revenues which would have occurred if such contracts had been in effect for the entire period.

e. In rendering the certificate required pursuant to item 3 of the Basic Test, the Authorized Officer or the Consulting Engineer, as applicable, must deem the Operation and Maintenance Expenses for the Wastewater System for the first Fiscal Year of the five (5) year period to be equal to such Operation and Maintenance Expenses for the Fiscal Year immediately preceding the Fiscal Year in which the proposed Series of Bonds is to be delivered, and thereafter the Authorized Officer or the Consulting Engineer, as applicable, must adjust, if deemed necessary, for any increased Operation and Maintenance Expenses which are estimated to occur during any subsequent Fiscal Year during the five (5) year period and are, in the judgment of the Authorized Officer or the Consulting Engineer, as applicable, essential to maintaining and operating the Wastewater System.

f. In rendering any certificate pursuant to the Bond Resolution, the Authorized Officer or the Consulting Engineer, as applicable, may rely upon estimates from other sources which the Authorized Officer or the Consulting Engineer, considers reliable, making such

adjustments and provisions for contingencies based on similar projects and other considerations as deemed appropriate by such Authorized Officer or the Consulting Engineer.

### **Refunding Bonds**

The City and County may issue a Series of refunding Bonds at any time for the purpose of refunding (including by purchase) all or any portion of Bonds Outstanding, including amounts to pay principal, redemption premium and interest to the date of maturity or redemption (or purchase) and the expense of issuing the refunding Bonds and of effecting such refunding if the conditions set forth in the Bond Resolution are complied with, including all of the conditions of the *Basic Test* described above, except that condition 3 need not be complied with if the maximum annual Debt Service in any Fiscal Year on the refunding Bonds proposed to be issued does not exceed maximum annual Debt Service in any Fiscal Year on the refunded Bonds by more than 10%. All adjustments described above in *Certain Adjustments* are applicable to the issuance of refunding Bonds.

The City and County may also issue a Series of refunding Bonds at any time for the purpose of refunding (including by purchase) all or any portion of outstanding Third Lien Obligations or Reimbursable Obligations, including amounts to pay principal, redemption premium and interest to the date of maturity or redemption (or purchase) and the expense of issuing the refunding Bonds and of effecting such refunding if the conditions set forth in the Bond Resolution are complied with, including all of the conditions of the *Basic Test* described above.

### **Bond Anticipation Notes**

Bond Anticipation Notes may be issued by the City and County at such time as the City and County shall have by a Series Resolution duly adopted authorized the issuance of Bonds under the Bond Resolution. No Bond Anticipation Notes may be issued unless there has been filed with the Director of Budget and Fiscal Services on or prior to the date of issuance of such Bond Anticipation Notes, a written certificate of the City and County to the effect that, based on market conditions expected to be prevailing at the time of issuance of the Series of Bonds in anticipation of which such Bond Anticipation Notes are issued and on other reasonable assumptions set forth in such written certificate, the provisions of the Bond Resolution for the issuance of additional Bonds other than refunding Bonds are expected to be complied with at the time of issuance of such Series of Bonds. The maximum maturity of any Bond Anticipation Notes, including the renewals thereof, must not exceed five (5) years from the date of the original Bond Anticipation Note. The principal of Bond Anticipation Notes may be paid from the proceeds of such Bond Anticipation Notes (or any renewal thereof) or from the proceeds of the Bonds in anticipation of which such Bond Anticipation Notes were issued. The interest on such Bond Anticipation Notes may be secured by a lien on and pledge of, and be paid from, the Net Revenues on a parity with the lien on and pledge of the Net Revenues created in the Bond Resolution for the payment and security of the Bonds. The principal of Bond Anticipation Notes will be secured by a lien on and pledge of the proceeds of the Bonds in anticipation of which such Bond Anticipation Notes were issued and any such pledge will have priority over any other pledge of such proceeds created by the Bond Resolution. Bond Anticipation Notes issued under the Bond Resolution are to be treated as Bonds for all purposes of the Bond Resolution, and are to be payable from the Debt Service Subaccount, except to the extent that the principal of any such Bond Anticipation Note is paid from the proceeds of other Bond Anticipation Note or from the proceeds of Bonds.

### **Third Lien Obligations**

The City and County may issue Third Lien Obligations which are payable out of, and which may be secured by a pledge of, such amounts in the Third Lien Obligation Subaccount as may from time to time be available for the purpose of payment. The City and County may, by resolution, provide for various priorities in the liens and pledges securing Third Lien Obligations, and nothing in the Bond Resolution shall be construed so as to require that the payment of, or pledges securing, Third Lien Obligations be on a parity *inter se*.

The City and County may also issue Third Lien Obligations: (i) to refund any Third Lien Obligations issued as provided in the Bond Resolution; (ii) to refund Outstanding Bonds; or (iii) to refund any Reimbursable Obligations. Such Third Lien Obligations issued for refunding purposes may be payable out of, and may be secured by a pledge of, such amounts in the Third Lien Obligation Subaccount or Wastewater General Account as may from time to time be available therefor.

The Bond Resolution requires that any resolution, indenture or other instrument securing or evidencing each issue of Third Lien Obligations must contain provisions (which shall be binding on all holders of such Third Lien Obligations) not more favorable to the holders of such Third Lien Obligations than as described below:

(1) In the event of any insolvency or bankruptcy proceedings, and any receivership, liquidation, reorganization or other similar proceedings in connection therewith, relative to the City and County or the Department, or to the property of the City and County or property operated by the Department, and in the event of any proceedings for voluntary liquidation, dissolution or other winding up of the City and County or the Department, the Holders of all Bonds then Outstanding will be entitled to receive payment in full of all principal and interest on all such Bonds before the holders of the Third Lien Obligations are entitled to receive any payment from the trust estate under the Bond Resolution consisting of the Net Revenues and funds held under the Bond Resolution (the "Trust Estate" for these purposes) on account of principal (and premium, if any) or interest on the Third Lien Obligations.

(2) In the event that any issue of Third Lien Obligations is declared due and payable before its expressed maturity because of the occurrence of an event of default (under circumstances when the provisions of (1) above are not applicable), the Holders of all Bonds Outstanding at the time such Third Lien Obligations so become due and payable because of such occurrence of such an event of default will be entitled to receive payment in full of all principal and interest on all such Bonds before the holders of the Third Lien Obligations are entitled to receive any accelerated payment from the Trust Estate of principal (and premium, if any) or interest on the Third Lien Obligations.

(3) If any Event of Default with respect to the Bonds has occurred and be continuing (under circumstances when the provisions of (1) above are not applicable), the Holders of all Bonds then Outstanding will be entitled to receive payment in full of all principal and interest on all such Bonds before the holders of the Third Lien Obligations are entitled to receive any accelerated payment from the Trust Estate of principal (and premium, if any) or interest on the Third Lien Obligations.

(4) No Bondholder shall be prejudiced in his right to enforce subordination of the Third Lien Obligations by any act or failure to act on the part of the City and County.

(5) The Third Lien Obligations may provide that the provisions of (1), (2), (3) and (4) above are solely for the purpose of defining the relative rights of the Bondholders on the one hand, and the holders of Third Lien Obligations on the other hand, and nothing therein shall impair, as between the City and County and the owners of the Third Lien Obligations, the obligation of the City and County to pay to the owners thereof the principal thereof and premium, if any, and interest thereon in accordance with its terms, nor shall anything therein prevent the holders of the Third Lien Obligations from exercising all remedies otherwise permitted by applicable law or thereunder upon default thereunder, subject to the rights under (1), (2), (3) and (4) above of the Holders of Bonds to receive cash, property or securities otherwise payable or deliverable to the holders of the Third Lien Obligations; and the Third Lien Obligations may provide that, insofar as a trustee or paying agent for such Third Lien Obligations is concerned, the foregoing provisions shall not prevent the application by such trustee or paying agent of any moneys deposited with such trustee or paying agent for the purpose of the payment of or on account of the principal (and premium, if any) and interest on such Third Lien Obligations if such trustee or paying agent did not have knowledge at the time of such application that such payment was prohibited by the foregoing provisions.

Any issue of Third Lien Obligations may have such rank or priority with respect to any other issue of Third Lien Obligations as may be provided in the resolution, indenture or other instrument securing such issue of Third Lien Obligations and may contain such other provisions as are not in conflict with the provisions of the Bond Resolution.

### **Reimbursable Obligations**

The obligation for the payment of Reimbursable Obligations shall be: (i) after and inferior to the lien and security interest for the payment of Bonds and those Third Lien Obligations which are payable from the Third Lien

Obligation Subaccount; and (ii) prior and superior to the lien and security interest for the payment of those Third Lien Obligations which are payable from the Wastewater General Account. Reimbursable Obligations are payable from the Reimbursable Obligation Account.

### **Support Facilities and Interest Rate Exchange Agreements**

In connection with the issuance of any Series of Bonds and to the extent permitted by law, the City and County may obtain or cause to be obtained from one or more Support Facility Providers one or more Support Facilities providing for payment of all or a portion of the purchase price or principal, premium, if any, or interest due or to become due on specified Bonds of such Series, or providing for the purchase of such Bonds or a portion of such Bonds by such Support Facility Providers, or providing, in whole or in part, for the funding of the Common Reserve Subaccount or a Separate Series Reserve Subaccount pursuant to the Bond Resolution.

In connection with the issuance of any Series of Bonds or to better manage its assets and liabilities and, to the extent permitted by law, the City and County may enter into with one or more Counterparties one or more Interest Rate Exchange Agreements; *provided* that no such Interest Rate Exchange Agreement shall adversely affect the exclusion from gross income for purposes of federal income taxation of interest on the Tax-exempt Bonds of any Series.

The City and County may enter into agreements with one or more Support Facility Providers or Counterparties to provide for, among other things: (i) the payment of fees and expenses to such Support Facility Providers or Counterparties; (ii) the terms and conditions of such Support Facility or Interest Rate Exchange Agreement and the Series of Bonds affected thereby; and (iii) the security, if any, to be provided to such Support Facility Providers or Counterparties. The City and County may secure the Support Facility or Interest Rate Exchange Agreement by an agreement providing for the purchase of the Bonds secured thereby with such adjustments to the rate of interest, method of determining interest, maturity, or redemption provisions as specified in the Series Resolution or the Series Certificate. Debt Service with respect to any Bonds so secured is to be calculated for purposes of the definition of Common Reserve Subaccount Requirement by using the Assumed Long-Term Fixed Rate.

The City and County may also agree in any agreement with the Support Facility Provider of such Support Facility or the Counterparty under an Interest Rate Exchange Agreement to reimburse directly such Support Facility Provider or Counterparty for any amounts paid under the terms of such Support Facility or Interest Rate Exchange Agreement, together with interest thereon (the "Support Facility Reimbursement Obligation"); *provided, however*, that no Support Facility Reimbursement Obligation is to be created, for purposes of the Bond Resolution, until amounts are paid under such Support Facility or Interest Rate Exchange Agreement, as the case may be. Any such Support Facility Reimbursement Obligation may be secured by a lien on and pledge of the Net Revenues on a parity with the lien on and pledge of the Net Revenues created by the Bond Resolution with respect to the Bonds (a "Parity Support Facility Reimbursement Obligation"). Any such Parity Support Facility Reimbursement Obligation will be deemed to be a part of the Series of Bonds to which the Support Facility which gave rise to such Parity Support Facility Reimbursement Obligation relates. Payment of Support Facility Reimbursement Obligation may be made out of the Sewer Fund as provided in the Bond Resolution.

Any Support Facility deposited in the Common Reserve Subaccount or the long-term debt of the Support Facility Provider of such Support Facility must, in each case, be in the highest rating category each Rating Agency, and if rated by A.M. Best & Company, also be rated in the highest rating category by A.M. Best & Company or its successors. In the event any Support Facility deposited in the Common Reserve Subaccount or the long-term debt of the issuer of any Support Facility deposited in the Common Reserve Subaccount falls below the highest rating category of each Rating Agency, and A.M. Best & Company, if rated by A.M. Best & Company, the City and County must, within 120 days, obtain a new Support Facility which is rated in the highest category of each Rating Agency or for which the long-term debt of the issuer of such new Support Facility is rated in the highest rating category of each Rating Agency and A.M. Best & Company, if rated by A.M. Best & Company; *provided, however*, that if the new Support Facility is not obtained within 120 days, the City and County must deposit in the Common Reserve Subaccount Net Revenues in the amount provided in the Bond Resolution. If a disbursement is made pursuant to a Support Facility deposited in the Common Reserve Subaccount, the City and County must: first, reinstate the full amount of such Support Facility; and second, if necessary deposit Net Revenues in the Common

Reserve Subaccount in the amount of the disbursement made under such Support Facility, in either case such that the amount in the Common Reserve Subaccount is equal to the Common Reserve Subaccount Requirement within a period of time not longer than would be required to restore the Common Reserve Subaccount by application of moneys in the Sewer Fund. The City and County may at any time deposit cash or Investment Securities as replacement for one or more Support Facilities.

The City and County must obtain and maintain in effect one or more Support Facilities for Option Bonds. The City and County must obtain a replacement Support Facility to replace any Support Facility for Option Bonds that is expiring, not renewed or terminated. Procedures for such replacement, maintenance and notices to Bondholders, rating agencies or other persons are to be provided in the Series Resolution authorizing the Series of Bonds or the Series Certificate relating to such Bonds.

### **Funds and Accounts**

The City and County has established by ordinances the Sewer Fund and the Sewer Revenue Bond Improvement Fund (the "Improvement Fund"). The First Bond Resolution establishes the following accounts in the Sewer Fund:

- Wastewater System Facility Charge Account,
- Debt Service Account,
- Common Reserve Account,
- Rebate Account,
- Rate Stabilization Account,
- Subordinate Obligation Account,
- Reimbursable Obligation Account,
- Renewal and Replacement Account, and
- Wastewater General Account.

None of the accounts in the Sewer Fund except the Subordinate Obligation Account is pledged as security for the payment of debt service on the Bonds. Such pledge of the Subordinate Obligation Account is subject to the terms and provisions of and the exceptions provided in the First Bond Resolution and the Bond Resolution.

The Bond Resolution establishes the following subaccounts in the Subordinate Obligation Account:

- Debt Service Subaccount,
- Common Reserve Subaccount,
- Rebate Subaccount, and
- Third Lien Obligation Subaccount.

The Bond Resolution permits the establishment of one or more Separate Series Reserve Subaccounts in the Subordinate Obligation Account. The Bond Resolution also permits the establishment of one or more Series Improvement Subaccounts in the Improvement Second Account and requires the establishment of one or more Series Improvement Interest Subaccounts in the Improvement Second Account if interest on the Bonds of a Series is to be paid from the proceeds of such Bonds during the period of construction of any Improvements and for six months thereafter.

### **Sewer Fund**

Revenues and Wastewater System Facility Charges are to be collected by the Department and are to be deposited into the Sewer Fund. Under the First Bond Resolution, the Department will, in each month, (i) after making the transfer, if any, to the Wastewater System Facility Charge Account of all moneys received as Wastewater System Facility Charges, (ii) after paying or setting aside a sufficient amount to pay the Operating and Maintenance Expenses, (iii) after making the transfer to the Rebate Account under the First Bond Resolution, (iv) after transferring a sufficient amount to the Debt Service Account under the First Bond Resolution to equal debt service on First Resolution Obligations, (v) after transferring a sufficient amount to the Common Reserve Account and each Separate Series Reserve Account under the First Bond Resolution to eliminate any deficiency therein, and

(vi) after maintaining in the Sewer Fund a reasonable and necessary amount for working capital and operating reserves, transfer from the Sewer Fund to the Subordinate Obligation Account a sufficient amount required by the Bond Resolution to pay all accrued and unpaid amounts and amounts to accrue and become payable during the succeeding calendar month which are payable from the Subordinate Obligation Account.

### **Subordinate Obligation Account**

Moneys transferred from the Sewer Fund to the Subordinate Obligation Account are to be applied on the 5th day prior to the end of each month, unless otherwise provided below, in the following order of priority:

(1) To the Rebate Subaccount such amount as is necessary to pay the rebate amount due the United States Treasury Department under Section 148 of the Code or to set aside as a reserve for such payment;

(2) To the Debt Service Subaccount, if and to the extent required so that the balance in the Debt Service Subaccount shall equal the Accrued Debt Service for all Bonds Outstanding and the interest accrued on all Bond Anticipation Notes outstanding on said date;

(3) (a) To the Common Reserve Subaccount, if and to the extent required either (i) an amount such that the balance in the Common Reserve Subaccount will equal the Common Reserve Subaccount Requirement on said date, or (ii) an amount such that if the same amount were deposited in each month the amount of any deficiency in the Common Reserve Subaccount would be eliminated at the end of the sixth (6th) month following the first credit; and (b) to each Separate Series Reserve Subaccount, if and to the extent required either (i) an amount such that the balance in each Separate Series Reserve Subaccount shall equal the Separate Series Reserve Subaccount Requirement for each Separate Series Reserve Subaccount on said date, or (ii) an amount such that if the same amount were deposited in each month the amount of any deficiency in each Separate Series Common Reserve Subaccount shall be eliminated at the end of the sixth (6th) month following the first credit; provided, however, that such transfers shall be pro rata, based on the proportion of the Common Reserve Subaccount Requirement and each Separate Series Reserve Subaccount Requirement to the sum of the Common Reserve Subaccount Requirement and all Separate Series Reserve Subaccount Requirements;

(4) To the Third Lien Obligation Subaccount, the amount, if any, equal to all Third Lien Obligation Requirements theretofore accrued and unpaid and not met from any other source and to accrue and become payable during the succeeding calendar month and not met from any other source.

The Bond Resolution permits the City and County to pay directly out of the Third Lien Obligation Subaccount reimbursements to providers of Support Facilities whose Support Facilities have been drawn upon in the same priority and order as payments from the Third Lien Obligation Subaccount to the Debt Service Subaccount, the Common Reserve Subaccount, each Separate Series Reserve Subaccount or other Funds, Accounts and Subaccounts as provided in a Series Resolution as if such payments were part of such Funds, Accounts and Subaccounts.

### **Purposes of the Various Subaccounts in Subordinate Obligation Account**

*Debt Service Subaccount.* The principal and Redemption Price of and interest on the Bonds and interest on Bond Anticipation Notes are to be paid out of the Debt Service Subaccount in the Sewer Fund to each Paying Agent on or before the respective due dates.

Amounts accumulated in the Debt Service Subaccount by reason of the payment of any Sinking Fund Installment may be applied by the City and County, on or prior to the 60th day preceding the due date of such Sinking Fund Installment, to: (i) the purchase of Bonds of the maturity for which such Sinking Fund Installment was established, or (ii) the redemption of such Bonds at the applicable Redemption Price, if then redeemable by their terms. All such purchases of Bonds are to: (i) be made at prices not exceeding the applicable Redemption Price of such Bonds plus accrued interest; (ii) be made as arranged by the City and County in such manner and from such sellers or brokers at such prices as the City and County may determine; and (iii) be made to insure that delivery of the Bonds so purchased will not occur later than the 60th day next preceding the redemption date to which the

Sinking Fund Installment is to be applied. The applicable Redemption Price of any Bonds (or principal amount of maturing Bonds) so purchased or redeemed is deemed to constitute part of the Debt Service Subaccount until such Sinking Fund Installment date, for the purpose of calculating the amount of such Subaccount. As soon as practicable after the 60th day preceding the due date of any such Sinking Fund Installment, the City and County must proceed to call for redemption on such due date Bonds of the maturity for which such Sinking Fund Installment was established (except in the case of Bonds maturing on a Sinking Fund Installment date) in such amount as is necessary to complete the retirement of the unsatisfied balance of such Sinking Fund Installment after making allowance for any Bonds purchased or redeemed pursuant to the Bond Resolution which the City and County has applied as a credit against such Sinking Fund Installment as provided in the Bond Resolution.

Upon any purchase or redemption pursuant to the Bond Resolution of Bonds of any Series and maturity for which Sinking Fund Installments shall have been established: (i) if the principal amount of the Bonds so purchased is less than or equal to the next succeeding Sinking Fund Installment for such Series there is to be credited to the next such Sinking Fund Installment an amount equal to the principal amount of the Bonds of such Series so purchased; and (ii) if the principal amount of the Bonds so purchased is greater than the next succeeding Sinking Fund Installment, there is to be credited toward each such Sinking Fund Installment thereafter to become due an amount bearing the same ratio to such Sinking Fund Installment as the total principal amount of such Bonds so purchased or redeemed bears to the total principal amount of all such Sinking Fund Installments to be so credited or, at the option of the City and County, an amount equal to the next succeeding Sinking Fund Installment. The portion of any such Sinking Fund Installment remaining after the deduction of any such amounts credited toward the same (or the original amount of any such Sinking Fund Installment if no such amounts have been credited toward the same) will constitute the unsatisfied balance of such Sinking Fund Installment for the purpose of calculation of Sinking Fund Installments due on a future date.

The amount, if any, credited to the Debt Service Subaccount from a Series Improvement Interest Subaccount is to be applied to the payment of interest on the Bonds as the same becomes due and payable as provided in the Bond Resolution.

*Common Reserve Subaccount.* If on the day preceding any principal or interest payment date, the amount in the Debt Service Subaccount is less than the Accrued Debt Service for all Bonds then Outstanding which are entitled to the benefit of the Common Reserve Subaccount, the City and County will pay out of the Common Reserve Subaccount to each Paying Agent for such Bonds the amount necessary to satisfy the deficiency for payment to the holders of such Bonds. Amounts so applied are to be derived first, from cash or Investments Securities on credit to the Common Reserve Subaccount and second, from draws or demands on Support Facilities held as a part of the Common Reserve Subaccount, such draws or demands to be made *pro rata* among all such Support Facilities based on the respective available amounts under such Support Facilities and upon the terms and conditions set forth in such Support Facilities.

Whenever the amounts on deposit in the Common Reserve Subaccount exceed the Common Reserve Subaccount Requirement, the City and County will withdraw the amount of such excess and deposit such excess to the credit of the Debt Service Subaccount or the Sewer Fund, as the City and County may determine.

Whenever the amount (exclusive of Support Facilities) in the Common Reserve Subaccount, together with the amount in the Debt Service Subaccount attributable to Bonds entitled to the benefit of the Common Reserve Subaccount, is sufficient to pay in full the principal or Redemption Price, if any, of and interest on all such Outstanding Bonds in accordance with their terms, the funds on credit to the Common Reserve Subaccount are to be transferred to the Debt Service Subaccount and applied to make such payment. Prior to such transfer, all Investment Securities held in the Common Reserve Subaccount will be liquidated by the City and County to the extent necessary to provide for timely payment of the principal or Redemption Price, if any, of and interest on such Bonds.

When a Series of Bonds entitled to the benefit of the Common Reserve Subaccount is refunded in whole or in part or is otherwise deemed paid within the meaning of the Bond Resolution, moneys may be withdrawn from the Common Reserve Subaccount to pay or provide for the payment of such Bonds or refunded Bonds, as the case may be; provided that immediately after such withdrawal or transfer there must be on credit to the Common Reserve Subaccount for those Bonds of the Series of Bonds not refunded an amount equal to the Common Reserve Subaccount Requirement for the Bonds entitled to the benefit of the Common Reserve Subaccount then Outstanding after taking into account such refunding or payment.

The City and County may determine in the Series Resolution authorizing a Series of Bonds or a Series Certificate related to a Series of Bonds that such Series of Bonds will not be entitled to the benefit of the Common Reserve Subaccount, in which case no amount will be required from the proceeds of such Series of Bonds for credit to the Common Reserve Subaccount and no amount will be payable from the Common Reserve Subaccount to pay amounts due or payable with respect to such Series of Bonds.

The Common Reserve Subaccount Requirement is to be calculated or recalculated: (i) at the time of issuance of a Series of Bonds (or Bond Anticipation Notes); (ii) at the time a Series of Bonds is retired in its entirety; (iii) at such other time as in the Opinion of Counsel is required to maintain the exclusion of interest on the Tax-exempt Bonds from gross income for federal income taxation purposes.

*Separate Series Reserve Subaccounts.* If on the day preceding any principal or interest payment date, the amount in the Debt Service Subaccount is less than Accrued Debt Service for the Bonds of a Series then Outstanding which are entitled to the benefit of a Separate Series Reserve Subaccount, the City and County will pay out of such Separate Series Reserve Subaccount to the Paying Agent for such Bonds the amount necessary to satisfy the deficiency for payment to the holders of such Bonds. Amounts so applied shall be derived first, from cash or Investments Securities on credit to such Separate Series Reserve Subaccount and second, from draws or demands on Support Facilities held as a part thereof, such draws or demands to be made *pro rata* among all such Support Facilities based on the respective available amounts under such Support Facilities and upon the terms and conditions set forth in such Support Facilities.

Whenever the amounts on deposit in any Separate Series Reserve Subaccount exceed the applicable Separate Series Reserve Subaccount Requirement, the City and County will withdraw the amount of such excess and deposit such excess to the credit of the Debt Service Subaccount or the Sewer Fund, as the City and County may determine.

Whenever the amount (exclusive of Support Facilities) in any Separate Series Reserve Subaccount, together with the amount in the Debt Service Subaccount attributable to Bonds entitled to the benefit of such Separate Series Reserve Subaccount, is sufficient to pay in full the principal or Redemption Price, if any, of and interest on all such Outstanding Bonds in accordance with their terms, the funds on credit to such Separate Series Reserve Subaccount are to be transferred to the Debt Service Subaccount and applied to make such payment. Prior to such transfer, all Investment Securities held in such Separate Series Reserve Subaccount will be liquidated by the City and County to the extent necessary to provide for timely payment of the principal or Redemption Price of and interest on such Bonds.

When a Series of Bonds entitled to the benefit of the Separate Series Reserve Subaccount is refunded in whole or in part or are otherwise deemed paid within the meaning of the Bond Resolution, moneys may be withdrawn from such Separate Series Reserve Subaccount to pay or provide for the payment of such Bonds or refunded Bonds, as the case may be; *provided* that immediately after such withdrawal or transfer there must be on credit to such Separate Series Reserve Subaccount an amount equal to the Separate Series Reserve Subaccount Requirement for the Bonds then Outstanding which are entitled to the benefit of such Separate Series Reserve Subaccount after taking into account such refunding or payment.

Each Separate Series Reserve Subaccount Requirement is to be calculated or recalculated: (i) at the time of issuance of a Series of Bonds (or Bond Anticipation Notes); (ii) at the time a Series of Bonds is retired in its entirety; (iii) at such other time as in the Opinion of Counsel is required to maintain the exclusion of interest on the Tax-exempt Bonds from gross income for federal income taxation purposes.

Certain provisions of the Bond Resolution relating to Separate Series Reserve Subaccount may be modified in whole or in part with respect to any Series of Bonds entitled to the benefits of a Separate Series Reserve Subaccount.

*Rebate Subaccount.* If and to the extent required by the Code, an Authorized Officer must periodically, at such times as may be required to comply with the Code, determine the amount required to be rebated or otherwise paid to the Department of the Treasury of the United States of America with respect to each Series of Tax-exempt Bonds and thereafter (i) transfer from any of the Funds, Accounts and Subaccounts pledged or held under the Bond

Resolution, other than the Debt Service Subaccount, the Third Lien Obligation Subaccount and the Reimbursable Obligation Account and credit to the Rebate Subaccount an amount equal to all or a portion of such amount to be rebated with respect to such Series of Bonds and (ii) pay out of the Rebate Subaccount to the Department of the Treasury of the United States of America the amount, if any, required by the Code to be rebated or otherwise paid. Moneys in the Rebate Subaccount and the Subaccounts therein are not available for the benefit of the Holders of the Bonds and are not pledged to the payment of the Bonds or the interest thereon.

If and to the extent necessary to comply with any covenant established in a Series Resolution authorizing a Series of Bonds or in a Series Certificate relating to such Series of Bonds regarding maintaining the exclusion of interest on Tax-exempt Bonds from gross income for Federal income taxation purposes, the City and County may establish a Subaccount in the Rebate Subaccount with respect to such Series of Bonds or provide for the establishment such Subaccount in such Series Resolution or in such Series Certificate.

*Third Lien Obligation Subaccount.* The City and County must at all times maintain in the Third Lien Obligation Subaccount an amount equal to the Third Lien Obligation Requirement. Moneys on deposit in the Third Lien Obligation Subaccount will be applied by the City and County solely in accordance with the provisions of, and subject to the priorities and limitations and restrictions provided in the Bond Resolution, indenture or other instrument of the City and County securing or evidencing such Third Lien Obligations. Any moneys credited to the Third Lien Obligation Subaccount are immediately free and clear of the lien and pledge created by the Bond Resolution.

#### **Purposes of the Various Subaccounts Outside Subordinate Obligation Account**

*Sewer Fund - Rate Stabilization Account.* The amount of moneys and Investment Securities to be maintained from time to time in the Rate Stabilization Account is to be provided for in the Annual Budget. Moneys and Investment Securities may be transferred to the Rate Stabilization Account as provided in the Annual Budget from (i) the Sewer Fund in the order of priority provided in the Bond Resolution, or (ii) the Wastewater General Account as provided in the Bond Resolution. Moneys and Investment Securities credited to the Rate Stabilization Account are to be transferred to the Sewer Fund at the times and in the amounts as may be provided in the Annual Budget for the purposes of stabilizing the rates and charges of the Wastewater System.

*Sewer Fund - Renewal and Replacement Account.* Moneys on credit to the Renewal and Replacement Account may be applied to the cost of the construction of improvements to or reconstruction of the Wastewater System, emergency repairs of the Wastewater System, and major or extraordinary repairs, renewals or replacements of the Wastewater System, in each case to be set forth in the Annual Budget; (i) to restore or prevent physical damage to the Wastewater System or any part thereof; (ii) for the safe and efficient operation of the Wastewater System; or (iii) to prevent loss of Revenues.

If on the day preceding any interest payment date the moneys in the Debt Service Subaccount after making the transfer from the Common Reserve Subaccount as provided for in the Bond Resolution and from the Wastewater General Account as provided for in the First Bond Resolution, are insufficient to pay the interest, principal and redemption price becoming due on the Bonds, the City and County, after making all transfer required by the First Bond Resolution, must transfer from the Renewal and Replacement Account for credit to the Debt Service Subaccount the amount necessary (or all the moneys in such Account if less than the amount necessary) to satisfy such deficiency.

If on each January 1 and July 1 the moneys, Investment Securities and the amount of Support Facilities in the Common Reserve Subaccount are less than the Common Reserve Subaccount Requirement, and the transfer referred to in the preceding paragraph has been made, the City and County, after making all transfers required by the First Bond Resolution, must transfer from the Renewal and Replacement Account for credit to the Common Reserve Subaccount the amount necessary (or all the moneys in such Account if less than the amount necessary) to satisfy such deficiency.

*Sewer Fund - Reimbursable Obligation Account.* The City and County must at all times maintain in the Reimbursable Obligation Account an amount equal to the Reimbursable Obligation Requirement. Moneys on deposit in the Reimbursable Obligation Account will be applied by the City and County solely to reimburse the

General Fund of the City and County for payment of debt service due on Reimbursable Obligations issued or to be issued by the City and County with respect to the Wastewater System. Any moneys deposited in the Reimbursable Obligation Account are immediately free and clear of the lien and pledge created by the Bond Resolution.

*Sewer Fund - Wastewater General Account.* The City and County, after making all transfers required by the First Bond Resolution, must transfer from the Wastewater General Account to the Debt Service Subaccount, the Common Reserve Subaccount and each Separate Series Reserve Subaccount the amount necessary (or all the moneys in the Wastewater General Account if less than the amount necessary) to satisfy any deficiencies in such subaccounts required by the Bond Resolution.

Amounts in the Wastewater General Account not required to meet a deficiency referred to in the preceding paragraph or other deficiency as provided in the First Bond Resolution may be applied to the following purposes in the following order of priority:

- (1) the Costs of Improvements, or the provision of one or more reserves therefor;
- (2) for transfer to the Rate Stabilization Account in the Sewer Fund such amounts as may be provided in the Annual Budget for the purpose of stabilizing rates and charges;
- (3) the purchase at such price or prices as the City and County may deem advisable or redemption of any Bonds and expenses of such purchase or redemption at any time; and
- (4) for any other lawful purpose of the City and County.

*Sewer Revenue Bond Improvement Fund - Improvement Second Account.* As soon as practicable on the date of delivery of the Bonds of a Series, the amount required pursuant to the Series Resolution or Series Certificate will be deposited in the Improvement Fund for credit to the Improvement Second Account. In addition, the City and County will deposit in the Improvement Fund for credit to the Improvement Second Account such moneys other than proceeds of the Bonds as the City and County may determine to be proper or appropriate to pay the Costs of Improvements.

The Series Resolution authorizing the issuance of any Series of Bonds (exclusive of Refunding Bonds) may create and establish one or more separate special series improvement subaccounts (a "Series Improvement Second Subaccount") in the Improvement Second Account, with such designation as may be appropriate. In the event any interest on such Bonds is to be capitalized from the proceeds of such Bonds, a special series subaccount must be created in the Improvement Second Account (a "Series Improvement Interest Subaccount") with such designation as may be appropriate.

Moneys, including proceeds of the Bonds of a Series, which are credited to a Series Improvement Subaccount are to be applied to the payment of the Costs as are specified in the applicable Series Resolution or Series Certificate. Any balance remaining in such Series Improvement Second Subaccount upon completion of payment of such Costs may be used for any lawful purpose of the City and County; *provided* that the City and County has obtained an Opinion of Counsel that any such application will not impair the exemption from Federal income taxation of interest on any of the Tax-exempt Bonds.

Moneys credited to a Series Improvement Second Interest Subaccount are to be used for the purpose of paying interest on the Bonds of designated Series. On or before the 5th day preceding the end of the month next preceding the maturity of an installment of interest on the Bonds for the payment of which moneys have been credited to such Series Improvement Second Interest Subaccount, the City and County must transfer from a Series Improvement Second Interest Subaccount to the Debt Service Subaccount an amount which, together with any moneys theretofore held in the Debt Service Subaccount, are sufficient to pay such next maturing installment of interest on such Bonds.

Payments from the Improvement Second Account are to be made as specified in the Series Resolution authorizing the issuance of a Series of Bonds or a Series Certificate related to a Series of Bonds.

Moneys, including proceeds of the Bonds, in the Improvement Second Account, pending their application as provided in the Bond Resolution and Series Resolution and Series Certificate, are subject to a prior and paramount lien and charge in favor of the Holders of the Bonds, and the Holders of the Bonds have a valid claim on such moneys for the further security of the Bonds until paid out or transferred as provided in the Bond Resolution. In the event that there is an insufficiency in the Debt Service Subaccount to pay Debt Service after all transfers, other than a transfer from the Wastewater System Facility Charge Account, have been made pursuant to and in accordance with the Bond Resolution, the City and County must transfer from the Improvement Second Account such amount (or all remaining amounts in such Improvement Second Account) as is deemed necessary by the Director of Budget and Fiscal Services for deposit in the Debt Service Subaccount, which, together with the amounts then on credit to the Debt Service Subaccount, is sufficient to pay Debt Service.

*Sewer Fund - Wastewater System Facility Charge Account.* In the event that there is an insufficiency in the Debt Service Subaccount to pay Debt Service after all transfers have been made pursuant to and in accordance with the First Bond Resolution and the Bond Resolution, the City and County must transfer from the Wastewater System Facility Charge Account such amount (or all remaining amounts in the Wastewater System Facility Charge Account) as is deemed necessary by the Director of Budget and Fiscal Services for deposit in the Debt Service Subaccount, which, together with the amounts then on deposit in the Debt Service Subaccount, is sufficient to pay Debt Service. The amount of any such transfer must at the earliest practicable date be reimbursed to the Wastewater System Facility Charge Account as provided in the Bond Resolution.

Amounts held in the Wastewater System Facility Charge Account are to be expended for the purposes specified in Section 6-47.1 of the City Code.

#### **Investment of Funds**

Moneys in the Debt Service Subaccount may, to the fullest extent practicable and reasonable, be invested and reinvested solely in noncallable Investment Securities which are Government Obligations, FNMA's or FHLMC's (as such terms are defined in the definition of Investment Securities) and which mature or are subject to redemption at the option of the holder thereof on or prior to the respective dates when the moneys in Debt Service Subaccount will be required for the purposes intended. Moneys in the Common Reserve Subaccount or any Separate Series Reserve Subaccount not required for immediate disbursement for the purpose for which the Common Reserve Subaccount or such Separate Series Reserve Subaccount is created may, to the fullest extent practicable and reasonable, be invested and reinvested solely in, and obligations credited to the Common Reserve Subaccount or such Separate Series Reserve Subaccount must be, investments specified in items (i) to (vi), inclusive, of the definition of Investment Securities and which mature or are available at par at or prior to five (5) years from the date of investment thereof.

Moneys in the Sewer Fund not required for immediate disbursement for the purpose for which such Fund is created may, to the fullest extent practicable and reasonable, be invested and reinvested, to the extent allowed by law, solely in, and obligations deposited in such Fund will be, Investment Securities which mature or are subject to redemption or payment at par at the option of the holder thereof, not later than such times as will be necessary to provide moneys when needed to provide payments from such Fund.

Moneys in the Improvement Second Account, other than a Series Improvement Second Interest Subaccount therein, not required for immediate disbursement for the purposes for which such Account is created may, to the fullest extent practicable and reasonable, be invested and reinvested to the extent allowed by law, solely in, and obligations deposited in such Account will be, Investment Securities which mature or are subject to redemption or payment at par at the option of the holder thereof not later than such times as shall be necessary to provide moneys when needed to provide payments from such Account.

Moneys in a Series Improvement Second Interest Subaccount in the Improvement Second Account not required for immediate disbursement for the purposes for which such Account is created may, to the fullest extent practicable and reasonable, be invested and reinvested to the extent allowed by law, solely in, and obligations deposited in such Account shall be, noncallable Investment Securities which are Government Obligations, FNMA's or FHLMC's (as such terms are defined in the definition of Investment Securities) that mature or are subject to redemption at the option of the holder thereof not later than such times as shall be necessary to provide moneys when needed to provide payments from such Account.

To the extent permitted in the Bond Resolution, all income received from the investment or reinvestment of moneys in the Funds, Accounts and Subaccounts established under the Bond Resolution will be deposited in the respective Fund, Account and Subaccount from which such investments are made and applied as a credit against the next succeeding deposit or credit required to be made pursuant to the Bond Resolution; provided however, that except as to the Third Lien Obligation Subaccount and the Reimbursable Obligation Account, all or a portion of the income received from the investment or reinvestment of moneys in any such Fund, Account and Subaccount may be deposited in the Sewer Fund or the Improvement Second Account, including a Series Improvement Second Interest Subaccount therein; and *provided, further, however*, that all income received from the investment or reinvestment of moneys in any Series Improvement Second Interest Subaccount must be deposited in the Debt Service Subaccount.

Neither the Director of Budget and Fiscal Services nor any Paying Agent shall be liable for any depreciation in value of any investments made by the City and County.

### **Valuation of Investment Securities**

In computing the amount in any Fund, Account or Subaccount, Investment Securities therein are to be valued at cost or accreted value, whichever is lower, exclusive of accrued interest. The City and County is to determine the value of Investment Securities held in any Fund, Account or Subaccount as frequently as it deems necessary, but not less often than annually.

### **Depositaries**

All moneys held by the City and County or any Depositary under the provisions of the Bond Resolution are to be held in trust and applied only in accordance with the provisions of the Bond Resolution, and each of the Funds, Accounts and Subaccounts established by the Bond Resolution shall be a trust fund.

Each Depositary must be a bank or trust company organized under the laws of any state of the United States or a national banking association having capital stock, surplus and undivided earnings of \$5,000,000 or more and willing and able to accept such office on reasonable and customary terms and authorized by law to act in accordance with the provisions of the Bond Resolution.

### **Concerning Depositaries and Paying Agents**

*Qualifications and Appointment.* The Director of Budget and Fiscal Services may appoint one or more Paying Agents and Depositaries as of the date of issuance and delivery of the first Series of Bonds and may at any time or from time to time appoint one or more other Paying Agents or other Depositaries having the qualifications of a depositary, as described in the Bond Resolution; provided however, the Director of Budget and Fiscal Services may be designated Paying Agent and/or Depositary. Each Paying Agent, other than the Director of Budget and Fiscal Services, and each Depositary, other than the Director of Budget and Fiscal Services, shall signify its acceptance of the duties and obligations imposed upon it by the Bond Resolution by executing and delivering to the City and County and the Director of Budget and Fiscal Services a written acceptance thereof.

*Paying Agents and Depositaries May Buy, Hold, Sell or Deal in Bonds and Other Indebtedness of the City and County.* Each Paying Agent and each Depositary and its respective directors, officers, employees or agents, may in good faith buy, sell, own, hold and deal in any of the Bonds issued under the provisions of the Bond Resolution and may join any action which any Holder of a Bond may be entitled to take, with like effect as if such Paying Agent or Depositary were not a Paying Agent or any Depositary, as the case may be, under the Bond Resolution. Any Paying Agent or any Depositary may in good faith hold any other form of indebtedness of the City and County; own, accept or negotiate any drafts, bills of exchange, acceptances or obligations of the City and County, and make disbursements for the City and County and enter into any commercial or business arrangement therewith.

*Reimbursement of Paying Agents and Depositaries for Fees, Expenses and Charges.* Each Paying Agent and each Depositary shall be entitled to reasonable fees and to reimbursement by the City and County for all expenses and charges reasonably incurred by it in the performance of its duties under the Bond Resolution. No Paying Agent nor Depositary shall have a lien for such fees and reimbursement on the moneys pledged to secure the

Bonds under the Bond Resolution at any time held by it, prior to the lien or claim of the Holders of the Bonds on all such moneys.

## **Covenants**

The City and County has covenanted and agreed in the Bond Resolution with the Holders of all Bonds issued pursuant to the Bond Resolution as follows:

*Maintenance of the Properties of the Wastewater System; Keeping the System in Good Repair.* The Department will: (i) maintain, preserve and keep, or cause to be maintained, preserved and kept, the properties of the Wastewater System and all additions and betterments thereto and extensions thereof, and every part and parcel thereof in good repair, working order and condition, (ii) from time to time make, or cause to be made, all necessary and proper repairs, renewals, replacements, additions, extensions and betterments thereto, so that at all times the business carried on in connection therewith shall properly and advantageously be conducted, and (iii) comply, or cause to be complied with the terms and conditions of any permit or license for the Wastewater System or any part thereof issued by any federal or state governmental agency or body and with any federal or state law or regulation applicable to the construction, operation, maintenance and repair of the Wastewater System or requiring a license, permit or approval therefor.

*Rates and Charges.* The City and County will at all times fix, charge and collect such rates and other charges as shall be required in order that in each Fiscal Year the Net Revenues will be not less than the Net Revenue Requirement for such Fiscal Year ("Rate Covenant"). The failure in any Fiscal Year to comply with the foregoing Rate Covenant does not constitute an Event of Default if the City and County complies with requirements described in the next paragraph.

Prior to the end of each Fiscal Year the Director of Environmental Services or the Director of Budget and Fiscal Services if requested by the Director of Environmental Services must complete a review of the financial condition of the Department for the purpose of estimating whether the Net Revenues for such Fiscal Year and for the next succeeding Fiscal Year will be sufficient to comply with the Rate Covenant and must by a written certificate make a determination with respect to such compliance. Such review may take into consideration the completion of any uncompleted Improvement and the issuance of future Series of Bonds if necessary to finance the completion of such Improvements. Such written certificate must set forth a reasonably detailed statement of the actual and estimated Revenues, Operation and Maintenance Expenses, Aggregate Debt Service, and any other estimates or assumptions upon which such determination was based, and must be filed with the City Clerk on or before July 1 in each year. If it is determined in such written certificate that the Revenues may not be so sufficient, the Director of Environmental Services or the Director of Budget and Fiscal Services if requested by the Director of Environmental Services must forthwith make a study for the purpose of determining a schedule of fees, rates and charges which, in the opinion of the Director of Environmental Services or the Director of Budget and Fiscal Services, will cause sufficient Revenues to be collected in the following Fiscal Year to comply with the Rate Covenant and will cause additional Revenues to be collected in such following and later Fiscal Years sufficient to eliminate the amount of any deficiency at the earliest practicable time, or the Director of Environmental Services or the Director of Budget and Fiscal Services may elect to cause the Consulting Engineer to make such a study and render such opinion. The City Council shall as promptly as practicable but no later than the 120 days following such determination by the Director of Environmental Services or the Director of Budget and Fiscal Services, or receipt of the Consulting Engineer's recommendation, adopt and place in effect a schedule of fees, rates and charges as so determined or recommended pursuant to the Bond Resolution.

*Sale, Lease or Other Disposition of Properties of the Wastewater System.* The properties of the Wastewater System may not be sold, mortgaged, leased or otherwise disposed of except as described below.

The properties of the Wastewater System may be sold, leased, or otherwise disposed of in their entirety if simultaneously with such sale, lease or other disposition thereof provision is made for the payment of all Bonds then Outstanding and such Bonds are no longer deemed Outstanding within the meaning of the Bond Resolution.

Any portion of the properties of the Wastewater System may be sold, leased, or otherwise disposed of on such terms and conditions as may be determined by the City and County if the value of such portion of the properties as of the date of such sale, lease or disposition does not exceed five percent (5%) of the net book assets of

the Wastewater System as of the last day of the preceding Fiscal Year as shown in the most recent audited financial statements of the Department. Any part of the properties of the Wastewater System having a value as of the date of the sale, lease or disposition which exceeds 5% of the net book assets of the Wastewater System as of the last day of the preceding Fiscal Year as shown in the most recent audited financial statements of the Department may be sold, leased, or otherwise disposed of if the Consulting Engineer certifies to the City and County in writing that the terms and conditions of the proposed sale, lease or other disposition of any such properties are fair and reasonable, and that the estimated Revenues to be derived from the remaining properties of the Wastewater System, after taking into consideration the use by the Department of the proceeds of such proposed sale, lease or other disposition of such properties, will be sufficient to enable the City and County to comply with all covenants and conditions of the Bond Resolution. Proceeds of any sale, lease or other disposition of any portion of the properties of the Wastewater System pursuant to this provision are to be paid first into the Debt Service Account created by the First Bond Resolution and applied to the purchase or redemption of bonds thereunder, second into the Debt Service Subaccount and applied to the purchase or redemption of Bonds, and third into the Sewer Fund and applied by the City and County for the purpose of constructing extensions, betterments or improvements to the Wastewater System as the City and County may determine.

Surplus lands, crops, timber, buildings and any other portion of the works, plant and facilities of the Wastewater System and real and personal property comprising a part thereof, which, in the opinion of the Director of Environmental Services, have become unserviceable, inadequate, obsolete, worn out, or unfit to be used in the operation of the Wastewater System, or no longer necessary, material to, or useful in such operation may be sold, leased, or otherwise disposed of. Proceeds of any such sale, lease or other disposition of any portion of the properties of the Wastewater System pursuant to this provision are to be paid into the Sewer Fund.

If permitted by the laws of the State, the City and County may transfer without consideration the properties comprising the Wastewater System to a public corporation or political subdivision of the State, provided such corporation or subdivision assumes all of the City and County's or the Department's obligations and duties under the Bond Resolution.

In the event that any part of the properties of the Wastewater System is transferred from the City and County through the operation of law (including condemnation), any moneys received by the City and County as a result of such transfer are to be paid: (i) if such proceeds are not in excess of \$250,000, into the Sewer Fund; or (ii) if such proceeds are in excess of \$250,000: (a) into the Debt Service Account created by the First Bond Resolution and applied to the purchase or redemption of bonds issued thereunder; (b) in the Debt Service Subaccount and applied to the purchase or redemption of Bonds; or (c) into the Renewal and Replacement Account and applied by the City and County for the purpose of constructing replacements, extensions, betterments or improvements to the Wastewater System, as the City and County shall determine.

*Insurance.* Except as provided for in the next paragraph, the Department must keep, or cause to be kept, the works, plants and facilities comprising the properties of the Wastewater System and the operations thereof insured to the extent available at reasonable at reasonable cost with responsible insurers, with policies payable to the City and County or the Department, against risks of direct physical loss, damage to or destruction of the above-ground structures, and the equipment and contents therein, of the Wastewater System arising from accidents, casualties or negligence, and other causes customarily insured against, at least to the extent that similar insurance is usually carried by utilities operating like properties, including liability insurance and workman's compensation insurance; provided, however, that any time while any contractor engaged in constructing any part of the Wastewater System is fully responsible for such insurance, the Department is not required to keep such part of the Wastewater System insured. All policies of insurance shall be for the benefit of the Holders of the Bonds and the City and County or the Department as their respective interests may appear.

In the event of any loss or damage to the properties of the Wastewater System covered by insurance, the Department will: (i) with respect to each such loss, promptly repair and reconstruct to the extent necessary to the proper conduct of the operations of the Wastewater System the lost or damaged portion thereof and shall apply the proceeds of any insurance policy or policies covering such loss or damage for that purpose to the extent required therefor, unless, in case of loss or damage involving \$250,000 or more, the Department determines that such repair and reconstruction will not be undertaken; and (ii) if the Department does not use the entire proceeds of such insurance to repair or reconstruct such lost or damaged property, the proceeds of such insurance policy or policies or

any portion thereof not used for such repair or reconstruction, as the case may be, are to be paid into the Sewer Fund. If the Department does not obtain insurance from responsible insurers as provided for in the Bond Resolution, the City and County or the Department must self-insure; provided, however, that if the Department fails to carry insurance against any of the risks normally insured against by operators of facilities similar to the Wastewater System, it must secure the concurrence of an independent insurance consultant. In making its decision whether to concur in such self-insurance, the independent insurance consultant must (i) make an estimate of the added financial risks, if any, assumed by the Department as a result of the self-insurance; (ii) consider the availability of commercial insurance, the terms upon which such insurance is available and the costs of such available insurance, and the effect of such terms and costs upon the Department's costs and charges for its services; and (iii) determine whether the added financial risk, if any, being assumed by the Department is prudent in light of the savings to be realized from such self-insurance or in light of the general availability of insurance.

The Department may include insurance required by the Bond Resolution as part of a blanket insurance policy of the City and County.

*Consulting Engineer.* The City Council, the Director of Environmental Services or the Director of Budget and Fiscal Services may from time to time retain and appoint, as Consulting Engineer, an independent consulting engineer or engineering firm or corporation having special skill, knowledge and experience in analyzing the operations of wastewater systems, preparing rate analyses, forecasting the loads and revenues of wastewater systems, preparing feasibility reports respecting the financing of wastewater systems and advising on the operation of wastewater facilities, who shall be available to advise the Department, upon request, and to make such investigations and determinations as may be necessary from time to time under the provisions of the Bond Resolution.

*Books of Account; Annual Audit.* The Department will maintain and keep proper books of account relating to the Wastewater System and in accordance with generally accepted accounting principles. Within 180 days after the end of each Fiscal Year commencing with the Fiscal Year ending June 30, 2000, the Department will cause such books of account to be audited by an independent certified public accountant. The audit required by the Bond Resolution may be part of a comprehensive audit of the City and County, *provided* that the Wastewater System in such audit is treated as an "enterprise fund" and the revenues and expenses of the Wastewater System are stated in a manner which permits identification by category of the sources and uses of the Revenues. A copy of each audit report prepared in conformity with generally accepted accounting principles must be filed promptly with the City and County and sent to any Bondholder filing with the Director of Environmental Services a written request for a copy thereof. and to any Rating Agency which has rated any Bonds.

*To Pay Bonds Punctually.* The City and County will duly and punctually pay, or cause to be paid, but only from the Revenues, income and other funds specified in the Bond Resolution, the principal and Redemption Price (if any) of, and interest on, each and every Bond on the dates and at the places, and in the manner provided in the Bonds according to the true intent and meaning thereof, and the City and County will faithfully do and perform and at all times fully observe and keep any and all of its covenants, undertakings, stipulations and provisions contained in the Bonds and in the Bond Resolution.

*Payment of Taxes and Other Claims.* The Department must from time to time duly pay and discharge, or cause to be paid and discharged, all taxes, assessments and other governmental charges, or payments in lieu thereof, lawfully imposed upon the properties of the Wastewater System (or any part thereof) or upon the Net Revenues or income received therefrom when the same become due, as well as all lawful claims for labor, material and supplies, which, if not paid, might become a lien or charge upon said properties or any part thereof, or upon the Revenues derived from the ownership or operation of the Wastewater System, or which might in any way impair the security of the Bonds, except any such assessments, charges or claims which the Department in good faith contests as to validity.

*Extension of Payment of Bonds.* The City and County will not, directly or indirectly, extend or assent to the extension of the maturity of any of the Bonds or the time of payment of any claims for interest by the purchase of such Bonds, coupons, if any, or claims for interest or by any other arrangement and in case the maturity of any of the Bonds or the time for payment of any such claims for interest is extended, such Bonds or claims for interest will not be entitled, in case of any default under the Bond Resolution, to the benefit of the Bond Resolution or to any

payment out of any assets of the City and County or the funds (except funds held in trust for the payment of particular Bonds or claims for interest pursuant to the Bond Resolution) held by the Paying Agents, except subject to the prior payment of the principal of all Bonds issued and Outstanding the maturity of which has not been extended and of such portion of the accrued interest on the Bonds as shall not be represented by such extended claims for interest.

*Sound Improvements and Extensions.* The Department will not expend any of the income, revenues, receipts, profits and other moneys derived by it from the ownership or operation of the Wastewater System for any renewals, replacements, additions, betterments and improvements to, or extensions of, the Wastewater System which, in the sole opinion of the Director of Environmental Services, will not properly and advantageously contribute to the conduct of the business of the Wastewater System in an efficient and economical manner unless required to do so to permit the continued operation of the Wastewater System or to preserve or protect the Wastewater System.

*Annual Budget.* Not later than May 31 before the beginning of any Fiscal Year the City and County or the Department will prepare a preliminary budget of Operation and Maintenance Expenses of the Wastewater System and reserves therefor for the ensuing Fiscal Year. Each such budget and each Annual Budget will include, in addition to provisions for all anticipated Operation and Maintenance Expenses, provision for the payments required to be made to the Renewal and Replacement Account, provided that such payments shall in the aggregate at least equal the amount described below. Such preliminary budget and any Annual Budget may set forth such additional material as the City and County or the Department may determine.

Except as described below, on or before the 15th day of each such Fiscal Year, the City and County must finally adopt the Annual Budget for such year. The City and County may at any time adopt an amended Annual Budget for the remainder of the then current Fiscal Year. Copies of the Annual Budget and of any amended Annual Budget are to be made available for inspection by the Bondholders and are to be sent to each Rating Agency.

If for any reason the City and County does not adopt the Annual Budget before the 15th day of any Fiscal Year, the budget for the preceding Fiscal Year is deemed to be in effect for such Fiscal Year until the Annual Budget for such Fiscal Year is adopted. For any purpose of computation under the provisions of the Bond Resolution, the budget for the preceding year is deemed to have been adopted for any Fiscal Year until the Annual Budget for such year is adopted.

Every preliminary budget, Annual Budget and amended Annual Budget must: (i) set forth in reasonable detail amounts required for repair, replacement or reconstruction of the Wastewater System and major or extraordinary repairs, renewals or replacements of the Wastewater System, if any, for the period to be covered by such budget; (ii) specify the amounts to be deposited in the Renewal and Replacement Account, the Subordinate Obligation Account (including the Third Lien Obligation Subaccount therein), the Reimbursable Obligation Account and the Wastewater General Account, and the amounts to be maintained in the Sewer Fund for working capital and operating reserves and in the Rate Stabilization Account for rate stabilization purposes, if any, for such purposes for such period, (iii) specify the amounts to be transferred from the Wastewater General Account to the Rate Stabilization Account and to other Funds and Accounts; and (iv) project the amounts required for such purposes for the next five Fiscal Years in such format as the Director of Environmental Services may determine. A copy of each such report is to be filed and maintained in the records of the City and County.

## **Events of Default**

Each of the following events constitutes an Event of Default under the Bond Resolution:

- (a) if payment of the principal and Redemption Price, if any, of any Bond, is not punctually made when due and payable, whether at the stated maturity thereof or upon proceedings for the redemption thereof (whether by voluntary redemption or a mandatory sinking fund redemption or otherwise);
- (b) if payment of the interest on any Bond is not punctually made when due;

- (c) if the provisions of any Series Resolution with respect to mandatory Sinking Fund Installment payments or the redemption of Term Bonds therefrom, as the case may be, are not punctually complied with at the time and in the manner specified in such Series Resolution;
- (d) if the City and County or the Department fails to duly and punctually perform or observe any other of the covenants, agreements or conditions contained in the Bond Resolution or in the Bonds, on the part of the City and County or the Department to be performed, and such failure continues for 90 days after written notice thereof from the Holders of not less than 20% of the Bonds then Outstanding; provided that, if such failure is such that it cannot be corrected within such 90-day period, it will not constitute an Event of Default if corrective action is instituted within such period and diligently pursued until the failure is corrected;
- (e) if the City and County: (i) admits in writing its inability to pay its debts generally as they become due; or (ii) files a petition in bankruptcy or seeking a composition of indebtedness under the provisions of any Federal or state bankruptcy or similar law; or (iii) makes an assignment for the benefit of its creditors; or (iv) files a petition or any answer seeking relief under the provisions of any Federal or state bankruptcy or similar law; or (v) consents to the appointment of a receiver of the whole or any substantial part of the Wastewater System; or (vi) consents to the assumption by any court of competent jurisdiction under the provisions of any other law for the relief or aid of debtors of custody or control of the City and County or the Department, or of the whole or any substantial part of the Wastewater System; and
- (f) if a default occurs under the First Bond Resolution.

#### **Notice to Bondholders of Event of Default**

Immediately after the occurrence of an Event of Default or within 30 days after any Paying Agent knows of any other Event of Default, the Paying Agent or Paying Agents shall give notice of all such Events of Default to the Bondholders, all other Paying Agents and Support Facility Providers, and each Rating Agency, in the manner as provided for in the Bond Resolution, unless such Events of Default shall have been cured before the giving of such notice.

#### **Acceleration of Bonds; Rights of Insurers**

If an Event of Default shall happen and shall not have been remedied, then and in every such case the Holders of not less than 25% in principal amount of the Bonds then Outstanding, by notice in writing to the City and County and the Director of Budget and Fiscal Services, may declare the principal of all the Bonds then Outstanding, and the interest accrued thereon, to be due and payable immediately, and upon any such declaration the same shall become and be immediately due and payable. The right of the Holders of not less than 25% in principal amount of the Bonds then Outstanding to make any such declaration, however, shall be subject to the condition that if, at any time after such declaration, but before the Bonds shall have matured by their terms, all overdue installments of interest upon the Bonds, together with interest on such overdue installments of interest to the extent permitted by law and all other sums then payable by the City and County under the Bond Resolution (except the principal of, and interest accrued since the next preceding interest date on, the Bonds due and payable solely by virtue of such declaration) shall either be paid by or for the account of the City and County or provision satisfactory to the Holders of a majority in principal amount of the Bonds then Outstanding shall be made for such payment, and all defaults under the Bonds or under the Bond Resolution (other than the payment of principal and interest due and payable solely by reason of such declaration) shall be cured or be secured to the satisfaction of the Holders of a majority in principal amount of the Bonds then Outstanding or provision deemed by such Holders of the Bonds to be adequate shall be made therefor, then and in every such case the Holders of at least a majority in principal amount of the Bonds then Outstanding, by written notice to the City and County, may rescind such declaration and annul such default in its entirety, but no such rescission shall extend to or affect any subsequent default or impair or exhaust any resulting right or power.

The bond insurers for all Outstanding Bonds and for the Series 2003 Bonds have certain consent rights in connection with any default which may constrain the rights of the Holders described above.

## **Inspection of Books and Records; the City and County to Account as Trustee for Express Trust**

The City and County covenants that if an Event of Default shall have happened and shall not have been remedied, the books of record and account of the Department relating to the Wastewater System and all other records relating thereto shall at all times be subject to the inspection and use of the Holders of at least 25% in principal amount of the Bonds then Outstanding and of their respective agents and attorneys or of any committee therefor.

The City and County covenants that if an Event of Default shall have happened and shall not have been remedied, the City and County will continue to account, as a trustee of an express trust, for all Revenues and other moneys, securities and funds pledged under the Bond Resolution.

## **Application of Revenues in an Event of Default**

During the continuance of an Event of Default as described in items (a) through (c) of the Events of Default described above or of any other Event of Default resulting in an Event of Default described in items (a) through (c) of the Events of Default described above, the Revenues received by a receiver appointed pursuant to the Bond Resolution as the result of the taking of possession of the business and properties of the Wastewater System, are to be applied by the receiver: first, to the payment of all necessary and proper Operation and Maintenance Expenses of the Wastewater System and all other proper disbursements or liabilities made or incurred by the receiver; second, to the then due and overdue payments into the Debt Service Subaccount, including the making up of deficiencies therein; and last, for any lawful purpose in connection with the Wastewater System.

In the event that at any time the funds held by the receiver are insufficient for the payment of the principal and Redemption Price (if any) of, and interest then due on, the Bonds, such funds (other than funds held for the payment or redemption of particular Bonds or coupons) and all Revenues of the Department and other of its moneys received or collected for the benefit or for the account of Holders of the Bonds by the receiver are to be applied as follows:

- (1) Unless the principal of all of the Bonds shall have become due and payable,

First, to the payment of all necessary and proper Operation and Maintenance Expenses of the Wastewater System and all other proper disbursements or liabilities made or incurred by the receiver;

Second, to the payment to the persons entitled thereto of all installments of interest then due (including any interest on overdue principal) in the order of the maturity of such installments, earliest maturities first, and if the amounts available shall not be sufficient to pay in full any installment or installments of interest maturing on the same date, then to the payment thereof ratably, according to the amount due thereon, to the persons entitled thereto, without any discrimination or preference; and

Third, to the payment to the persons entitled thereto of the principal and premium, if any, due and unpaid upon the Bonds at the time of such payment without preference or priority of any Bond over any other Bonds, ratably, according to the amounts due respectively for principal and redemption premium, without any discrimination or preference.

- (2) If the principal of all of the Bonds shall have become due and payable,

First, to the payment of all necessary and proper Operation and Maintenance Expenses of the Wastewater System and all other proper disbursements or liabilities made or incurred by the receiver;

Second, to the payment of the principal and interest then due and unpaid upon the Bonds without preference or priority of principal over interest or of interest over principal, or of any installment of interest over any other installment of interest, or of any Bond over any other Bonds,

ratably, according to the amounts due respectively for principal and interest, to the persons entitled thereto without any discrimination or preference.

Whenever moneys are to be applied as described in the foregoing paragraphs, such moneys shall be applied by the receiver at such times, and from time to time, as it in its sole discretion shall determine, having due regard to the amount of such moneys available for application and the likelihood of additional moneys becoming available for such application in the future.

If and whenever all overdue installments of interest on all Bonds, together with the reasonable and proper charges, expenses, and liabilities of the Holders of the Bonds, their respective agents and attorneys, and all other sums payable by the City and County under the Bond Resolution including the principal and Redemption Price (if any) of all Bonds which shall then be payable, shall either be paid in full by or for the account of the City and County or provision satisfactory to the receiver shall be made for such payment, and all defaults under the Bond Resolution or the Bonds shall be made good and secured to the satisfaction of the receiver or provision deemed by the receiver to be adequate therefor, the receiver shall pay over to the Department all of its moneys, securities, funds and Revenues then remaining unexpended in the hands of the Bondholders' Committee (except moneys, securities, funds or Revenues deposited or pledged, or required by the terms of the Bond Resolution to be deposited or pledged, with the Director of Budget and Fiscal Services), control of the business and possession of the property of the Department shall be restored to the Department, and thereupon the City and County shall be restored to its former positions and rights under the Bond Resolution, and all Revenues shall thereafter be applied as provided for in the Bond Resolution. No such payment over to the Department by the receiver or resumption of this application of Revenues as provided in the Bond Resolution, shall extend to or affect any subsequent default under the Bond Resolution or impair any right consequent thereon.

#### **Suits at Law or Equity and Mandamus and Appointment of a Receiver**

If an Event of Default shall happen and shall not have been remedied, then and in every such case, but subject to the provisions, limitations and conditions as set forth in the Bond Resolution, the Holder of any Bond at the time Outstanding shall be entitled, for the equal benefit and protection of all Holders of the Bonds similarly situated to proceed, protect and enforce the rights vested in such Holder by the Bond Resolution by such appropriate judicial proceeding as such Holder shall deem most effectual to protect and enforce any such right, either by suit in equity or by action of law, whether for the specific performance of any covenant or agreement contained in the Bond Resolution, or in aid of the exercise of any power granted in the Bond Resolution, or to enforce any other legal or equitable right vested in the Holders of Bonds by the Bond Resolution or by law; provided, however, that no judicial proceeding shall be brought seeking the appointment of a receiver to take possession of the Wastewater System or to manage, receive and apply the Revenues unless the Holders of not less than a majority in principal amount of the Bonds then Outstanding or a Bondholders' Committee representing the Holders of not less than a majority in principal amount of the Bonds then Outstanding shall have joined in or consented to such proceeding.

#### **Bondholders' Committee**

If an Event of Default shall happen and shall not have been remedied, the Holders of not less than 25% in principal amount of the Bonds then Outstanding may call a meeting of the Holders of Bonds for the purpose of electing a Bondholders' Committee. Such meeting shall be called and proceedings thereat shall be conducted as provided for other meetings of Bondholders pursuant to the Bond Resolution. At such meeting the Holders of not less than a majority of the principal amount of the Bonds then Outstanding must be present in person or by proxy in order to constitute a quorum for the transaction of business, less than a quorum, however, having power to adjourn from time to time without any notice other than that required by the Bond Resolution. A quorum being present at such meeting, the Bondholders present in person or by proxy may, by the votes cast by the Holders of a majority in principal amount of the Bonds so present in person or by proxy, elect one or more persons who may or may not be Bondholders to the Bondholders' Committee which shall act as trustee for all Bondholders. The Bondholders present in person or by proxy at said meeting, or at any adjourned meeting thereof, shall prescribe the manner in which the successors of the persons elected to the Bondholders' Committee at such Bondholders' meeting shall be elected or appointed, and may prescribe rules and regulations governing the exercise by the Bondholders' Committee of the power conferred upon it, and may provide for the termination of the existence of the Bondholders' Committee.

### **Bondholders May Direct Proceedings; Rights of Insurers**

The Holders of not less than a majority in principal amount of the Bonds at the time outstanding are authorized and empowered: (1) to direct the time, method, and place of conducting any proceeding for any remedy available to the holders of the Bonds; or (2) on behalf of the holders of the Bonds then outstanding, to consent to the waiver of any Event of Default or its consequences. No waiver or rescission shall extend to any subsequent or other default, or impair any right consequent thereon.

The bond insurers for all Outstanding Bonds and for the Series 2003 Bonds have certain consent rights in connection with any default which may constrain the rights of the Holders described above.

### **Abandonment of Proceedings; Adverse Determination**

No delay or omission of any Holder of Bonds to exercise any right or power arising upon the occurrence of a default under the Bond Resolution, including an Event of Default, shall impair any right or power or shall be construed to be a waiver of any such default or to be an acquiescence therein. Every power and remedy given by the Bond Resolution to the Holders of Bonds may be exercised from time to time and as often as may be deemed expedient by such Holders.

In case the Holders of the Bonds or a Bondholders' Committee formed pursuant to the Bond Resolution shall have proceeded to enforce any right under the Bond Resolution and such proceedings shall have been discontinued or abandoned for any reason, or shall have been determined adversely to the Holders of the Bonds or such Bondholders' Committee, then and in every such case the City and County, and the Holders of the Bonds shall be restored to their former positions and rights under the Bond Resolution, and all rights, remedies and powers of the Holders of the Bonds shall continue as if no such proceedings had been taken.

### **Remedies Subject to Rights of Holders of First Resolution Obligations**

The Bond Resolution expressly limits the right of holders of the Bonds as described below.

(A) In the event of any insolvency or bankruptcy proceedings, and any receivership, liquidation, reorganization or other similar proceedings in connection therewith, relative to the City and County or the Department, or to property of the City and County or the Department, and in the event of any proceedings for voluntary liquidation, dissolution or other winding up of the City and County or the department, the Holders of all First Resolution Obligations then outstanding shall be entitled to receive payment in full of all principal and interest on all such First Resolution Obligations before the holders of the Bonds are entitled to receive any payment from the trust estate under the First Bond Resolution consisting of the Net Revenues and funds held under the First Bond Resolution (hereinafter referred to as the "Trust Estate") on account of principal (and premium, if any) or interest on the Bonds.

(B) In the event that any issue of Bonds is declared due and payable before its expressed maturity because of the occurrence of an event of default (under circumstances when the provisions of (A) above shall not be applicable), the Holders of all First Resolution Obligations outstanding at the time such Bonds so become due and payable because of such occurrence of such an event of default shall be entitled to receive payment in full of all principal and interest on all such First Resolution Obligations before the holders of the Bonds are entitled to receive any accelerated payment from the Trust Estate of principal (and premium, if any) or interest on the Bonds.

(C) If any event of default with respect to the First Resolution Obligations shall have occurred and be continuing (under circumstances when the provisions of (A) above shall not be applicable), the Holders of all First Resolution Obligations then outstanding shall be entitled to receive payment in full of all principal and interest on all such First Resolution Obligations before the holders of the Bonds are entitled to receive any accelerated payment from the Trust Estate of principal (and premium, if any) or interest on the Bonds.

(D) No First Resolution Obligation holder shall be prejudiced in his right to enforce subordination of the Bonds by any act or failure to act on the part of the City and County.

(E) The provisions of (A), (B), (C) and (D) above are solely for the purpose of defining the relative rights of the First Resolution Obligation holders on the one hand, and the holders of Bonds on the other hand, and nothing in the Bond Resolution shall impair, as between the City and County and the owners of the Bonds, the obligation of the City and County to pay to the owners thereof the principal thereof and premium, if any, and interest thereon in accordance with its terms, nor shall anything therein prevent the holders of the Bonds from exercising all remedies otherwise permitted by applicable law or under the Bond Resolution upon default thereunder, subject to the rights under (A), (B), (C) and (D) above of the Holders of First Resolution Obligations to receive cash, property or securities otherwise payable or deliverable to the holders of the Bonds. Insofar as a trustee or paying agent for the Bonds is concerned, the foregoing provisions shall not prevent the application by such trustee or paying agent of any moneys deposited with such trustee or paying agent for the purpose of the payment of or on account of the principal (and premium, if any) and interest on such Bonds if such trustee or paying agent did not have knowledge at the time of such application that such payment was prohibited by the foregoing provisions.

### **Amending and Supplementing of Resolution; Rights of Insurers**

*Amending and Supplementing of Resolution Without Consent of Holders of Bonds.* The City and County, from time to time and at any time and without the consent or concurrence of any Holder of any Bond, may adopt a Series Resolution (i) for the purpose of providing for the issuance of Bonds pursuant to the provisions as set forth in the Bond Resolution; (ii) to make any changes, modifications, amendments or deletions to the Bond Resolution which may be required to permit the Bond Resolution to be qualified under the Trust Indenture Act of 1939 of the United States of America; or (iii) if the rights of the Holders of the Bonds then Outstanding shall not be materially adversely affected thereby, a Supplemental Resolution (herein defined and referred to as a “Supplemental Resolution”) for any one or more of the following purposes:

1. to make any changes or corrections in the Bond Resolution as to which the City and County shall have been advised by counsel that the same are verbal corrections or changes or are required for the purpose of curing or correcting any ambiguity or defective or inconsistent provision or omission or mistake or manifest error contained in the Bond Resolution, or to insert in the Bond Resolution such provisions clarifying matters or questions arising under the Bond Resolution as are necessary or desirable;
2. to add additional covenants and agreements of the City and County for the purpose of further securing the payment of the Bonds;
3. to surrender any right, power or privilege reserved to or conferred upon the City and County by the terms of the Bond Resolution;
4. to confirm as further assurance any lien, pledge or charge, or the subjection to any lien, pledge, or charge, created or to be created by the provisions of the Bond Resolution;
5. to grant to or to confer upon the Holders of the Bonds any additional rights, remedies, powers, authority or security that lawfully may be granted to or conferred upon them; and
6. to modify in any other respect any of the provisions of the Bond Resolution.

Except for Series Resolutions authorizing the issuance of Bonds pursuant to the Bond Resolution, the City and County shall not adopt any Supplemental Resolution authorized by the foregoing provisions of the Bond Resolution unless in the Opinion of Counsel the adoption of such Supplemental Resolution is permitted by the Bond Resolution and the provisions of such Supplemental Resolution do not materially adversely affect the rights of the Holders of the Bonds then Outstanding.

*Amendment of Resolution With Consent of Holders of the Bonds.* With the consent of the Holders of not less than a majority of the Bonds then Outstanding, the City and County from time to time and at any time may adopt a resolution amendatory of or supplemental to the Bond Resolution for the purpose of adding any provisions to, or changing in any manner or eliminating any of the provisions of, the Bond Resolution, or modifying or amending the rights and obligations of the City and County thereunder, or modifying or amending in any manner the rights of the Holders of the Bonds then Outstanding; provided, however, that without the specific consent of the Holder of each such Bond which would be affected thereby, no Supplemental Resolution amending or

supplementing the provisions of the Bond Resolution shall: (1) change the fixed maturity date for the payment of the principal of any Bond or the dates for the payment of interest thereon or the terms of the redemption thereof, or reduce the principal amount of any Bond or the rate of interest thereon or the Redemption Price (or the redemption premium) payable upon the redemption or prepayment thereof; or (2) reduce the aforesaid percentage of Bonds, the Holders of which are required to consent to any Supplemental Resolution amending or supplementing the provisions of the Bond Resolution; or (3) give to any Bond or Bonds any preference over any other Bond or Bonds secured by the Bond Resolution; or (4) authorize the creation of any pledge of the Revenues and other moneys pledged under the Bond Resolution, prior, superior or equal to the pledge of and lien and charge thereon created in the Bond Resolution for the payment of the Bonds except to the extent provided in the Bond Resolution; or (5) deprive any Holder of the Bonds in any material respect of the security afforded by the Bond Resolution; provided further, however, that without the specific consents of the Holders of not less than a majority in principal amount of the Term Bonds then Outstanding and affected thereby, no Supplemental Resolution amending or supplementing the provisions of the Bond Resolution shall (a) change the amount of any Sinking Fund Installments for the retirement of Term Bonds or the due dates of such installments or the terms for the purchase or redemption thereof from such installments, or (b) reduce the aforesaid percentage of Term Bonds, the Holders of which are required to consent to any such Supplemental Resolution. (Nothing in this paragraph contained, however, shall be construed as making necessary the approval of the Holders of the Bonds of the adoption of any Supplemental Resolution). A modification or amendment with respect to the Sewer Fund or the Debt Service Subaccount or Common Reserve Subaccount or any Separate Series Reserve Subaccount therein shall not be deemed a change in the terms of payments; provided that no such modification or amendment shall, except upon the consent of the Holders of all Bonds then outstanding affected thereby, reduce the amount or amounts required to be credited to the Debt Service Subaccount or Common Reserve Subaccount or any Separate Series Reserve Subaccount or their respective successor.

The bond insurers for all Outstanding Bonds and for the Series 2003 Bonds have certain consent rights in connection with any amendment which may constrain the rights of the Holders described above.

The proof of the giving of any consent required and of the holding of Bonds for the purpose of giving consents shall be made in accordance with the Bond Resolution. It shall not be necessary that the consents of the Holders of the Bonds approve the particular form of wording of the proposed amendment or supplement or of the Supplemental Resolution affecting such amendment or supplement, but it shall be sufficient if such consents approve the substance of the proposed amendment or supplement. After the Holders of the required percentage of Bonds shall have filed their consents to the amending or supplementing of the Bond Resolution pursuant to the Bond Resolution, the City and County shall publish at least once a notice of such amending or supplementing of the Bond Resolution, in *The Bond Buyer*, published in New York, New York, or in lieu of publication in *The Bond Buyer*, in some other newspaper specializing in financial matters as provided for in the Bond Resolution and shall mail a copy of such notice, postage prepaid to each registered Holder of Bonds then Outstanding, at his address, if any, appearing upon the registry books, but failure to mail copies of said notice to any of said Holders shall not affect the validity of the Supplemental Resolution effecting such amendments or supplements or the consent thereto. A record, consisting of the papers required by the Bond Resolution, shall be proof of the matters therein stated until the contrary is proved. No action or proceeding to set aside or invalidate such Supplemental Resolution or any of the proceedings for its adoption shall be instituted or maintained unless such action or proceeding is commenced within 60 days after the publication and mailing of the notice required by the Bond Resolution.

The City and County shall furnish a notice of each amendment or supplement and a copy of the Supplemental Resolution effecting such amendment or supplement to each rating agency which has rated the Bonds at least 15 days prior to the effective day of the Supplemental Resolution.

#### **Discharge of Liens and Pledges; Bonds No Longer Outstanding and Deemed to be Paid**

Except as otherwise provided in the Bond Resolution with regard to Option Bonds, the obligations of the City and County under the Bond Resolution and the liens, pledges, charges, trusts, covenants and agreements of the City and County made or provided for in the Bond Resolution, shall be fully discharged and satisfied as to any Bond and such Bond shall no longer be deemed to be Outstanding under the Bond Resolution:

(i) when such Bond shall have been canceled, or shall have been surrendered for cancellation or is subject to cancellation, or shall have been purchased by or behalf of the City and County from moneys held under the Bond Resolution; or

(ii) as to any Bond not canceled or surrendered for cancellation or subject to cancellation or so purchased, when payment of the principal and redemption price (if any) of such Bond, plus interest on such principal to the due date thereof (whether such due date be by reason of maturity or upon redemption or prepayment, or otherwise) either (a) shall have been made or caused to be made in accordance with the terms thereof, or (b) shall have been provided for by irrevocably depositing with the Paying Agent for such Bond, in trust, and irrevocably appropriating and setting aside exclusively for such payment, either (1) moneys sufficient to make such payment or (2) noncallable Refunded Municipal Obligations or noncallable Investment Securities described in item (i) of the definition of Investment Securities as set forth in the Bond Resolution, maturing as to principal and interest in such amount and at such times as will insure, together with any cash deposit, the availability of sufficient moneys to make such payment, whichever the City and County deems to be in its best interest and as verified by an independent nationally recognized firm of certified public accountants in a report delivered to the City and County and the Director of Budget and Fiscal Services, and all necessary and proper fees, compensation and expenses of the Director of Budget and Fiscal Services and the Paying Agents pertaining to the Bond with respect to which such deposit is made shall have been paid or the payment thereof provided for to the satisfaction of the Director of Budget and Fiscal Services and said Paying Agents.

At such time as a Bond shall be deemed to be no longer Outstanding under the Bond Resolution, as aforesaid, such Bond, except for the purposes of any payment from such moneys, Refunded Municipal Obligations or Investment Securities, shall no longer be secured by or entitled to the benefits of the Bond Resolution.

Notwithstanding the foregoing, in the case of a Bond which is to be redeemed or otherwise prepaid prior to its stated maturity, no deposit under clause (b) of subparagraph (ii) of the second preceding paragraph above shall constitute such payment, discharge and satisfaction as aforesaid until such Bond shall have been irrevocably designated for redemption or prepayment and proper notice of such redemption or prepayment shall have been previously given in accordance with the Bond Resolution or provision shall have been irrevocably made for the giving of such notice.

Any such moneys so deposited with the Paying Agents for the Bonds as provided in the Bond Resolution may at the direction of the City and County also be invested and reinvested in Investment Securities, maturing in the amounts and times as set forth in the Bond Resolution. All income from all Refunded Municipal Obligations and Investment Securities in the hands of the Paying Agents which is not required for the payment of the Bonds and interest and premium thereon with respect to which such moneys shall have been so deposited, shall be paid to the City and County for deposit in the Sewer Fund free and clear of any trust, lien, security interest, pledge or assignment securing any Bonds or otherwise existing under the Bond Resolution.

All moneys, Refunded Municipal Obligations or Investment Securities set aside and held in trust pursuant to the provisions of the Bond Resolution for the payment of Bonds (including interest and premium thereof, if any) shall be applied to and used solely for the payment of the particular Bond (including interest and premium thereof, if any) with respect to which such moneys and Investment Securities have been so set aside in trust.

If moneys, Refunded Municipal Obligations or Investment Securities have been deposited or set aside with a Paying Agent pursuant to the Bond Resolution for the payment of a specific Bond and such Bond is deemed to have been paid and to be no longer Outstanding under the Bond Resolution as provided in the defeasance provisions of the Bond Resolution, but such Bond has not in fact been actually paid in full, no amendment to the defeasance provisions of the Bond Resolution may be made without the consent of the Holder of each Bond affected thereby.

The City and County may at any time surrender to a Paying Agent for a Series of Bonds for cancellation by it any Bonds of such Series previously executed and delivered, which the City and County may have acquired in any manner whatever, and such Bonds upon such surrender for cancellation shall be deemed to be paid and no longer Outstanding under the Bond Resolution.

### **Certain Rights of the Bond Insurer for the Series 2008 Bonds**

Notwithstanding anything in the Bond Resolution to the contrary, the bond insurer for the Series 2008 Bonds shall be deemed to be the sole holder of the Series 2008 Bonds for the purpose of exercising any voting right or privilege or giving any consent or direction or taking any other action that the holders of the Series 2008 Bonds insured by it are entitled to take pursuant to the Bond Resolution pertaining to (i) defaults and remedies and (ii) the duties and obligations of the Paying Agent.

**Appendix B**

**Proposed Form of Continuing Disclosure Certificate**

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**Appendix B**

**Proposed Form of Continuing Disclosure Certificate**  
[Excluding signatures and exhibit to Master Certificate]

MASTER CERTIFICATE OF THE DIRECTOR OF BUDGET AND FISCAL SERVICES  
OF THE CITY AND COUNTY OF HONOLULU, HAWAII, PROVIDING  
FOR CONTINUING DISCLOSURE

I, the undersigned, Roy K. Amemiya, Jr., being the duly appointed Director of Budget and Fiscal Services (the "Director") of the City and County of Honolulu, Hawaii (the "City and County"), DO HEREBY CERTIFY as follows:

ARTICLE I  
PURPOSE AND DEFINITIONS

Section 1.1. *Purpose.* This Certificate shall constitute a written undertaking for the benefit of the Holders of the Bonds, and is being executed and delivered solely to assist the Underwriters in complying with subsection (b)(5) of the Rule.

Section 1.2. *Definitions.* The following terms used in this Certificate shall have the following respective meanings:

"*Annual Financial Information*" means, collectively, (i) the financial information and operating data with respect to the Department for each fiscal year of the Department of the type included in the Series 1998 Official Statement of the City and County under the headings "FINANCIAL STATEMENTS," and "PENDING LITIGATION;" and (ii) the information regarding amendments to this Certificate required pursuant to Sections 3.2(c) and (d) of this Certificate. Audited Financial Statements, if available, or Unaudited Financial Statements shall be included in the Annual Financial Information as described in Section 2.1(c) of this Certificate.

The descriptions contained in clause (i) above of financial information and operating data constituting Annual Financial Information are of general categories of financial information and operating data. When such descriptions include information that no longer can be generated because the operations to which it related have been materially changed or discontinued, a statement to that effect shall be provided in lieu of such information.

"*Audited Financial Statements*" means the annual financial statements, if any, of the Department, audited by such auditor as shall then be required or permitted by State law or the Charter of the City and County. Audited Financial Statements shall be prepared in accordance with GAAP; *provided, however*, that the Department may from time to time, if required by federal or State legal requirements, modify the accounting principles to be followed in preparing its financial statements. The notice of any such modification required by Section 3.2(d) of this Certificate shall include a reference to the specific federal or State law or regulation describing such accounting principles. Prior to the fiscal year ending June 30, 1999, Audited Financial Statements of the Department means the extracts of the audited financial statements of the City and County relating to the Sewer Fund and the Wastewater System Facility Charge Fund.

"*Beneficial Owner*" means any person who (i) has the power, directly or indirectly, to vote or consent with respect to, or dispose of ownership of, any Bonds (including a person who holds Bonds through a nominee, depository or other intermediary), or (ii) is treated as the owner of any Bonds for federal income tax purposes.

“*Bonds*” means any revenue bonds issued by the City and County under and pursuant to Resolution No. 98-193 duly adopted by the City Council of the City and County on November 10, 1998 and identified in a Series Certificate.

“*Counsel*” means Hawkins, Delafield & Wood or other nationally recognized bond counsel or counsel expert in federal securities laws.

“*Department*” means the Department of Environmental Services of the City and County.

“*Director*” means any duly appointed Director of Budget and Fiscal Services of the City and County.

“*GAAP*” means generally accepted accounting principles as prescribed from time to time for governmental units by the Governmental Accounting Standards Board.

“*Holder*” means any person who shall be the registered owner, or his duly authorized attorney-in-fact, representative or assign, of any Bond.

“*Material Event*” means any of the following events with respect to the Bonds, whether relating to the Department or otherwise, if material:

- (1) principal and interest payment delinquencies;
- (2) non-payment related defaults;
- (3) unscheduled draws on debt service reserves reflecting financial difficulties;
- (4) unscheduled draws on credit enhancements reflecting financial difficulties;
- (5) substitution of credit or liquidity providers, or their failure to perform;
- (6) adverse tax opinions or events affecting the tax-exempt status of the security;
- (7) modifications to rights of security holders;
- (8) bond calls;
- (9) defeasances;
- (10) release, substitution, or sale of property securing repayment of the securities; and
- (11) rating changes.

“*Material Event Notice*” means notice of a Material Event.

“*MSRB*” means the Municipal Securities Rulemaking Board established pursuant to Section 15B(b)(1) of the Securities Exchange Act of 1934.

“*NRMSIR*” means, at any time, a then-existing nationally recognized municipal securities information repository, as recognized from time to time by the SEC for the purposes referred to in the Rule. The NRMSIRs as of the date of this Certificate are Bloomberg L.P. (Princeton, NJ), Disclosure, Inc. (Bethesda, MD), Kenny Information Systems (New York, NY), Moody’s Investors Service (New York, NY), and Thomson Municipal Services Inc. (New York, NY). Filing information relating to such NRMSIRs is set forth in Exhibit A hereto.

“*Official Statement*” means the “final official statement,” as defined in paragraph (f)(3) of the Rule.

“*Rule*” means Rule 15c2-12 promulgated by the SEC under the Securities Exchange Act of 1934 (17 CFR Part 240, §240.15c2-12), as in effect on the date of this Certificate, including any official interpretations thereof issued either before or after the effective date of this Certificate which are applicable to this Certificate.

“*SEC*” means the United States Securities and Exchange Commission.

“*Series Certificate*” means any certificate executed by the Director as described in Section 3.3 of this Certificate extending the benefits of this Certificate to the Beneficial Owners, Holders and Underwriters of Bonds of a Series.

“*Series 1998 Official Statement*” means the Official Statement of the City and County relating to its Wastewater System Revenue Bonds (First Bond Resolution), Senior Series 1998.

“*SID*” means, at any time, a then-existing state information depository, if any, as operated or designated as such by or on behalf of the State for the purposes referred to in the Rule. As of the date of this Certificate, there is no SID.

“*State*” means the State of Hawaii.

“*Supplemental Certificate*” means any certificate executed by the Director as described in Section 3.2 of this Certificate amending the provisions of this Certificate.

“*Unaudited Financial Statements*” means the same as Audited Financial Statements, except that they shall not have been audited.

“*Underwriter*” means any original underwriter of a Series of Bonds who is required to comply with the Rule and who is identified in a Series Certificate.

## ARTICLE II THE UNDERTAKING

Section 2.1. *Annual Financial Information.* (a) The City and County shall provide Annual Financial Information with respect to each fiscal year of the Department, commencing with the fiscal year ending June 30, 1998, by no later than eight months after the end of the respective fiscal year, to each NRMSIR and the SID. The City and County may provide Annual Financial Information by specific reference to documents (i) either (1) provided to each NRMSIR existing at the time of such reference and the SID or (2) filed with the SEC, or (ii) if such document is an Official Statement, available from the MSRB. The Department may provide Annual Financial Information in one document or multiple documents comprising a package, and at one time or in part from time to time.

(b) The City and County shall provide, in a timely manner, notice of any failure of the City and County to provide the Annual Financial Information by the date specified in subsection (a) above to (i) either the MSRB or each NRMSIR, and (ii) the SID.

(c) If Audited Financial Statements are not provided as part of Annual Financial Information by the date required by Section 2.1(a) of this Certificate, the City and County shall provide (i) as part of the Annual Financial Information, Unaudited Financial Statements in a format similar to the unaudited financial statements contained in the Series 1998 Official Statement under the heading “FINANCIAL STATEMENTS,” and (ii) Audited Financial Statements, when and if available, to each NRMSIR and the SID.

(d) The Department’s current fiscal year is July 1 of a calendar year to June 30 of the succeeding calendar year. The City and County promptly notify (i) each NRMSIR, and (ii) the SID of each change in its fiscal year.

Section 2.2. *Material Event Notices.* (a) If a Material Event occurs, the City and County shall provide, in a timely manner, a Material Event Notice to (i) either the MSRB or each NRMSIR, and (ii) the SID.

(b) Upon any legal defeasance of any Bonds of a Series, the City and County shall provide notice of such defeasance to (i) each NRMSIR or the MSRB and (ii) the SID, which notice shall state whether such Bonds have been defeased to maturity or to redemption and the timing of such maturity or redemption.

(c) Each Material Event Notice shall be so captioned and shall prominently state the title, date and CUSIP numbers of the Bonds.

Section 2.3. *Additional Disclosure Obligations.* The City and County acknowledges and understands that other state and federal laws, including but not limited to the Securities Act of 1933 and Rule 10b-5 promulgated under the Securities Exchange Act of 1934, may apply to the Department, and that under some circumstances compliance with this Certificate, without additional disclosures or other action, may not fully discharge all duties and obligations of the Department under such laws.

Section 2.4. *Additional Information.* Nothing in this Certificate shall be deemed to prevent the City and County from disseminating any other information, using the means of dissemination set forth in this Certificate or any other means of communication, or including any other information in any Annual Financial Information or Material Event Notice, in addition to that which is required by this Certificate. If the City and County chooses to include any information in any Annual Financial Information or Material Event Notice in addition to that which is specifically required by this Certificate, the City and County shall have no obligation under this Certificate to update such information or include it in any future Annual Financial Information or Material Event Notice.

Section 2.5. *No Previous Non-Compliance.* The City and County represents that since July 3, 1995, it has not failed to comply in any material respect with any previous undertaking in a written contract or agreement specified in paragraph (b)(5)(i) of the Rule.

Section 2.6. *Transmission of Information and Notices.* Unless otherwise required by law and, in the City and County's sole determination, subject to technical and economic feasibility, the City and County shall employ such methods of information and notice transmission as shall be requested or recommended by the herein-designated recipients of the Department's information and notices.

### ARTICLE III TERMINATION, AMENDMENT, ENFORCEMENT, BENEFICIARIES AND DISSEMINATION AGENT

Section 3.1. *Termination.* (a) The City and County's obligations under this Certificate with respect to the Bonds shall terminate upon (i) a prior redemption or payment in full of all of the Bonds of such Series, or (ii) a legal defeasance of all of the Bonds of such Series.

(b) This Certificate, or any provision of this Certificate, shall be null and void in the event that there is delivered (i) to Director an opinion of Counsel, addressed to the City and County, to the effect that those portions of the Rule which require this Certificate, or any of the provisions of this Certificate, respectively, do not or no longer apply to the Bonds, whether because such portions of the Rule are invalid, have been repealed, or otherwise, as shall be specified in such opinion, and (2) copies of such opinion to each NRMSIR and the SID.

Section 3.2. *Amendment.* (a) This Certificate may be amended by a Supplemental Certificate of the Director, without the consent of the Holders of the Bonds, if all of the following conditions are satisfied:

(1) such amendment is made in connection with a change in circumstances that arises from a change in legal (including regulatory) requirements, a change in law (including rules or regulations) or in interpretations thereof, or a change in the identity, nature or status of the Department or the type of business conducted thereby;

(2) this Certificate as so amended would have complied with the requirements of the Rule as of the date of this Certificate, after taking into account any amendments or interpretations of the Rule, as well as any change in circumstances;

(3) there shall have been delivered to the Director, an opinion of Counsel, addressed to the City and County, to the same effect as set forth in clause (2) above;

(4) there shall have been delivered to the Director, an opinion of Counsel or a determination by a person, in each case unaffiliated with the City and County (such as bond counsel) and acceptable to the City and County, addressed to the City and County, to the effect that the amendment does not materially impair the interests of the Holders of the Bonds; and

(5) the City and County shall have delivered copies of such opinion(s) and amendment to each NRMSIR and the SID.

(b) In addition to subsection (a) above, this Certificate may be amended and any provision of this Certificate may be waived by a Supplemental Certificate of the Director, without the consent of the holders of the Bonds, if all of the following conditions are satisfied: (1) an amendment to the Rule is adopted, or a new or modified official interpretation of the Rule is issued, after the effective date of this Certificate which is applicable to this Certificate, (2) there shall have been delivered to the Director an opinion of Counsel, addressed to the City and County, to the effect that performance by the City and County under this Certificate as so amended or giving effect to such waiver, as the case may be, will not result in a violation of the Rule as amended or officially interpreted and (3) the City and County shall have delivered copies of such opinion and amendment to each NRMSIR and the SID.

(c) To the extent any amendment to this Certificate results in a change in the type of financial information or operating data provided pursuant to this Certificate, the first Annual Financial Information provided thereafter shall include a narrative explanation of the reasons for the amendment and the impact of the change.

(d) If an amendment is made to the accounting principles to be followed in preparing financial statements, the Annual Financial Information for the year in which the change is made shall present a comparison between the financial statements or information prepared on the basis of the new accounting principles and those prepared on the basis of the former accounting principles. Such comparison shall include a qualitative and, to the extent reasonably feasible, quantitative discussion of the differences in the accounting principles and the impact of the change in the accounting principles on the presentation of the financial information. Notice of such amendment shall be provided by the City and County to (i) either the MSRB or each NRMSIR and (ii) the SID.

Section 3.3. *Benefit; Third-Party Beneficiaries; Enforcement.* (a) By execution of a Series Certificate identifying the Underwriters and the Bonds of a Series, the provisions of this Certificate shall inure solely to the benefit of such Underwriters and the Holders from time to time of such Bonds. Beneficial Owners of such Bonds shall be third party beneficiaries of this Certificate.

(b) Except as provided in this subsection (b), the provisions of this Certificate shall create no rights in any person or entity. The obligations of the City and County to comply with the provisions of this Certificate shall be enforceable by any Holder of outstanding Bonds; *provided, however*, that such right to enforce the provisions of this Certificate shall be limited solely to a right, by action in mandamus or for specific performance, to compel performance of the City and County's obligations under this Certificate. In consideration of the third-party beneficiary status of Beneficial Owners of Bonds pursuant to subsection (a) of this Section, Beneficial Owners shall be deemed to be Holders of Bonds for purposes of this subsection (b).

(c) Any failure by the City and County to perform in accordance with this Certificate shall not constitute a default under any ordinance or resolution of the City and County authorizing the Bonds of any Series or any certificate of the Director providing for the issuance of the Bond of a Series.

(d) This Certificate shall be construed and interpreted in accordance with the laws of the State, and any suits and actions arising out of this Certificate shall be instituted in a court of competent jurisdiction in the State; *provided, however*, that to the extent this Certificate addresses matters of federal securities laws, including the Rule, this Certificate shall be construed in accordance with such federal securities laws and official interpretations thereof.

Section 3.4. *Dissemination Agent.* The Director, on behalf of the Department, shall disseminate the Annual Financial Information, the Audited Financial Statements, the Unaudited Financial Statements, the Material Event Notices and all other information and notices as described in this Certificate. The Director may appoint one or more agents to disseminate such information and notices.

Dated this 23rd day of December, 1998.

SERIES CERTIFICATE OF THE DIRECTOR OF BUDGET AND FISCAL SERVICES OF THE  
CITY AND COUNTY OF HONOLULU, PROVIDING FOR CONTINUING DISCLOSURE

I, the undersigned, Mary Patricia Waterhouse, being the duly appointed Director of Budget and Fiscal Services (the "Director") of the City and County of Honolulu (the "City and County"), DO HEREBY CERTIFY that: (i) this Certificate is a Series Certificate as defined in Section 1.1 and described in Section 3.3 of the Master Certificate of the Director of Budget and Fiscal Services of the City and County of Honolulu, Hawaii, Providing for Continuing Disclosure, dated December 23, 1998 (the "Master Certificate"); (ii) UBS Securities LLC, the underwriter of the \$112,440,000 Wastewater System Revenue Bonds (Second Bond Resolution) Junior Series 2008A of the City and County, to be dated the date of issuance thereof (the "Series 2008 Bonds"), shall be a beneficiary of the Master Certificate; (iii) the Holders of the Series 2008 Bonds shall also be beneficiaries of the Master Certificate; (iv) the Beneficial Owners of Series 2008 Bonds shall be third-party beneficiaries of the Master Certificate; and (v) all capitalized terms used herein shall have the respective meanings as defined in the Master Certificate.

The NRMSIRs as of the date of this Series Certificate are set forth at:

[www.sec.gov/info/consumer/nrmsir.htm](http://www.sec.gov/info/consumer/nrmsir.htm).

Dated this \_\_\_ day of \_\_\_\_\_, 2008.

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Director of Budget and Fiscal Services  
City and County of Honolulu

The above and foregoing certificate  
is hereby approved as to form and legality  
this \_\_\_ day of \_\_\_\_\_, 2008.

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Corporation Counsel  
City and County of Honolulu

**Appendix C**

**Proposed Form of Opinion of Bond Counsel**

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## Appendix C

### Proposed Form of Opinion of Bond Counsel

\_\_\_\_\_, 2008

City and County of Honolulu  
Honolulu, Hawaii

Re: City and County of Honolulu  
Wastewater System Revenue Bonds  
(Second Bond Resolution), Junior Series 2008A  
(Final Opinion)

Ladies and Gentlemen:

We have acted as bond counsel to the City and County of Honolulu (the “City and County”) in connection with the issuance of \$112,440,000 aggregate principal amount of its Wastewater System Revenue Bonds (Second Bond Resolution), Junior Series 2008A (the “Bonds”), pursuant to the a Bond Resolution and a Series Resolution of the City and County (collectively, the “Resolution”), and a Series Certificate of the Director of Budget and Fiscal Services of the City and County (the “Certificate”). Terms not otherwise defined herein shall have the meanings assigned to them in the Certificate.

In such connection, we have reviewed the Resolution, the Certificate, the Tax Certificate of the City and County, dated the date hereof (the “Tax Certificate”), an opinion of the Corporation Counsel of the City and County, certificates of the City and County and others, and such other documents, opinions and matters to the extent we deemed necessary to render the opinions set forth herein.

The opinions expressed herein are based on an analysis of existing laws, regulations, rulings and court decisions and cover certain matters not directly addressed by such authorities. Such opinions may be affected by actions taken or omitted or events occurring after the date hereof. We have not undertaken to determine, or to inform any person, whether any such actions are taken or omitted or events do occur or any other matters come to our attention after the date hereof. Accordingly, this opinion speaks only as of its date and is not intended to, and may not, be relied upon in connection with any such actions, events or matters. Our engagement with respect to the Bonds has concluded with their issuance, and we disclaim any obligation to update this letter. We have assumed the genuineness of all documents and signatures presented to us (whether as originals or as copies) and the due and legal execution and delivery thereof by, and validity against, any parties other than the City and County. We have assumed, without undertaking to verify, the accuracy of the factual matters represented, warranted or certified in the documents, and of the legal conclusions contained in the opinions, referred to in the second paragraph hereof. Furthermore, we have assumed compliance with all covenants and agreements contained in the Resolution, the Certificate and the Tax Certificate, including (without limitation) covenants and agreements compliance with which is necessary to assure that future actions, omissions or events will not cause interest on the Bonds to be included in gross income for federal income tax purposes. We call attention to the fact that the rights and obligations under the Bonds, the Resolution, the Certificate and the Tax Certificate and their enforceability may be subject to bankruptcy, insolvency, reorganization, arrangement, fraudulent conveyance, moratorium and other laws relating to or affecting creditors’ rights, to the application of equitable principles, to the exercise of judicial discretion in appropriate cases, and to the limitations on legal remedies against counties in the State of Hawaii. We express no opinion with respect to any indemnification, contribution, penalty, choice of law, choice of forum, choice of venue, waiver or severability provisions contained in the foregoing documents, nor do we express any opinion with respect to the state or quality of title to or interest in any assets described in or as subject to the lien of the Resolution or the accuracy or sufficiency of the description contained therein of, or the remedies available to enforce liens on, any such assets. Finally, we undertake no responsibility for the accuracy, completeness or fairness of the Official Statement or other offering material relating to the Bonds and express no opinion with respect thereto.

Based on and subject to the foregoing, and in reliance thereon, as of the date hereof, we are of the following opinions:

1. The Bonds constitute valid and binding special obligations of the City and County.
2. The Bonds are payable solely from and are secured by the Net Revenues and other funds pledged to the payment thereof pursuant to the Resolution, subject to the provisions of the Resolution permitting the application thereof for the purposes and on the terms and conditions set forth in the Resolution.
3. The Resolution has been duly adopted and constitutes the valid and binding obligation of the City and County, and the Certificate has been duly executed and delivered and constitutes the valid and binding obligation of the City and County.
4. Interest on the Bonds is excluded from gross income for federal income tax purposes under Section 103 of the Internal Revenue Code of 1986, and the Bonds and the income therefrom are exempt from all taxation by the State of Hawaii or any county or other political subdivision thereof, except inheritance, transfer, estate and certain franchise taxes. Interest on the Bonds is not a specific preference item for purposes of the federal individual or corporate alternative minimum taxes, although we observe that it is included in adjusted current earnings when calculating corporate alternative minimum taxable income. We express no opinion regarding other tax consequences related to the ownership or disposition of, or the accrual or receipt of interest on, the Bonds.

Faithfully yours,

ORRICK, HERRINGTON & SUTCLIFFE LLP

per

**Appendix D**

**Specimen Municipal Bond Insurance Policy**

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**FINANCIAL  
SECURITY  
ASSURANCE®**

**MUNICIPAL BOND  
INSURANCE POLICY**

ISSUER:

Policy No.: -N

BONDS:

Effective Date:

Premium: \$

FINANCIAL SECURITY ASSURANCE INC. ("Financial Security"), for consideration received, hereby UNCONDITIONALLY AND IRREVOCABLY agrees to pay to the trustee (the "Trustee") or paying agent (the "Paying Agent") (as set forth in the documentation providing for the issuance of and securing the Bonds) for the Bonds, for the benefit of the Owners or, at the election of Financial Security, directly to each Owner, subject only to the terms of this Policy (which includes each endorsement hereto), that portion of the principal of and interest on the Bonds that shall become Due for Payment but shall be unpaid by reason of Nonpayment by the Issuer.

On the later of the day on which such principal and interest becomes Due for Payment or the Business Day next following the Business Day on which Financial Security shall have received Notice of Nonpayment, Financial Security will disburse to or for the benefit of each Owner of a Bond the face amount of principal of and interest on the Bond that is then Due for Payment but is then unpaid by reason of Nonpayment by the Issuer, but only upon receipt by Financial Security, in a form reasonably satisfactory to it, of (a) evidence of the Owner's right to receive payment of the principal or interest then Due for Payment and (b) evidence, including any appropriate instruments of assignment, that all of the Owner's rights with respect to payment of such principal or interest that is Due for Payment shall thereupon vest in Financial Security. A Notice of Nonpayment will be deemed received on a given Business Day if it is received prior to 1:00 p.m. (New York time) on such Business Day; otherwise, it will be deemed received on the next Business Day. If any Notice of Nonpayment received by Financial Security is incomplete, it shall be deemed not to have been received by Financial Security for purposes of the preceding sentence and Financial Security shall promptly so advise the Trustee, Paying Agent or Owner, as appropriate, who may submit an amended Notice of Nonpayment. Upon disbursement in respect of a Bond, Financial Security shall become the owner of the Bond, any appurtenant coupon to the Bond or right to receipt of payment of principal of or interest on the Bond and shall be fully subrogated to the rights of the Owner, including the Owner's right to receive payments under the Bond, to the extent of any payment by Financial Security hereunder. Payment by Financial Security to the Trustee or Paying Agent for the benefit of the Owners shall, to the extent thereof, discharge the obligation of Financial Security under this Policy.

Except to the extent expressly modified by an endorsement hereto, the following terms shall have the meanings specified for all purposes of this Policy. "Business Day" means any day other than (a) a Saturday or Sunday or (b) a day on which banking institutions in the State of New York or the Insurer's Fiscal Agent are authorized or required by law or executive order to remain closed. "Due for Payment" means (a) when referring to the principal of a Bond, payable on the stated maturity date thereof or the date on which the same shall have been duly called for mandatory sinking fund redemption and does not refer to any earlier date on which payment is due by reason of call for redemption (other than by mandatory sinking fund redemption), acceleration or other advancement of maturity unless Financial Security shall elect, in its sole discretion, to pay such principal due upon such acceleration together with any accrued interest to the date of acceleration and (b) when referring to interest on a Bond, payable on the stated date for payment of interest. "Nonpayment" means, in respect of a Bond, the failure of the Issuer to have provided sufficient funds to the Trustee or, if there is no Trustee, to the Paying Agent for payment in full of all principal and interest that is Due for Payment on such Bond. "Nonpayment" shall also include, in respect of a Bond, any payment of principal or interest that is Due for Payment

made to an Owner by or on behalf of the Issuer which has been recovered from such Owner pursuant to the United States Bankruptcy Code by a trustee in bankruptcy in accordance with a final, nonappealable order of a court having competent jurisdiction. "Notice" means telephonic or telecopied notice, subsequently confirmed in a signed writing, or written notice by registered or certified mail, from an Owner, the Trustee or the Paying Agent to Financial Security which notice shall specify (a) the person or entity making the claim, (b) the Policy Number, (c) the claimed amount and (d) the date such claimed amount became Due for Payment. "Owner" means, in respect of a Bond, the person or entity who, at the time of Nonpayment, is entitled under the terms of such Bond to payment thereof, except that "Owner" shall not include the Issuer or any person or entity whose direct or indirect obligation constitutes the underlying security for the Bonds.

Financial Security may appoint a fiscal agent (the "Insurer's Fiscal Agent") for purposes of this Policy by giving written notice to the Trustee and the Paying Agent specifying the name and notice address of the Insurer's Fiscal Agent. From and after the date of receipt of such notice by the Trustee and the Paying Agent, (a) copies of all notices required to be delivered to Financial Security pursuant to this Policy shall be simultaneously delivered to the Insurer's Fiscal Agent and to Financial Security and shall not be deemed received until received by both and (b) all payments required to be made by Financial Security under this Policy may be made directly by Financial Security or by the Insurer's Fiscal Agent on behalf of Financial Security. The Insurer's Fiscal Agent is the agent of Financial Security only and the Insurer's Fiscal Agent shall in no event be liable to any Owner for any act of the Insurer's Fiscal Agent or any failure of Financial Security to deposit or cause to be deposited sufficient funds to make payments due under this Policy.

To the fullest extent permitted by applicable law, Financial Security agrees not to assert, and hereby waives, only for the benefit of each Owner, all rights (whether by counterclaim, setoff or otherwise) and defenses (including, without limitation, the defense of fraud), whether acquired by subrogation, assignment or otherwise, to the extent that such rights and defenses may be available to Financial Security to avoid payment of its obligations under this Policy in accordance with the express provisions of this Policy.

This Policy sets forth in full the undertaking of Financial Security, and shall not be modified, altered or affected by any other agreement or instrument, including any modification or amendment thereto. Except to the extent expressly modified by an endorsement hereto, (a) any premium paid in respect of this Policy is nonrefundable for any reason whatsoever, including payment, or provision being made for payment, of the Bonds prior to maturity and (b) this Policy may not be canceled or revoked. THIS POLICY IS NOT COVERED BY THE PROPERTY/CASUALTY INSURANCE SECURITY FUND SPECIFIED IN ARTICLE 76 OF THE NEW YORK INSURANCE LAW.

In witness whereof, FINANCIAL SECURITY ASSURANCE INC. has caused this Policy to be executed on its behalf by its Authorized Officer.

[Countersignature]

FINANCIAL SECURITY ASSURANCE INC.

By \_\_\_\_\_

By \_\_\_\_\_  
Authorized Officer

A subsidiary of Financial Security Assurance Holdings Ltd.  
31 West 52<sup>nd</sup> Street, New York, N.Y. 10019

(212) 826-0100

Form 500NY (5/90)





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