

Yano Accountancy Corporation

SAN FRANCISCO WATER ENTERPRISE AND HETCH HETCHY WATER AND POWER

Statements of Changes in the Balancing Account

June 30, 2022

(With Independent Auditors' Report Thereon)



KPMG LLP Suite 1400 55 Second Street San Francisco, CA 94105

Uano Accountancy Corporation

Independent Auditors' Report

To the City and County of San Francisco and the Wholesale Customers:

Opinion

KPMG LLP and Yano Accountancy Corporation have audited the Statement of Changes in the Balancing Account (the statement) of the San Francisco Water Enterprise (Water Enterprise) and Hetch Hetchy Water and Power (Hetch Hetchy), under the jurisdiction of the San Francisco Public Utilities Commission (SFPUC), for the year ended June 30, 2022, and related notes to the statement.

In our opinion, the statement presents fairly, in all material respects, changes in the Balancing Account for the year ended June 30, 2022 in accordance with Article VII, Section 7.02 of the Water Supply Agreement (WSA), between the City and County of San Francisco (City) and certain Wholesale Customers in the counties of San Mateo, Santa Clara, and Alameda (Wholesale Customers) effective July 1, 2009.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the SFPUC, and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Emphasis of Matter — Basis of Accounting

We draw attention to note (1)(b) of the statement, which describes the basis of accounting. The statement was prepared by the SFPUC on the basis of the financial reporting provisions of Article VII, Section 7.02 of the WSA, which is a basis of accounting other than U.S. generally accepted accounting principles, to comply with the financial reporting provisions of the WSA referred to above. As a result, the statement may not be suitable for another purpose. Our opinion is not modified with respect to this matter.

Responsibilities of Management for the Financial Statement

Management is responsible for the preparation and fair presentation of the statement in accordance with the financial reporting provisions of Article VII, Section 7.02 of the WSA. Management is also responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the statement that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibilities for the Audit of the Financial Statement

Our objectives are to obtain reasonable assurance about whether the statement as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal



Uano Accountancy Corporation

control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the statement.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the statement, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the statement.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of SFPUC's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting • estimates made by management, as well as evaluate the overall presentation of the statement.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about SFPUC's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter – Audit of the Basic Financial Statements

KPMG LLP has audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of the San Francisco Water Enterprise and of Hetch Hetchy Water and Power as of and for the year ended June 30, 2022, and our reports thereon, dated January 27, 2023 expressed an unmodified opinion on those financial statements.

Restriction on Use

This report is intended solely for the information and use of the Mayor, Board of Supervisors, San Francisco Public Utilities Commission, City management, and the Wholesale Customers, and is not intended to be and should not be used by anyone other than these specified parties.

KPMG LIP gave accounting Composation

San Francisco, California December 30, 2023

Statement of Changes in the Balancing Account Year ended June 30, 2022

Year ended June 30, 2022		
	Total	Amount allocated to the wholesale customers
Wholesale revenue requirement:		
Operating and maintenance expenses:		
San Francisco Water Enterprise (Water Enterprise): Source of supply	\$ 34,943,564	20,356,813
Pumping	1,679,859	_
Treatment	49,995,749	33,772,011
Transmission and distribution Customer accounts	68,460,065 10,259,034	18,193,479 202,814
Total Water Enterprise operating and maintenance expenses	165,338,271	72,525,117
	100,000,211	12,020,111
Hetch Hetchy Water and Power (Hetch Hetchy): Operating and maintenance expenses	\$ 150,118,599	19,560,700
Total Hetch Hetchy operating and maintenance expenses	\$ 150,118,599	19,560,700
	÷ 100,110,000	10,000,100
Administrative and general (A&G) expenses: Countywide cost allocation plan:		
Water Enterprise	\$ 3,019,002	1,324,134
Hetch Hetchy	1,767,628	544,951
San Francisco Public Utilities Commission (Bureaus): Water Enterprise	36,939,672	16,609,326
Hetch Hetchy	18,740,706	3,491,072
Other A&G – Water Enterprise	20,752,799	7,932,583
Other A&G – Hetch Hetchy Compliance audit	28,472,220 195,720	3,804,989 97,860
Total administrative and general expenses	\$ 109,887,747	33,804,915
	\$ 103,007,747	33,004,913
Property taxes (outside City only): Water Enterprise	\$ 1,903,691	1,307,835
Hetch Hetchy	591,486	182,352
Total property taxes	\$ 2,495,177	1,490,187
Capital cost recovery – existing regional assets (K-5):		
Water Enterprise		_
Hetch Hetchy		_
Capital cost contribution – new regional assets: Debt-funded capital projects:		
Water Enterprise (note 4a)		158,261,916
Hetch Hetchy Water (note 4a)		3,434,526
True-Up of Bonds at Completion of WSIP Credit for federal BABs interest subsidy		3,549,471 (14,369,869)
Credit for Debt Service Reserve Releases		(456,894)
Revenue-funded capital projects:		10 711 011
Water Enterprise (note 4d) Hetch Hetchy		13,711,614
True-Up of Wholesale Capital Fund		(4,154,868)
Total capital cost recovery and contribution		159,975,896
Total wholesale revenue requirement		\$287,356,815
Balance due to wholesale customers, July 1, 2021		\$ (62,980,489)
Interest on adjusted beginning balance		(377,883)
Net Wholesale revenue billed (note 5)		(257,016,936)
Transfer from Wholesale Coverage Reserve Transfer from Balancing Account for BAWSCA water projects		2,278,271 346,750
Transfer from Balancing Account for K-5 Prepayment		
Calculated wholesale revenue requirement		287,356,815
FY 20-21 Net Interest on Wholesale Coverage Reserve / Working Capital		(247,850)
Balance due to wholesale customers, June 30, 2022		\$ (30,641,321)
Wholesale revenue coverage reserve shortfall (surplus), as of June 30, 2022		\$ 583,074

See accompanying notes to the statement of changes in the balancing account.

Statements of Changes in the Balancing Account

June 30, 2022

(1) Summary of Significant Accounting Policies

(a) Water Supply Agreement

The City and County of San Francisco (City), acting by and through its Public Utilities Commission (SFPUC), and the Wholesale Customers, represented by the Bay Area Water Supply and Conservation Agency (BAWSCA), entered into the Water Supply Agreement (WSA) on July 1, 2009. The November 2021 Amended and Restated Wholesale Water Supply Agreement (WSA) was ratified by all BAWSCA member agencies and the SFPUC in January 2023. The WSA has a twenty-five year term with two options for five-year extensions, and contains provisions on rate-setting, accounting, and dispute resolution, including emergency and drought-pricing adjustment. The WSA has a 184 millions of gallons per day (mgd) Supply Assurance. During the period from 2009 to 2028 the WSA limits the quantity of water delivered to the Retail Customers and Wholesale Customers from the watersheds to 81 mgd and 184 mgd, respectively, or a total of 265 mgd.

(b) Basis of Accounting

Pursuant to the terms of the WSA, the accounts of the San Francisco Water Enterprise (Water Enterprise) and Hetch Hetchy Water and Power (Hetch Hetchy), are maintained in conformity with accounting principles generally accepted in the United States of America. The financial activities of the Water Enterprise and Hetch Hetchy Funds are accounted for on a flow of economic resource measurement focus, using the accrual basis of accounting. Under this method, all assets and liabilities associated with its operations are included on the statements of net assets; revenues are recognized when earned, and expenses are recognized when liabilities are incurred. The SFPUC applies all applicable Governmental Accounting Standards Board pronouncements. For copies of the Water Enterprise and Hetch Hetchy audited financial statements for the year ended June 30, 2022, please contact the Chief Financial Officer, San Francisco Public Utilities Commission, 525 Golden Gate Avenue, 13th Floor, San Francisco, California 94102.

Under the WSA, current operating expenditures, including regional revenue-funded capital projects and debt service on bonds sold to finance regional water system improvements, are allocated between Retail Customers and the Wholesale Customers on the basis of Proportional Annual Use. The Balancing Account is maintained pursuant to the WSA, and by other provisions that may result from a settlement agreement prescribed in Article VII, Section 7.06 of the WSA.

(c) Balancing Account under the WSA

Pursuant to the terms of the WSA, the SFPUC is required to establish water rates applicable to the Wholesale Customers at the beginning of each fiscal year. The wholesale water rates are based on an estimate of revenues necessary to recover the cost of distributing water to the Wholesale Customers in accordance with the methodology outlined in Articles V and VI of the WSA.

Pursuant to Article VII, Section 7.02 of the WSA, the City is required to prepare the Wholesale Revenue Requirement (WRR) of the Water Enterprise and Hetch Hetchy after the close of each fiscal year based on the actual costs incurred in the delivery of water to the Wholesale Customers. The difference between the wholesale revenue billed to the Wholesale Customers during the year and the "actual" WRR is recorded in a separate account (the Balancing Account) and represents the cumulative amount that is either owed to the Wholesale Customers (if wholesale revenue billed exceed the WRR)

Statements of Changes in the Balancing Account

June 30, 2022

or owed to the SFPUC (if the WRR exceeds wholesale revenues billed). The Balancing Account is reflected on the Water Enterprise's financial statements as either an asset or a liability depending on the amount due from or owed to the Wholesale Customers.

In accordance with Article VI, Section 6.05B of the WSA, the amount recorded in the Balancing Account will earn interest at a rate equal to the average rate earned on the invested pooled funds of the City Treasurer, and is taken into consideration in the determination of subsequent wholesale water rates.

(d) Proportional Annual Use and Adjusted Proportional Annual Use

The WSA states that the Wholesale Customers will pay their share of expenses incurred by the SFPUC in delivering water on the basis of Proportional Annual Use unless otherwise indicated in the WSA. WSA Attachment J prescribes the calculation methodology to determine Proportional Annual Use. At the end of each fiscal year, as specified in WSA Attachment J, the SFPUC and BAWSCA sign off on Table J-1, which memorializes the annual water deliveries to Retail and Wholesale Customers. The information in the Table J-1 is the basis for the Proportional Annual Use calculation.

The Proportional Annual Use is defined as the share of deliveries from the Regional Water System used by City Retail Customers and by the Wholesale Customers in a fiscal year, expressed as a percentage. The Adjusted Proportional Annual Use is defined as the respective percentages of annual water use, as adjusted to reflect deliveries of water by Hetch Hetchy to Retail Customers outside of the city limits of the City and County of San Francisco.

(e) Minimum Annual Purchases

Alameda County Water District and the cities of Milpitas, Mountain View, and Sunnyvale have agreed to a minimum annual purchases requirement, which requires each to purchase a minimum annual quantity of water from the SFPUC. These minimum quantities are included in the Individual Water Sales Contracts between SFPUC and each of these four Wholesale Customers reference to Article III, Section 3.07.C of the WSA, and WSA Attachment E.

These Wholesale Customers are billed for minimum quantities only if minimum annual purchase quantities have not been met in any fiscal year. Minimum annual purchase payments are considered wholesale water revenues. Additionally, the Proportional Annual Use is based on minimum quantities for each of these four customers if minimum annual purchase quantities are not met. Any differences between minimum quantities and below-minimum actuals are referred to as imputed water sales.

During the year ended June 30, 2022 the minimum purchase requirements were waived due to the Governor's July 8, 2021 drought emergency declaration, as authorized by Article III, Section 3.07 of the WSA.

Statements of Changes in the Balancing Account

June 30, 2022

(f) Basis of Allocating Operating Expenses

Pursuant to the terms of the WSA, direct Water Enterprise and specific Hetch Hetchy expenses are allocated to the applicable user. Regional Water Enterprise operating and maintenance expenses related to source of supply, treatment, transmission and distribution are allocated based on Proportional Annual Use.

Two percent of Water Enterprise customer service expenses are allocated to the Wholesale Customers. Water Enterprise administrative and general expenses, including the assigned costs under the City's Countywide Cost Allocation Plan, services provided by other City departments and water administration, are allocated based on the ratio of total allocated wholesale operating and maintenance expenses to total Water Enterprise operating and maintenance expenses. Certain SFPUC bureau expenses are identified as regional operations and maintenance expenses and allocated to the Wholesale Customers on Proportional Annual Use basis. Remaining SFPUC bureau expenses are allocated to the Water Enterprise on the basis of labor costs incurred by the various SFPUC enterprises, and then allocated to the Wholesale Customers on the basis of Proportional Annual Use.

Water Enterprise property taxes are levied against properties owned by the City in Alameda, San Mateo, and Santa Clara counties, and operated and managed by the SFPUC. Hetch Hetchy property taxes are levied against properties owned by the City in Tuolumne, Stanislaus, San Joaquin, and Alameda counties, and operated and managed by the SFPUC. All property taxes paid, net of (1) reimbursements received from lessees and permit holders and (2) refunds from taxing authorities, are considered Water Enterprise regional expenses or joint Hetch Hetchy expenses. The Wholesale Customers are allocated a share of Water Enterprise and Hetch Hetchy property tax expenses on the basis of Proportional Annual Use and Adjusted Proportional Annual Use, respectively.

Forty-five percent of joint Hetch Hetchy expenses are water-related expenses. The water-related share of joint Hetch Hetchy operating, maintenance, and administrative and general expenses is allocated based upon on Adjusted Proportional Annual Use.

Fifty percent of the cost of the compliance audit described in Article VII, Section 7.04 of the WSA is allocated to the Wholesale Customers.

(g) Wholesale Customers Review

Article VII, Section 7.06 of the WSA provides the Wholesale Customers the right to conduct a review of the SFPUC's calculation of the annual Wholesale Revenue Requirement and changes in the Balancing Account. The review shall be completed within 60 days after the date of the compliance auditor's report is issued. At the conclusion of the review, representatives of SFPUC and BAWSCA meet to discuss any differences noted. Adjustments agreed by both parties are adjusted to the Balancing Account. If differences cannot be resolved, the dispute shall be submitted to the arbitration in accordance with Article VIII, Section 8.01 of the WSA.

(h) Capital Cost Contribution – New Regional Assets

The wholesale share of Water Enterprise and Hetch Hetchy capital expenditures incurred during the term of the WSA are allocated on the basis of Proportional Annual Use and Adjusted Proportional

Statements of Changes in the Balancing Account

June 30, 2022

Annual Use, respectively. These costs include net annual debt service and appropriations for revenue-funded regional capital additions.

Capital expenditures financed by debt are allocated to bond proceeds on a first-in, first-out basis to the extent allowable by law and the terms of the applicable indenture. In accordance with Article V, Section 5.04A of the WSA, the SFPUC issues a certificate on the expected use of bond proceeds within 15 days of issuance (WSA Attachment L-2), and a report on actual expenditures of and earnings on bond proceeds after the proceeds are considered substantially expended (WSA Attachment L-3). The Wholesale Customers' proportionate share of net annual debt service is based on the expected use of bond proceeds on regional projects. Any differences between expected and actual expenditures on regional projects are applied in the year the proceeds are substantially expended. For copies of WSA Attachments L-2 or L-3 previously issued for each indenture, please contact the Chief Financial Officer, San Francisco Public Utilities Commission, 525 Golden Gate Avenue, 13th Floor, San Francisco, California 94102.

SFPUC and the Wholesale Customers clarified certain procedures relating to the administration of the accounting, debt administration, and capital cost contribution components of Article V, Section 5.04A as part of the Settlement Agreement (Article VII, Section 7.06 of the WSA) for the year ended June 30, 2010. For copies of the Settlement Agreement (Article VII, Section 7.06 of the WSA) for the year ended June 30, 2010, please contact the Chief Financial Officer, San Francisco Public Utilities Commission, 525 Golden Gate Avenue, 13th Floor, San Francisco, California 94102.

The regional share of appropriations for revenue-funded regional asset expenditures are allocated to the Water Enterprise and Hetch Hetchy on the basis of Proportional Annual Use and Adjusted Proportional Annual Use, respectively. Adjustments to reflect actual vs. appropriated expenditures are made in accordance with Article VI, Section 6.08 of the WSA, as amended.

(i) Allocation of 525 Golden Gate Avenue Expenses

525 Golden Gate Avenue is the headquarters of the SFPUC as of July 2012. This building consolidated divisions of the SFPUC that were renting space at multiple locations in the Civic Center area, and consists of a new 277,500 square-foot Class A office building that spans 13 floors plus a basement level. In allocating 525 Golden Gate Avenue costs, building tenants occupy 10,709 square feet (3.9% of total building square footage), which reduces the costs allocated to the Wholesale Customers.

Certificates of Participation, 2009 Series C and D, were issued by the City in October 2009 to fund the SFPUC headquarters building at 525 Golden Gate Avenue.

Operating, maintenance, capital expenses, and debt service payments pertaining to 525 Golden Gate Avenue are classified as Administrative and General expenses and are allocated to the three enterprises (Water, Hetch Hetchy, and Wastewater) based on square footage occupied by each enterprise based at 525 Golden Gate Avenue.

Statements of Changes in the Balancing Account

June 30, 2022

(j) Interest Earnings and Excess Funds Related to Bond Issuance

Interest earnings and excess funds available from funds associated with regional bonds – including Debt Service Reserves and Capital Projects Funds – are allocated between the Wholesale and Retail Customers based on the debt service allocation of the underlying bond series (see Note (4)(a)).

All interest earnings on Debt Reserve Funds are accounted for as credits against gross debt service in determining the net debt service amounts. Interest earnings from unexpended bond proceeds in the Capital Projects Funds are treated as additional funds available for project expenditures.

(k) Grants

The Wholesale Customers are allocated a proportional benefit from funds received by the SFPUC from (a) governmental grants, rebates, reimbursements, or other subventions or (b) private-sector grants for Regional capital or operating purposes. The Wholesale Customers' allocated benefit is based on any excess of grant revenues over expenses.

Bonds 2010 Series B, 2010 Series E, and 2010 Series G were issued as Build America Bonds, with the Federal government subsidizing a portion of the annual interest payments. The subsidy amount changes based on the Federal government's budget, and per agreement between the parties in the Fiscal Year 2015-16 Settlement Agreement, the cash receipts in a Fiscal Year are credited proportionally to the Wholesale Customers based on the underlying debt service allocation of each series. Beginning in Fiscal Year 2016-17, per the advice of the SFPUC's bond counsel, interest rebates from the taxable federal Build America Bonds are no longer credited against gross debt service due to federal sequestration. Instead, they are reflected as a governmental revenue credit; the impact on the Balancing Account from both treatments is the same.

(I) Wholesale Revenue Coverage Reserve and Working Capital Requirements

Under Article VI, Section 6.06 of the WSA, the SFPUC may require periodic deposits by the Wholesale Customers to fund a debt service coverage reserve account (the Wholesale Revenue Coverage Reserve) established and maintained by the SFPUC to meet debt service and minimum working capital requirements. The WSA sets the formula to calculate the debt service coverage and the working capital requirement. The ceiling of the Wholesale Revenue Coverage Reserve is the greater amount between the required debt service coverage and the working capital. Under Article VI, Section 6.06B of the WSA, any balance in the Wholesale Revenue Coverage Reserve in excess of the actual wholesale coverage requirement may be applied as a credit against wholesale rates in the following fiscal year, unless otherwise instructed by BAWSCA.

The Debt Service Coverage is calculated as the lesser of: (i) 25% of the Wholesale Customers' share of net annual debt service for the applicable fiscal year or (ii) the amount necessary to meet the Wholesale Customers' proportionate share of debt service coverage, less any credits for previous deposits and interest accruing to the Wholesale Revenue Coverage Reserve.

The working capital requirement prescribed in Article VI, Section 6.07 of the WSA is one-sixth (two months) of the annual wholesale allocation of operation and maintenance, administrative and general, and property tax expenses for the Water Enterprise and Hetch Hetchy.

Statements of Changes in the Balancing Account

June 30, 2022

Interest on the Wholesale Coverage Reserve is included as an adjustment to the Balancing Account based on the Wholesale Coverage Reserve balances, calculated working capital requirement and the City's pooled fund rate from the prior fiscal year. The entire Wholesale Coverage Reserve accrues interest at the City's pooled funds rate. If the average monthly Wholesale Coverage reserve balance is less than the calculated working capital requirement, interest on the Wholesale Coverage Reserve is reduced by calculated interest on the difference between the balance and the calculated working capital requirement.

(2) Balancing Account under the WSA

(a) Balancing Account Activity

The following summarizes activity in the Balancing Account under the WSA for the year ended June 30, 2022:

Table 2.1. Activity in the Balancing Account

Balancing account under the WSA, June 30, 2021	\$ (62,980,489)
Interest on adjusted beginning balance at 0.60%	(377,883)
Net wholesale revenue billed (note 5)	(257,016,936)
Transfer from Wholesale Coverage Reserve Transfer for BAWSCA water projects	2,278,271
(note 2c)	346,750
Transfer from Balancing Account for K-5 Prepayment	_
Calculated wholesale revenue requirement Interest on wholesale coverage	287,356,815
reserve excess (note 2b)	(247,850)
Balancing account under the WSA,	
June 30, 2022	\$ (30,641,321)

(b) Application of Balancing Account for Water Supply Projects

In March 2022, \$346,750 from the Balancing Account was transferred to BAWSCA to support water supply projects, as authorized by Article Vi, Section 6.05.B.2 of the WSA. This amount is deducted during the fiscal year, and reflected in the Balancing Account as of June 30, 2022.

Statements of Changes in the Balancing Account

June 30, 2022

(3) Proportional Annual Use and Adjusted Proportional Annual Use

The Proportional Annual Use and the Adjusted Proportional Annual Use for the Wholesale and Retail Customers since the inception of the WSA in Fiscal Year 2009–10 are summarized below:

Table 3.1. Proportional Annual Use and Adjusted Proportional Annual Use

			Adjusted Pro	oportional
	Proportional A	Annual Use	Annual	Use
Fiscal Year	Wholesale	Retail	Wholesale	Retail
2009-10	66.67%	33.33%	66.48%	33.52%
2010-11*	65.86	34.14	65.70	34.30
2011-12*	65.83	34.17	65.72	34.28
2012-13	66.56	33.44	66.43	33.57
2013-14	67.63	35.37	67.52	32.48
2014-15	65.67	34.33	65.56	34.44
2015-16	63.28	36.72	63.15	36.85
2016-17	64.27	35.73	64.12	35.88
2017-18*	66.04	33.96	65.91	34.09
2018-19*	65.68	34.32	65.52	34.48
2019-20*	66.99	33.01	66.90	33.10
2020-21*	69.94	30.06	69.76	30.24
2021-22	68.70	31.30	68.51	31.49

*adjusted for imputed water sales

(4) Capital Cost Contribution – New Regional Assets

(a) Debt-Funded Capital Projects

The Water Enterprise has previously issued revenue bonds to fund the construction of new regional capital assets. As of June 30, 2022, outstanding debt related to the construction of new regional capital assets included 11 different Water Revenue Bond Series, as well as 10 different Water Revenue Bond Series refunding all or a portion of other bonds. When a bond refunds more than one underlying bond series, the debt service is split out and allocated to the Wholesale Customers proportionally based on the allocation of the underlying bond. The following tables summarize the net debt service expenditures on outstanding debt related to the construction of new regional assets that was determined to be allocable to the Retail and Wholesale Customers.

The Water Enterprise and Hetch Hetchy Water paid \$276,110,980 in gross debt service on the bonds listed in the table below during the years ended June 30, 2022. The gross debt service is decreased to \$276,110,055 as of June 30, 2022, when other interest earnings and other cash on hand of \$925 are applied against the gross debt service payments.

Statements of Changes in the Balancing Account

June 30, 2022

Table 4.1. Debt Service Expenditures – New Regional Assets

	June 30, 2022			
	Principal	Net interest	Total	
Water Enterprise Bonds				
2010 Series B	\$ 12,330,000	\$ 21,019,158	\$ 33,349,158	
2010 Series E	· · · · · · · · · · · · · · · · · · ·	20,060,771	20,060,771	
2010 Series G	_	24,426,889	24,426,889	
2015 Series A/2006 Series A Refunding	15,325,000	16,586,038	31,911,038	
2015 Series A/2009 Series A Refunding	_	1,844,248	1,844,248	
2016 Series A/2009 Series A Refunding	10,485,000	12,858,606	23,343,606	
2016 Series A/2009 Series B Refunding	10,225,000	14,552,355	24,777,355	
2016 Series A/2010 Series F Refunding	2,605,000	6,767,367	9,372,367	
2016 Series C	5,820,000	8,748,152	14,568,152	
2017 Series A	—	1,349,999	1,349,999	
2017 Series B	—	1,646,493	1,646,493	
2017 Series D/2011 Series A Refunding	925,000	11,138,790	12,063,790	
2017 Series D/2012 Series A Refunding	—	6,114,745	6,114,745	
2017 Series G/2011 Series A Refunding	820,000	887,703	1,707,703	
2019 Series A/2010 Series F Refunding	11,040,000	102,882	11,142,882	
2019 Series A/2011 Series A Refunding	12,095,000	10,724,797	22,819,797	
2019 Series A/2012 Series A Refunding	1,270,000	8,761,526	10,031,526	
2020 Series A		14,313	14,313	
2020 Series B		6,020	6,020	
2020 Series E/2010 Series D Refunding	5,330,000	75,282	5,405,282	
2020 Series E/2012 Series A Refunding	440,000	6,317,683	6,757,683	
2020 Series E/2017 Series A Refunding	130,000	3,218,940	3,348,940	
2020 Series F/2017 Series B Refunding	1,425,000	3,599,423	5,024,423	
Subtotal Water Enterprise Bonds	90,265,000	180,822,180	271,087,180	
Hetch Hetchy Water Bonds				
2011 Series B	755,000	15,100	770,100	
2017 Series C	—	787,499	787,499	
2017 Series F/2011 Series B Refunding	—	435,250	435,250	
2019 Series B/2011 Series B Refunding	65,000	559,953	624,953	
2020 Series D		2,897	2,897	
2020 Series H/2017 Series C Refunding	680,000	1,722,176	2,402,176	
Subtotal Hetch Hetchy Water Bonds	1,500,000	3,522,875	5,022,875	
Total Debt Service Expenditures	\$ 91,765,000	\$ 184,345,055	\$ 276,110,055	

Statements of Changes in the Balancing Account

June 30, 2022

The following tables show the allocation of each bond series to retail and regional projects, as well as the Fiscal Year during which each bond reached substantially expended. Bond 2020 Series B and D reached substantially expended during the year ended June 30, 2022.

Statements of Changes in the Balancing Account

June 30, 2022

Table 4.2. Wholesale Customers Debt Service Allocation (%)

	June 30, 2022					
	Excluded Costs	Retail share	Regional share	Total	Substantially expended fiscal year	Allocation adjusted fiscal year
Water Enterprise Bonds						
2009 Series A	31.65	10.43	57.92	100.00	FY 09-10 7.06	
2009 Series B	0.85	12.51	86.64	100.00	FY 10-11	FY 15-16 7.06
2009 Series B 2010 Series B	0.02	7.13	92.85	100.00	FY 11-12	FY 15-16 7.06
	0.02	3.14	92.85 96.86			FY 21-22
2010 Series E		3.14		100.00	FY 15-16	FT 21-22
2010 Series G	_	_	100.00	100.00	FY 14-15	
2015 Series A/ 2006 Series A Refunding	33.71	13.10	53.19	100.00	FY 07-08	FY 09-10 7.06
2015 Series A/	00.71	10.10	55.15	100.00	1107-00	11 00-10 7.00
2009 Series A Refunding	31.65	10.43	57.92	100.00	FY 09-10	FY 09-10 7.06
2016 Series A/						
2009 Series A Refunding	31.65	10.43	57.92	100.00	FY 09-10	FY 09-10 7.06
2016 Series A/						
2009 Series B Refunding	0.85	10.31	88.84	100.00	FY 10-11	FY 21-22
2016 Series A/						
2010 Series F Refunding	_	_	100.00	100.00	FY 14-15	
2016 Series C	—	0.98	99.02	100.00	FY 20-21	
2017 Series A	_	0.54	99.46	100.00	FY 18-19	
2017 Series B*	_	70.40	29.60	100.00		
2017 Series D/						
2011 Series A Refunding	—	6.47	93.53	100.00	FY 14-15	
2017 Series D/						
2012 Series A Refunding	—	8.83	91.17	100.00	FY 18-19	
2017 Series G/						
2011 Series A Refunding	—	6.47	93.53	100.00	FY 14-15	
2019 Series A/			100.00	100.00	FY 14-15	
2010 Series F Refunding 2019 Series A/			100.00	100.00	FT 14-15	
2011 Series A Refunding	_	6.47	93.53	100.00	FY 14-15	
2019 Series A/		0.47	00.00	100.00	11 14 10	
2012 Series A Refunding	_	8.83	91.17	100.00	FY 18-19	
2020 Series A*	_	2.04	97.96	100.00		
2020 Series B*			100.00	100.00		
2020 Series E/			100.00	100.00		
2010 Series D Refunding	_	2.77	97.23	100.00	FY 11-12	FY 15-16 7.06
2020 Series E/						
2012 Series A Refunding	_	8.83	91.17	100.00	FY 18-19	
2020 Series E/						
2017 Series A Refunding	—	0.54	99.46	100.00	FY 18-19	
2020 Series F/						
2017 Series B Refunding*	—	70.40	29.60	100.00		
Hetch Hetchy Water Bonds						
2011 Series B		0.53	99.47	100.00	FY 18-19	
	—	0.55				
2017 Series C 2017 Series F/			100.00	100.00	FY 18-19	
2011 Series B Refunding	_	0.53	99.47	100.00	FY 18-19	
2019 Series B/		0.00	55.47	100.00	1110-15	
2011 Series B Refunding	_	0.53	99.47	100.00	FY 18-19	
2020 Series D	_	_	100.00	100.00	FY 21-22	
2020 Series H/						
2017 Series C Refunding	_	_	100.00	100.00	FY 18-19	
5						

* Expected allocation to be trued up when bond reaches Substantially Expended status (note 4a)

Statements of Changes in the Balancing Account

June 30, 2022

The table below shows the allocation of the net debt service in Table 4.1 using the percentages from Table 4.2. The regional share of all bonds except for 2011 Series B, 2017 Series C, and 2020 Series D is allocated based on Proportional Annual Use, which was 68.70%. Because 2011 Series B, 2017 Series C, and 2020 Series D fund Hetch Hetchy water -related capital project expenditures, the Wholesale share of the debt on these series for the year ended June 30, 2022 was allocated using the Adjusted Proportional Annual Use percentage of 68.51%

In total, \$161,696,442 in net debt service is allocated to the Wholesale Customers.

Statements of Changes in the Balancing Account

June 30, 2022

Table 4.3. Wholesale Customers Debt Service Allocation (\$)

	June 30, 2022					
	Excluded costs	Retail share	Regional share	Total	Proportional annual use	Total wholesale debt service
Water Enterprise Bonds						
2010 Series B	\$ 6,670	2,377,795	30,964,693	33,349,158	68.70%	21,272,744
2010 Series E	_	629,908	19,430,863	20,060,771	68.70%	13,349,003
2010 Series G	_	_	24,426,889	24,426,889	68.70%	16,781,273
2015 Series A/						
2006 Series A Refunding 2015 Series A/	10,757,211	4,180,346	16,973,481	31,911,038	68.70%	11,660,781
2009 Series A Refunding 2016 Series A/	583,704	192,355	1,068,188	1,844,248	68.70%	733,845
2009 Series A Refunding 2016 Series A/	7,388,251	2,434,738	13,520,617	23,343,606	68.70%	9,288,664
2009 Series B Refunding 2016 Series A/	210,608	2,554,545	22,012,202	24,777,355	68.70%	15,122,383
2010 Series F Refunding	_	_	9,372,367	9,372,367	68.70%	6,438,816
2016 Series C	_	142,768	14,425,384	14,568,152	68.70%	9,910,239
2017 Series A	_	7,290	1,342,709	1,349,999	68.70%	922,441
2017 Series B 2017 Series D/	_	1,159,131	487,362	1,646,493	68.70%	334,818
2011 Series A Refunding 2017 Series D/	_	780,527	11,283,263	12,063,790	68.70%	7,751,602
2012 Series A Refunding 2017 Series G/	_	539,932	5,574,813	6,114,745	68.70%	3,829,897
2011 Series A Refunding 2019 Series A/	_	110,488	1,597,215	1,707,703	68.70%	1,097,287
2010 Series F Refunding 2019 Series A/	_	_	11,142,882	11,142,882	68.70%	7,655,160
2011 Series A Refunding 2019 Series A/	-	1,476,441	21,343,356	22,819,797	68.70%	14,662,886
2012 Series A Refunding	_	885,784	9,145,742	10,031,526	68.70%	6,283,125
2020 Series A	_	292	14,021	14,313	68.70%	9,632
2020 Series B	_	_	6,020	6,020	68.70%	4,136
2020 Series E/						
2010 Series D Refunding 2020 Series E/	_	149,726	5,255,556	5,405,282	68.70%	3,610,567
2012 Series A Refunding 2020 Series E/	_	596,703	6,160,980	6,757,683	68.70%	4,232,593
2017 Series A Refunding 2020 Series F/	_	18,084	3,330,856	3,348,940	68.70%	2,288,298
2017 Series B Refunding		3,537,194	1,487,229	5,024,423	68.70%	1,021,726
Subtotal Water Enterprise Bonds	18,946,444	21,774,049	230,366,688	271,087,181		158,261,916
Hetch Hetchy Water Bonds						
2011 Series B	_	4,082	766,018	770,100	68.51%	524,799
2017 Series C 2017 Series F/	_	_	787,499	787,499	68.51%	539,516
2011 Series B Refunding 2019 Series B/	_	2,307	432,943	435,250	68.51%	296,609
2011 Series B Refunding	_	3,312	621,641	624,953	68.51%	425,886
2020 Series D 2020 Series H/	_	_	2,897	2,897	68.51%	1,985
2017 Series C Refunding			2,402,176	2,402,176	68.51%	1,645,731
Subtotal Hetch Hetchy Water Bonds		9,701	5,013,174	5,022,875		3,434,526
Total Debt Service Allocation	\$ 18,946,444	\$ 21,783,749	\$ 235,379,862	\$ 276,110,056		\$ 161,696,442

Statements of Changes in the Balancing Account

June 30, 2022

(b) Build America Bonds Federal Interest Subsidy

2010 Series B, 2010 Series E and 2010 Series G are Federally taxable bonds with Build America Bonds Subsidy (BABS) revenues. The following tables show total BABS revenues received of \$21,620,771, and wholesale shares credited to the Wholesale Customers of \$14,369,869.

Table 4.4. Build America Bonds Federal Interest Subsidy

		June 30, 2022					
Bond Series	1	Total BABs Subsidy	Regional Share	Proportional Annual Use		Wholesale Share	
2010 Series B 2010 Series E 2010 Series G	\$	(6,937,453) (6,621,132) (8,062,186)	92.85% 96.86% 100.00%	68.70% 68.70% 68.70%	\$	(4,425,259) (4,405,888) (5,538,722)	
	\$	(21,620,771)			\$	(14,369,869)	

(c) True-Up of Substantially Expended Bonds

Article V, Section 5.04 of the WSA requires the revised allocation factor be used in the year when a bond series becomes substantially expended and thereafter. The difference between the amount of net debt service paid by the Wholesale Customers prior to the year that the bond series became substantially expended and the amount of the net debt service that they should have paid will be included in the calculation of the Balancing Account in the year the bond series becomes substantially expended. Table 4.2 shows the Fiscal Year during which each bond reached substantially expended.

As of June 30, 2022, 2020 Series D reached substantially expended status. There were no debt service payments in prior fiscal years due to capitalized interest; as a result, the required true-up is zero.

(d) True-up of Debt Service Allocation of WSIP Bonds

In the Fiscal Year 2009-10 7.06 Settlement Agreement, the parties agreed that the debt service allocation on bonds related to the Water System Improvement Project (WSIP) may need to be adjusted to properly reflect the final use of proceeds. This adjustment, which would impact the allocation of debt service beginning in Fiscal Year 2009-10, is to occur at or near the completion of WSIP. As WSIP is over 99% complete by dollar value as of Fiscal Year 2021-22, the SFPUC incorporated this adjustment in the Fiscal Year 2021-22 Wholesale Revenue Requirement.

This adjustment changed the allocation of Bonds 2009 Series B and 2010 Series E from percentages last established in the Second Fiscal Year 2015-16 WSA Section 7.06 settlement agreement. For 2009 Series B and 2016 Series A refunding 2009 Series B, a true-up of \$3,527,805 is incorporated to account for the change from the prior allocation of 86.64% regional projects to the final allocation of 88.84% regional projects. For 2010 Series E, a true-up of \$21,666 is incorporated to account for the change from the prior allocation of 96.83% regional projects to the final allocation of 96.86% regional projects.

Statements of Changes in the Balancing Account

June 30, 2022

Table 4.5. True-up of Debt Service Allocation of WSIP Bonds

	Regiona		Change in		
Bond series	Per FY 2015-16 settlement agreement	Revised for WSIP completion	Change in regional share	sh	vholesale are of net ebt service
2009 Series B	86.64%	88.84%	2.20%	\$	2,363,282
2010 Series E 2016 Series A/	96.83	96.86	0.03		21,666
Refunding 2009 Series B	86.64	88.84	2.20		1,164,523
Total				\$	3,549,471

(e) Credits for Debt Service Reserve Releases

In Fiscal Year 2021-22, funds held by the trustee for a debt service reserve were determined to be no longer needed and released to the SFPUC. These funds are not earmarked for any specific purpose and were added to the SFPUC's fund balance. As required by WSA Article V, Section 5.10.D, a proportionate share of the revenue is credited the Wholesale Customers for bonds which fund Regional Water or Hetch Hetchy Water projects. For Bonds 2011 Series A and B, a total credit of \$456,894 is applied to the Fiscal Year 2021-22 WRR.

Table 4.6. Credit for Debt Service Reserve Releases

		June 30, 2022					
Bond series	Reserve Regional release share		Proportional annual use	Credit to wholesale customers			
2011 Series A 2011 Series B	\$ (827 (669,676	/	68.70% 68.51	\$ (531) (456,363)			
Total	\$ (670,503	3)		\$ (456,894)			

Statements of Changes in the Balancing Account

June 30, 2022

(f) Revenue-Funded Capital Projects – Water Enterprise

The following is a summary of the wholesale share of appropriations for regional revenue-funded capital projects under the Water Enterprise for the year ended June 30, 2022.

Table 4.7. Revenue-Funded Capital Projects – Water Enterprise

	June 30, 2022						
Project Description	Appropriations		-		Wholesale share		
Buildings & Grounds Communications & Monitoring Watershed & Land Management	\$	615,819 481,862 18,861,000	68.70% 68.70 68.70	\$	423,068 331,039 12,957,507		
Fiscal Year 2021-22 Total	\$	19,958,681		\$	13,711,614		

(g) Revenue-Funded Capital Projects – Hetch Hetchy Share

There were no appropriations for Hetch Hetchy Water revenue-funded capital projects for the year ended June 30, 2022.

(h) Excess Accumulation of Unexpended and Unencumbered Appropriation

Collections for revenue-funded regional capital assets are based on appropriation rather than actual expenditures. To prevent excess accumulation of unexpended and unencumbered appropriation, WSA Section 6.08 requires a review and adjustment of the Wholesale Revenue-Funded Capital Fund balance.

As of June 30, 2022, the Wholesale Revenue-Funded Capital Fund balance is \$36,865,674, more than the target amount based on cumulative annual appropriations and expenditures. This excess balance is transferred to the Balancing Account. Activity in the Wholesale Revenue Funded Capital Fund is shown in the tables below.

Table 4.8. Annual Activity in Wholesale Capital Fund

	FY 2021-22
Beginning Wholesale Capital Fund Balance	\$ 56,639,396
Annual Appropriation	13,711,614
Annual Expenditures	(18,131,205)
Interest Earnings	326,578
Subtotal Balance Before Transfers	52,546,382
Amount Encumbered as of June 30, 2022	(15,680,709)
Unencumbered Balance Before Transfers	36,865,674

Statements of Changes in the Balancing Account

June 30, 2022

Table 4.9. True-Up of Balance in Wholesale Capital Fund

Lesser of Target Balance, or Cumulative Unspent Wholesale Capital Fund	\$ 32,710,806 56,499,171	
Target Balance (Less) Unencumbered Balance Before Transfer	32,710,806 (36,865,674)	1
Deficiency/(Excess) in Reserve	(4,154,868)	1
Lesser of \$4,000,000 or Calculated Reserve Deficiency	4,000,000 (4,154,868)	
Wholesale Capital Fund, Before Adjustments Transfer From/(To) Balancing Account	52,546,382 (4,154,868)	1
Ending Total Balance	\$ 48,391,515	_

(5) Wholesale Revenue Billings

During the year ended June 30, 2022, the SFPUC billed a total of \$257,016,936 (net of amounts remitted to BAWSCA) in wholesale revenue for costs of service associated with deliveries from the regional water system. As applicable, a portion of these billings relate to deposits by the Wholesale Customers to meet their Wholesale Revenue Coverage Reserve and Working Capital Reserve requirements per Article VI, Section 6.06 and Section 6.07 of the WSA, respectively. For the year ended June 30, 2022, the balance in the Wholesale Revenue Coverage Reserve was lower than required, and so \$2,278,271 was transferred to the Wholesale Revenue Coverage Reserve and Working Capital Reserve from the Balancing Account, decreasing total revenues for the Fiscal Year. The net amount billed after transfer from the Coverage Reserve, and which is applied to the revenue requirement, is \$254,738,665.

Gross and net wholesale revenue billings are summarized below:

Table 5.1. Wholesale Revenue Billings

	FY 2021-22
Gross wholesale amounts billed – net of adjustments	\$ 257,016,936
Transfer to wholesale revenue coverage reserve	(2,278,271)
Net wholesale revenues billed	\$ 254,738,665

(6) Wholesale Revenue Coverage Reserve

(a) Activity in the Wholesale Revenue Coverage Reserve During the Years ended June 30, 2022

During the years ended June 30, 2022, \$2,278,271, was transferred to the Wholesale Revenue Coverage Reserve in accordance with Article VI, Section 6.06 of the WSA. As of June 30, 2022, the

Statements of Changes in the Balancing Account

June 30, 2022

Wholesale Revenue Coverage Reserve balance was \$39,841,037, representing total deposits since July 1, 2009.

Table 6.1. Wholesale Revenue Coverage Reserve

	Wholesale revenue
	coverage reserve
Balance, June 30, 2021	\$ 37,562,766
Deposits to wholesale revenue coverage reserve (note 2a)	2,278,271
Balance, June 30, 2022	\$ 39,841,037

(b) Net Interest on Wholesale Coverage Reserve

As of July 1, 2021, the Wholesale Revenue Coverage Reserve amount exceeded the Working Capital Requirement of 60 days of the wholesale share of Operations and Maintenance, Administrative and General, and Property Taxes, as shown in the below table. Net interest of \$247,850, calculated as the annual interest on the Wholesale Revenue Coverage Reserve less any Working Capital Requirement not met, is credited to the Balancing Account in favor of the Wholesale Customers during the year ended June 30, 2022, in accordance with Article VI, Section 6.06 of the WSA.

Table 6.2. Net Interest on Wholesale Coverage Reserve

	Debt service coverage requirement	Working capital coverage requirement	Net interest
Calculation of adequacy of reserve requirement: Wholesale revenue coverage			
reserve balance, July 1, 2021 Coverage reserve requirement,	\$ 37,562,766	37,562,766	
July 1, 2021	(37,562,766)	(19,405,764)	
Coverage reserve excess/(deficiency)	<u>\$ </u>	18,157,002	
Net interest due (to) from Wholesale Customers			(247,850)

Statements of Changes in the Balancing Account

June 30, 2022

(7) 2013 Rim Fire

In August 2013, the SFPUC's Hetch Hetchy Water and Power was challenged by the third largest fire in California history, the Rim Fire, in Stanislaus National Forest and Yosemite National Park, which burned over 250,000 acres. Through the U.S. Department of Homeland Security Federal Emergency Management Agency and the State of California Office of Emergency Services, federal and state awards are available on a cost-sharing basis to the City to help offset the costs of emergency work and the repair or replacement of facilities damaged by the Rim Fire. Additionally, many of the SFPUC assets affected by the Rim Fire were insured.

Cumulative total expenses through June 30, 2022 related to facilities and infrastructure damage, and costs related to emergency response to approximately net of reimbursements to-date from insurance and federal and state awards totals approximately \$7.8 million. The WRRs for the years ended June 30, 2014 through June 30, 2021 did not include complete allocation of the Rim Fire related costs because insurance reimbursements, government grants, and expenditures have not been finalized. SFPUC will finalize the allocation of Rim Fire related costs to Wholesale Customers once final expense amounts and related cost reimbursements are known. That allocation will include a proportional allocation of all reimbursements, and account for debt service already paid by the Wholesale Customers on any projects funded by bond series. An estimate of \$1.9 million may be due from the Wholesale Customers.

(8) Implementation of WSA Asset Classification Amendment

Timing for implementation of the SFPUC adopted December 11, 2018 WSA amendments directly affecting the calculation of the Wholesale Revenue Requirement is still to be discussed and agreed upon. The SFPUC will share a plan for implementation of these amendments with Wholesale Customers before proceeding with implementation. While the other amendments which impact the WRR have been implemented, a true-up of expenditures relating to Hetch Hetchy Water asset classification remains outstanding as of Fiscal Year 2021-22.

Article V, Sections 5.11 and 5.12 and Attachment R of the WSA were amended to clarify the classification of Hetch Hetchy Water assets. For the assets shown in the table below, the classification of operating expenses will remain as shown in the "Asset Classification" column, but specific capital project expenses, going forward and retroactively to the date shown in the table, will be reclassified. The methodology for implementing these changes, especially the required retroactive adjustment, will be discussed between the SFPUC and Wholesale Customers. Adjustments to the Balancing Account to reflect the revised capital classification will be incorporated as expediently as possible; the amount of adjustments is not known at this time.

Asset	Asset Classification	Project Classification
Lower Cherry Aqueduct	Joint	Water
Mountain Tunnel Interim Work	Joint	Water
Mountain Tunnel Long Term Repairs	Joint	Water
Mountain Tunnel Flow Control Facility	Joint	Joint
Kirkwood Penstock	Power	Joint

Table 8.1. Capital Project Expenses Classification

Statements of Changes in the Balancing Account

June 30, 2022

Asset	Asset Classification	Project Classification
Moccasin Penstock	Power	Joint
Moccasin Lower Dam	Water	Joint

(9) Wholesale Customer Review of Fiscal Year 2020-21 Wholesale Revenue Requirement

Article VII, Section 7.06 of the WSA provides the Wholesale Customers the right to conduct a review of the SFPUC's calculation of the annual changes in the Balancing Account.

The Wholesale Customer review of the Fiscal Year 2020-21 calculation is ongoing. All prior fiscal years have been resolved via settlement agreements described in prior Statements to the Changes in the Balancing Account, with the exception of the asset classification amendment reallocation described in Note 8 above.