Voluntary Disclosure
City of Los Angeles
Fiscal Year 2018-19

$188,755,000
Wastewater System Revenue Bonds, Series 2015-A (Green Bonds)
CUSIP 53945C

The City has designated the capital improvements to be financed with the proceeds of the above series of bonds as "Green Projects" based on the environmental benefits of these capital facilities. These projects include processes at water reclamation facilities that remove pollutants, wastewater collection and pumping facilities that reduce sewage spills, water recycling projects, renewable energy projects and air quality projects that support the construction and operation of wastewater facilities. The proceeds of the Wastewater System Revenue Bonds, Series 2015-A (Green Bonds) (the "Series 2015-A Bonds") will be used to: (i) finance the construction and improvement of the City's wastewater system, including environmentally beneficial projects or portions thereof, (ii) fund a deposit to the Reserve Fund, and (iii) pay certain costs of issuing the Series 2015-A Bonds. The proceeds of the Series 2015-A Bonds were deposited into segregated accounts.

Sources and Uses of Funds

Sources of Funds	
Principal Amount	$ 188,755,000.00
Net Original Issue Premium	$ 20,953,899.50
Total	**$ 209,708,899.50**
Estimated Uses of Funds	
Deposit to Reserve Fund	$ 9,004,467.00
Deposit to Construction Fund	$ 200,000,000.00
Costs of Issuance	704,432.50
Total	**$ 209,708,899.50**

In the Official Statement for the Series 2015-A Bonds, the City stated its intention of filing annual updates regarding the use of proceeds on the EMMA website by December 31 after each fiscal year until all proceeds of the Series 2015-A Bonds are expended. A cumulative total of $199,988,447 (rounded to the nearest dollar) has been expended on Green Projects through the Fiscal Year ending June 30, 2019. Please see the attached tables for a listing of projects financed by the Series 2015-A Bonds by Fiscal Year. Please note that no proceeds were expended in Fiscal Years 2014-15 and 2018-19.

Attachment 1

Voluntary Disclosure
City of Los Angeles Green Bonds Annual Report
$188,755,000 Wastewater System Revenue Bonds, Series 2015-A (Green Bonds)
(CUSIP 53945C)
Fiscal Year 2015-16

Category	Project Description	Amount Expended as of June 30, 2016*
Collection System and Pumping Facilities	$17,257,000 was spent on twelve collection system rehabilitation and diversion projects. The rehabilitation of these aging sewers and the creation of diversions to allows rerouting of flow in the sewers and reduces the likelihood of sewage spills. $1,216,000 was spent on four projects at the collection system pumping plants to enhance system reliability by replacing obsolete and aging equipment and a corroded discharge manifold.	$ 18,473,000
Wastewater Treatment Facilities which support the overall treatment objective of meeting the discharge standards in the National Pollution Discharge Elimination System (NPDES) permits and producing clean water for reuse.	• $9,979,000 was spent on thirteen projects at the Hyperion Water Reclamation Plant that: o Improve biological and physical treatment of the wastewater o Provide recycled water for use within the facility o Replace the pumps that lift the wastewater so it can flow by gravity through the second part of the plant o Replace the corroded header at the Effluent Pump Plant and corroded structural supports for a pipe rack that transports digester gas, a renewable source of energy o Control odors at the facility where biosolids are loaded onto trucks for hauling to a farm where the biosolids are beneficially used as fertilizer o Provide process control for all treatment systems at the plant • $3,237,000 was spent on three projects at the Los Angeles-Glendale Water Reclamation Plant that: o Replace corroded process piping o Replace a leaking membrane liner at the effluent finishing pond • $8,096,000 was spent on four projects at the Donald C. Tillman Water Reclamation Plant that: o Procure and install screw pumps that lift the wastewater to a higher elevation so it can flow by gravity through the plant o Repair eroded concrete and corroded piping at the aeration tanks o Treat air from the treatment process to prevent corrosion of the aeration blowers • $7,720,000 was spent on five projects at the Terminal Island Water Reclamation Plant that: o Provide process control at the plant o Replace aging equipment in the aeration system to improve operation efficiency o Rehabilitate deteriorated components of the tertiary filters	29,032,000

Attachment 1

Category	Project Description	Amount Expended as of June 30, 2016*
Renewable Energy Projects	$37,979,000 was spent on five projects related to the Hyperion Digester Gas Utilization Project (DGUP), which uses digester gas to produce green renewable energy. These include the following: a cogeneration facility; improvements at the digester gas desulfurization facility, which improves the quality of the gas; rehabilitation of pumps and construction of a pipeline to provide cooling water to the facility; expansion of a receiving station for fats, oil and grease delivered to the plant to increase the energy produced by DGUP; and upgrades to the system necessary to safely and environmentally flare the gas in case of outages at the cogeneration facility.	37,979,000
Water Recycling Project	$4,986,000 was spent on an expansion of the Advanced Water Purification Facility (AWPF) at the Terminal Island Water Reclamation Plant. The AWPF provides additional treatment of the plant effluent water to make it suitable for reuse by customers in the vicinity of the plant. The project will more than double the amount of water available for reuse.	4,986,000
		$ 90,470,000

* Expenditures rounded to the nearest thousand.

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Voluntary Disclosure
City of Los Angeles Green Bonds Annual Report
$188,755,000 Wastewater System Revenue Bonds, Series 2015-A (Green Bonds)
(CUSIP 53945C)
Fiscal Year 2016-17

Category	Project Description	Amount Expended as of June 30, 2017*
Collection System and Pumping Facilities	$26,235,000 was spent on twenty collection system rehabilitation and diversion projects. The rehabilitation of these aging sewers and addition of diversions to manage flow reduces the likelihood of sewage spills. An additional $7,093,000 was spent on eleven projects at the collection system pumping plants to enhance system reliability by replacing obsolete and aging equipment and a corroded discharge manifold.	$ 33,328,000
Wastewater Treatment Facilities which support the overall treatment objective of meeting the discharge standards in the National Pollution Discharge Elimination System (NPDES) permits and producing clean water for reuse.	• $13,704,000 was spent on fourteen projects at the Hyperion Water Reclamation Plant that: o Improve biological and physical treatment of the wastewater o Provide recycled water for use within the facility o Replace the pumps that lift the wastewater so it can flow by gravity through the second part of the plant o Replace the corroded header at the Effluent Pump Plant and corroded structural supports for a pipe rack that transports digester gas, a renewable source of energy o Control odors at the facility where biosolids are loaded onto trucks for hauling to a farm where the biosolids are beneficially used as fertilizer o Provide process control for all treatment systems at the plant • $1,587,000 was spent on the six projects at the Los Angeles-Glendale Water Reclamation Plant that: o Replace corroded process piping o Replace process equipment that provides denitrification and tertiary-level treatment to the effluent o Replace a leaking membrane liner at the effluent finishing pond • $4,460,000 was spent on seven projects at the Donald C. Tillman Water Reclamation Plant that: o Procure and install screw pumps that lift the wastewater to a higher elevation so it can flow by gravity through the plant o Repair eroded concrete and corroded piping at the aeration tanks o Treat air from the treatment process to prevent corrosion of the aeration blowers o Provide automated process control • $8,172,000 was spent on five projects at the Terminal Island Water Reclamation Plant that: o Provide process control at the plant o Replace aging equipment in the aeration system to improve operation efficiency o Rehabilitate deteriorated components of the tertiary filters	27,923,000
Renewable Energy Projects	$31,421,000 was spent on four projects related to the Hyperion Digester Gas Utilization Project (DGUP), which uses digester gas to produce green renewable energy. These include the following: a cogeneration facility; improvements at the digester gas desulfurization facility, which improves the quality of the gas; rehabilitation of pumps and construction of a pipeline to provide cooling water to the facility; and upgrades to the system necessary to safely and environmentally flare the gas in case of outages at the power facility.	31,421,000

Attachment 1

Category	Project Description	Amount Expended as of June 30, 2017*
Water Recycling Project	$16,586,000 was spent on an expansion of the Advanced Water Purification Facility (AWPF) at the Terminal Island Water Reclamation Plant. The AWPF provides additional treatment of the plant effluent water to make it suitable for reuse by customers in the vicinity of the plant. The project will more than double the amount of water available for reuse.	16,586,000
		$ 109,258,000

* Expenditures rounded to the nearest thousand.

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Voluntary Disclosure
City of Los Angeles Green Bonds Annual Report
$188,755,000 Wastewater System Revenue Bonds, Series 2015-A (Green Bonds)
(CUSIP 53945C)
Fiscal Year 2017-18

Category	Project Description	Amount Expended as of June 30, 2018*
Collection System and Pumping Facilities	The Central Outfall Sewer at 59th St and Fourth Ave, Pierce Street & Woodman Ave Diversion Sewer, Secondary Sewer Renewal Program - P20 Colorado Blvd & Townsend Ave, Secondary Sewer Renewal Program - N14 Temple St & Glendale Blvd, and the PP674 190th & Vermont Generator Replacement projects.	$ 157,000
Wastewater Treatment Facilities which support the overall treatment objective of meeting the discharge standards in the National Pollution Discharge Elimination System (NPDES) permits and producing clean water for reuse.	DCT Blower Air Cleanup System, HWRP Headworks Grit Handling Improvements, HWRP Intermediate Pumping Station Screw Pumps Installation and Upgrade, LAG Clean Water Control System Replacement, and the TIWRP AWPF Microfiltration System Package Procurement projects.	104,000
		$ 261,000

* Expenditures rounded to the nearest thousand.