



# **CLARK REGIONAL WASTEWATER DISTRICT**

**VANCOUVER, WASHINGTON**



**COMPREHENSIVE ANNUAL FINANCIAL REPORT  
FOR THE FISCAL YEAR ENDED DECEMBER 31, 2019**

# **CLARK REGIONAL WASTEWATER DISTRICT**

**Vancouver, Washington**

## **COMPREHENSIVE ANNUAL FINANCIAL REPORT**

**FOR THE FISCAL YEAR ENDED DECEMBER 31, 2019**

**PREPARED BY THE  
CLARK REGIONAL WASTEWATER DISTRICT FINANCE DEPARTMENT**

### **DISTRICT STAFF**

Ken Andrews, CPA  
John M. Peterson, P.E.

Finance Director/Treasurer  
General Manager

### **BOARD OF COMMISSIONERS**

Norm Harker  
L. Neil Kimsey  
John "Denny" Kiggins

President  
Vice President  
Secretary



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**CLARK REGIONAL WASTEWATER DISTRICT  
VANCOUVER, WASHINGTON**

**COMPREHENSIVE ANNUAL FINANCIAL REPORT**

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For the fiscal year ended December 31, 2019

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June 16, 2020

President Harker and Members  
of the Board of Commissioners

We are pleased to submit the Comprehensive Annual Financial Report (CAFR) for Clark Regional Wastewater District (District) for the fiscal year ended December 31, 2019. The financial statements are presented in conformity with Generally Accepted Accounting Principles (GAAP) and audited in accordance with Generally Accepted Auditing Standards (GAAS) by independent auditors, represented by the Office of the Washington State Auditor.

This report has been prepared to conform to the principles of accounting and reporting established by the Governmental Accounting Standards Board (GASB) and by the American Institute of Certified Public Accountants (AICPA). Specific accounting treatments are detailed in the Notes to the Financial Statements and found in the Financial Section of this report (see pages 27-56).

The CAFR is developed to provide meaningful financial information to legislative bodies, creditors, investors, community partners and others with interest in the District's financial position. The Finance department prepares the report and the District is responsible for the accuracy, completeness and fairness of all data presented and representations made. We believe the data presented is accurate in all material aspects and that the manner in which it is presented fairly discloses the financial position of the District at December 31, 2019, and the results of operations and cash flows for the year ending December 31, 2019.

Management is responsible for establishing and maintaining an internal control structure designed to ensure that the assets of the District are protected from loss, theft or misuse, and to ensure that adequate accounting data is compiled to allow for the preparation of financial statements in conformity with GAAP. The internal control structure is designed to provide reasonable assurance that these objectives are met. The concept of reasonable assurance recognizes that the cost of control should not exceed the benefits likely to be derived, and the valuation of costs and benefits requires estimates and judgments by Management.

Pursuant to Chapter 43.09.310 Revised Code of Washington (RCW), an independent audit is performed annually. The Office of the Washington State Auditor performs the audit which, in addition to meeting the requirements of state statutes, is also designed (if applicable) to meet the requirements of the Office of Management and Budget's (OMB) *Uniform Administrative Requirements, Cost Principles, and Audit*

*Requirements for Federal Awards.* The auditor's report on our financial statements and related notes are included in the Financial Section of this report.

Although the District is not required by state statute or administrative rule to formally adopt a budget, the Board of Commissioners (Board) formally adopts an annual budget as a financial plan and to use as a budgetary control for District expenses. The budget process starts with the submission of budget decision packages, which are reviewed by Management and brought to the Board for consideration at a budget workshop. Finance staff prepares a preliminary detailed budget based upon the goals, strategies, decision packages, prior year budget to actual performance and policies adopted by the Board at the budget workshops. Budget proceedings occur at the regular commissioner meetings, which are open to the public for questions and comments. After a formal public hearing is conducted for ratepayer input on the proposed budget, the Board approves and adopts a final budget in December.

The information presented in the financial statements is perhaps best understood when it is considered within the context of the accompanying Management's Discussion and Analysis (pages 15-20) and Notes (pages 27-56).

## **DISTRICT PROFILE**

This report includes all activities for the Clark Regional Wastewater District. The District is an independent local utility and not a segment or component unit of any other local government. The District is a Special Purpose District organized under the laws of the State of Washington, RCW Title 57, to provide sanitary sewer service to specific areas in Clark County, Washington. The District provides sewer services to over 34,600 accounts in unincorporated Clark County and the City of Ridgefield. The District's customer base is comprised of both residential and commercial customers. The District is a public agency, formed by public election on May 22, 1958, by a group of businessmen who realized that septic systems would be inadequate to meet the sanitary sewer needs of the area's growing population.

Oversight of the District is provided by three elected officials forming the Board of Commissioners who reside within District boundaries and are elected at-large by voters from the District service area. The Board is responsible for the management, control, direction and operation of the District and its policies and business procedures.

The District office is located three miles north of the Vancouver, Washington downtown area. Access to the District office is provided by two major highway systems: Interstates 5 and 205. The District employs sixty-two (62) people who work at the District office and in the field. Five departments within the District include Operations, Administration, Business Services, Finance and Engineering. Below is a definition and scope for each of these departments.

The Operations department, staff of twenty-one (21), manages over 726 miles of sewer mainlines and laterals and 76 pump stations, which are encompassed throughout the approximate 46 square-miles of service area. The department also operates and maintains three satellite sewer systems in the areas of Van Ridge, Meadow Glade and Hockinson. These satellite systems include up to 867 individual Septic Tank Effluent Pumping (STEP) tanks and their associated force mains. In addition to mainline maintenance, the department is responsible for maintaining the grounds and buildings on the District campus, as well as performs minor repairs and maintenance to District vehicles. The department continues to use technology to assist with pump station monitoring using the Supervisory Control and

Data Acquisition (SCADA) system and the Master Series Asset Management System (MMS) to assist with the scheduling of line maintenance.

The Administration department, staff of eleven (11), provides oversight and support to all District departments, essential administrative support for the governing body and initiates contracting for professional support as needed. Discovery Clean Water Alliance (Alliance) was incorporated on January 4, 2013. The District's Administration department, via an Administrative Lead Contract, has provided executive and administrative services for the Alliance since incorporation in 2013.

The Business Services department, staff of four (4) provides Human Resources, Risk Management, Succession Planning, IT Services and Pretreatment. Human Resources administers employment, compensation/classification, employee relations, training and employee development, personnel record management, personnel policies, procedure development, legal compliance and internal consulting.

The Finance department, staff of eleven (11), provides accounting functions such as payroll, accounts payable and financial reporting, treasury management, forecasting and budget oversight, financial application systems development, and customer service to approximately 34,600 District utility accounts in 2019. The Finance department continues to streamline and upgrade its internal processes to promote greater efficiencies and provide excellent customer service. The department answered over 34,500 phone calls from customers, mailed over 180,000 customer bills, e-mailed over 35,000 e-bills and assisted about 1,400 walk-in customers. The District's Finance department, via an Administrative Lead contract, has provided accounting and treasury services for the Alliance since incorporation in 2013.

The Engineering department, staff of fifteen (15), provides engineering services to the District and District customers under the direction of a licensed Professional Engineer. The services include development review, facility planning, Geographic Information Services (GIS), design, construction management and inspection services. The District's Engineering department, via an Administrative Lead contract, began providing capital program management and capital project delivery services for the Alliance January 1, 2015.

A capital projects engineer provides professional insight into necessary capital construction projects and replacement and restoration projects. Long-range planning precedes sub-basin planning and provides valuable information about the infrastructure needed to support urban incorporation by Clark County. This insight remains crucial for the successful planning of future infrastructure needs for current and future District customers.

## **ECONOMIC CONDITIONS AND OUTLOOK**

The District is located in southwest Washington and its boundaries reside within Clark County, Washington. Clark County borders northwest Oregon, including Multnomah County and the greater Portland metropolitan area.

The District has realized benefits related to a robust economy throughout 2019. At the end of 2019, the unemployment rate in Clark County was 3.9%, compared to the 5.0% rate at the end of 2018. In addition, the state and national average unemployment rates were 4.0% and 3.5%, respectively, as of December 2019, both less than the 4.9% and 3.9% rates reported in December 2018. Over the year, Washington personal income grew 6.3%, easily surpassing the 4.4% national rate.



Private-sector and public-sector employment in the State increased 1.9% and 1.1%, respectively, in 2019. The top three industry sectors with the largest employment gains in 2019 are:

- Professional and business services
- Leisure and Hospitality
- Education and health services

District sewer permits issued for new connections reflected continued strong economic growth. New construction connections to the public sewer system decreased by 168 or 12.1% in 2019 from 2018, with a total of 1,225 permits issued in 2019 (see Schedule 17 for details). Construction projects in the District service area that required new sewer services from 2017 through 2019 were as follows:

Construction Projects	2019	2018	2017
New subdivisions	34	44	25
New single family lots	1,460	1,564	1,108
Commercial developments	12	8	11
Commercial equivalent residential units	3	5	32
Apartment units	285	534	328

The District will continue to monitor construction projects for trends, to assess potential impacts on operations and customers. The District’s ability to strategically plan adequate resources, for future capital needs for its customers, will ensure that appropriate and adequate investments are made in collection system assets throughout the service area. Preserving the financial condition of the District and building upon its financial health are primary goals. The District continues to seek better economies of scale and eliminate redundancies in its operations.

As the District navigates the COVID-19 developments in Clark County, businesses, nonprofits, city and county municipalities, educational and other institutions are negatively impacted. Washington Governor Jay Inslee’s stay-at-home order recognizes wastewater services as an essential business, so the District continues operating largely normally through the entire period, but in a new business format as the District largely decentralized its workforce with the majority of office staff working from home. Operations crews are working on high priority items. The District expects development related revenue and expenditures to decline over the next one to two years followed by above trend growth once the economy recovers and built up demand is satisfied.

Some significant elements in maintaining a healthy financial condition include:

1. Instituting and maintaining fiscal and debt policies which adequately cover the management and planning of system improvements, replacements and other capital disbursements.
2. Optimizing operating costs to meet customer needs (electronic monitoring of pump stations, instituting building permits module for use by all departments, GIS mapping, etc.).
3. Maintaining adequate but favorable rates through low-cost financing of capital projects to meet the District’s objectives and facilitate customer growth.
4. Assessing financial input from advisors, the public and other interested parties.

5. Closely monitoring and making necessary improvements to the existing system of pump stations, collection and transmission lines.

The District adopted its updated Comprehensive General Sewer Plan in December 2017. It is reviewed every six years in conjunction with Clark County's Comprehensive Plan Update. The District is developing a plan for the future expansion of the wastewater system throughout the approximate forty-seven square-mile service territory. The plan is based upon current adopted land use planning assumptions and population and demographic projections. It includes forecasting construction and financing of infrastructure needs to provide new service, as well as the restoration and replacement of existing infrastructure for the 20-year planning horizon.

Since the District has no taxing authority, it must rely solely on revenues from monthly sewer service and connection charges. Monthly sewer service charges fund operations and the costs for collection, transportation and treatment of wastewater. In 2019, the base monthly service rate increased by \$1 per month per ERU from 2018. A portion of the monthly service charge is held in reserve for the restoration and/or replacement of existing infrastructure and future vehicle and equipment needs. In addition, a portion is held in reserve to meet debt service requirements. System Development Charges (SDCs) are paid on new connections whose wastewater flows to the Salmon Creek and Ridgefield treatment plants (owned by the Alliance) or the City of Vancouver's Westside treatment plant. State statute authorizes entities providing sewer service to assess this charge representing the owner's equitable share of the system as a condition to granting the right to connect.

In May of 2013, the District adopted two agreements outlining guiding principles of agreed upon service levels, providing for coordination of wastewater services with the City of Vancouver (Vancouver). The principles allow for Vancouver to annex parts of the District's service area within the Vancouver Urban Growth Boundary over time but maintain the cost-effective District services for sewer collection for the foreseeable future.

In 2014, the City of Ridgefield (Ridgefield) transferred ownership of all its sewer utility collection system physical assets and all (approximately 2,000) sewer utility customers to the District.

In 2013, Discovery Clean Water Alliance (Alliance) was formally incorporated by the four partner agencies (the District, Clark County, City of Ridgefield and City of Battle Ground). The Alliance was formed to support a framework where all parties charged with owning, operating or using wastewater treatment services could collectively make decisions together on the delivery of those services to the public within Clark County. This opportunity to jointly own and jointly manage regional infrastructure relied on by vested parties was an underlying theme that future members came to support, to manage both long-term costs and long-term capacity needs. The Alliance owns and operates transmission lines, pump stations and treatment plants to provide sewer treatment service to the mid-Clark County region (Cities of Ridgefield and Battle Ground and the District's central service area) effective January 1, 2015.

## **AWARDS AND ACKNOWLEDGEMENTS**

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to Clark Regional Wastewater District for its Comprehensive Annual Financial Report (CAFR) for the fiscal year ended December 31, 2018. This was the thirty-first (31) consecutive year that the District has achieved this prestigious award. In

order to be awarded a Certificate of Achievement, a government must publish an easily readable and efficiently organized CAFR. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We anticipate that our current CAFR will continue to meet the Certificate of Achievement program’s requirements and we are submitting it to the GFOA to determine its eligibility for another certificate. As of December 31, 2018, it has been thirty-eight (38) consecutive years without an audit finding.


The American Public Works Association (APWA) compiles best practices and recommended management practices from across the U.S. and Canada. It then provides that information and a guidance manual for other public works entities to assess the adequacy of their management practices. Public works organizations can then seek accreditation by the APWA through a multi-day onsite evaluation of their practices outlined by the APWA. The District was originally accredited in 2005 and re-accredited in 2009 and 2015. The District is the first and only Special Purpose Government to carry the APWA Accreditation in North America. The purpose of the accreditation process is to provide a means of formally verifying and recognizing public works agencies for compliance with the recommended practices set forth in the Public Works Management Practices Manual. The accreditation process is completely voluntary.

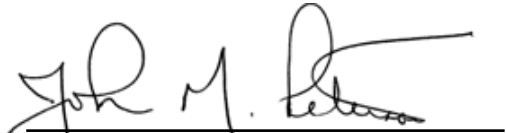
**Acknowledgments**

This report was made possible by the staff of the Finance department, the (Washington) Water and Sewer Risk Management Pool, the Washington Department of Retirement Systems (DRS) and all other departments of the District. Each member of the District, the President, Commissioners, General Manager and the related agencies above, have our sincere appreciation for the contributions made in the preparation of this report.

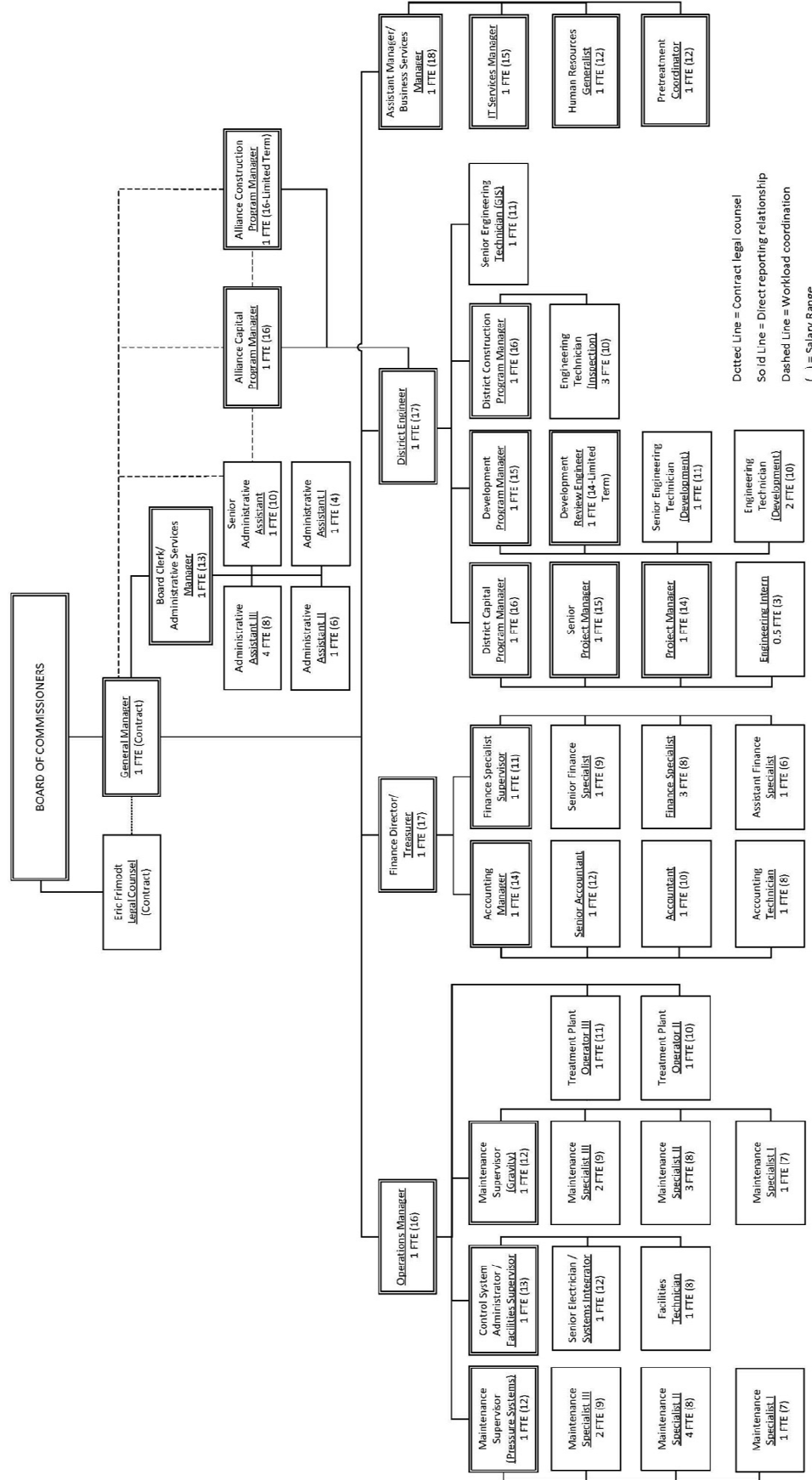
This report is intended to provide complete and reliable information that can be used to make management decisions, determine compliance with legal provisions and evaluate responsible stewardship of District assets.

Respectfully submitted,

  
\_\_\_\_\_  
Ken Andrews, CPA  
Finance Director

  
\_\_\_\_\_  
John M. Peterson, P.E.  
General Manager

**CLARK REGIONAL WASTEWATER DISTRICT  
ORGANIZATIONAL CHART**



Dotted Line = Contract legal counsel  
 Solid Line = Direct reporting relationship  
 Dashed Line = Workload coordination  
 ( ) = Salary Range  
 Total FTE: 61.5

**CLARK REGIONAL WASTEWATER DISTRICT  
 DIRECTORY OF OFFICIALS**

RCW 57.12.010 provides for a Board of Commissioners consisting of three members to serve as governing body for the District. Each Commissioner serves a 6-year term with elections held every two years.

**ELECTED COMMISSIONERS DURING 2019**

<b><u>Position</u></b>	<b><u>Elected Official</u></b>	<b><u>Term Expiration</u></b>
President	Norm Harker	December 2021
Vice President	L. Neil Kimsey	December 2019
Secretary	John “Denny” Kiggins	December 2023

**APPOINTIVE**

<b><u>Position</u></b>	<b><u>Appointed Employee</u></b>
General Manager	John M. Peterson, P.E.
Assistant Manager/Business Services Manager	Shawn Moore, P.E.
Finance Director/Treasurer	Ken Andrews, CPA
Attorney	Eric Frimodt

**MAILING ADDRESSES**

**Office:** P.O. Box 8979  
 Vancouver, WA 98668-8979

**Attorney:** Inslee, Best, Doezie & Ryder, P.S.  
 P.O. Box C-90016  
 Bellevue, WA 98009-9016

**CLARK REGIONAL WASTEWATER DISTRICT  
GFOA CERTIFICATE OF ACHIEVEMENT**



Government Finance Officers Association

**Certificate of  
Achievement  
for Excellence  
in Financial  
Reporting**

Presented to

**Clark Regional  
Wastewater District  
Washington**

For its Comprehensive Annual  
Financial Report  
for the Fiscal Year Ended

**December 31, 2018**

*Christopher P. Morill*

Executive Director/CEO

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**Office of the Washington State Auditor  
Pat McCarthy**

**INDEPENDENT AUDITOR'S REPORT ON FINANCIAL STATEMENTS**

June 16, 2020

Board of Commissioners  
Clark Regional Wastewater District  
Vancouver, Washington

**REPORT ON THE FINANCIAL STATEMENTS**

We have audited the accompanying financial statements of the Clark Regional Wastewater District, as of and for the year ended December 31, 2019, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

**Management's Responsibility for the Financial Statements**

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

**Auditor's Responsibility**

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or



error. In making those risk assessments, the auditor considers internal control relevant to the District's preparation and fair presentation of the financial statements 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 the District's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

### **Opinion**

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Clark Regional Wastewater District, as of December 31, 2019, and the changes in financial position and cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

### **Matters of Emphasis**

As discussed in Note 13 to the financial statements, in February 2020, a state of emergency was declared that could have a negative financial effect on the District. Our opinion is not modified with respect to this matter.

### **Other Matters**

#### ***Required Supplementary Information***

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and required supplementary information listed in the table of contents be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

***Supplementary and Other Information***

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the District's basic financial statements as a whole. The Introduction and Statistical Section are presented for purposes of additional analysis and are not a required part of the basic financial statements of the District. Such information has not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on it.

**OTHER REPORTING REQUIRED BY GOVERNMENT AUDITING STANDARDS**

In accordance with *Government Auditing Standards*, we will also issue our report dated June 16, 2020, on our consideration of the District's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the District's internal control over financial reporting and compliance.

Sincerely



Pat McCarthy

State Auditor

Olympia, WA

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**CLARK REGIONAL WASTEWATER DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED DECEMBER 31, 2019**

## INTRODUCTION

As management of the Clark Regional Wastewater District (District), we offer readers of the District's financial statements this narrative overview and analysis of the financial activities for the fiscal year ended December 31, 2019. We encourage readers to consider the information presented here in conjunction with additional information that we have furnished in our letter of transmittal, which can be found on pages 1-6 of this report.

The following Management's Discussion and Analysis is intended to serve as an introduction to the District's basic financial statements, the notes to the financial statements and, if applicable, any other supplementary information required as part of the basic financial statements. Please refer to the accompanying Notes to the Financial Statements, which can be found on pages 27-56.

The District is not legally required to adopt a budget, however, does so as a measure of monitoring revenues and controlling expenses. The Board of Commissioners adopts an annual budget and uses it as a financial plan for the District. The District has not reported budgetary comparison schedules herein as required supplementary information.

The District's financial statements present a Special Purpose District organized under the laws of the State of Washington, Revised Code of Washington (RCW), Title 57, to provide sanitary sewer service to specific areas in Clark County, Washington. The District is not a segment of any other local government nor is it a component unit thereof. The financial statements are presented in a manner similar to a private-sector business.

The District uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. A fund is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities (i.e. sewer service). The District reports its activities as a single enterprise fund, which is a type of proprietary fund.

The *Statement of Net Position* presents information on all the District's assets, deferred outflows, liabilities and deferred inflows with the difference reported as net position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the District is improving or deteriorating.

The *Statement of Revenues, Expenses and Changes in Fund Net Position* display the change in the District's net position during the most recent fiscal year. All changes in net position are reported as soon as the underlying event occurs regardless of the timing of related cash flows.

The *Statement of Cash Flows* presents the cash flow from operations, non-capital financing and from capital and related financing, as well as from investing activities.

**CLARK REGIONAL WASTEWATER DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED DECEMBER 31, 2019**

**Financial Highlights**

- The District had a total net position of \$227.3 million at December 31, 2019. Of this amount, \$33.1 million is classified as unrestricted and may be used to meet the District's ongoing obligations.
- The District's change in net position was \$15.8 million for 2019. The 2019 increase is primarily a result of capital contributions from developers and connection charges totaling \$20.9 million.
- In 2019, the District made regular principal payments of \$0.6 million and an additional principal payment of \$1.7 million for the redemption of outstanding 2012 Sewer Revenue Bonds. Regular principal payments on PWTF loans totaled \$1.2 million.

**Assets, Deferred Outflows, Liabilities, Deferred Inflows and Net Position**

<u>December 31</u>	<u>2019</u>	<u>2018</u>	<u>2019 to 2018 Change</u>	<u>%</u>
<i>Assets</i>				
Current and other assets	\$ 43,390,887	\$ 47,510,735	\$ (4,119,848)	-8.7%
Capital assets (net of depreciation) and construction work in progress	<u>209,253,276</u>	<u>194,432,171</u>	<u>14,821,105</u>	7.6%
Total assets	<u>252,644,163</u>	<u>241,942,906</u>	<u>10,701,257</u>	
Deferred Outflows	678,308	480,210	198,098	41.3%
<i>Liabilities</i>				
Long-term liabilities	18,964,683	22,846,376	(3,881,693)	-17.0%
Other liabilities	<u>5,996,665</u>	<u>7,198,237</u>	<u>(1,201,572)</u>	-16.7%
Total liabilities	<u>24,961,348</u>	<u>30,044,613</u>	<u>(5,083,265)</u>	
Deferred Inflows	1,059,369	862,094	197,275	22.9%
<i>Net position</i>				
Net investment in capital assets	194,189,964	175,959,713	18,230,251	10.4%
Restricted - debt service reserve	-	541,765	(541,765)	-100.0%
Unrestricted	<u>33,111,790</u>	<u>35,014,931</u>	<u>(1,903,141)</u>	-5.4%
Total net position	<u>\$ 227,301,754</u>	<u>\$ 211,516,409</u>	<u>\$ 15,785,345</u>	

**CLARK REGIONAL WASTEWATER DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED DECEMBER 31, 2019**

- Current and other assets decreased in 2019 by \$4.1 million or 8.7%, entirely due to a decrease in cash and investment balances. This decrease is associated with the redemption of outstanding sewer bonds and increased capital related spending.
- Long-term liabilities decreased in 2019 by \$3.9 million or 17.0% due to the redemption of outstanding sewer bonds.
- Deferred outflows and deferred inflows of resources fluctuate annually due to the change in proportionate share of state-calculated pension deferred outflows and inflows.

## **CAPITAL ASSET AND DEBT ADMINISTRATION**

### **Capital Assets**

Investment in capital assets includes land, buildings, pump stations, collection and transmission lines, machinery and equipment, construction work in progress and intangible assets. The District's total net capital assets as of December 31, 2019, were \$209.3 million. This increase of \$14.8 million or 7.6% from 2018 is due to several major capital assets events during the fiscal year, including the following:

- In 2019, donated capital assets from developers totaled \$10.1 million.
- During 2019, the District placed \$12.5 million of construction work in progress into service as infrastructure projects were completed.
- For further explanations of the capital asset activity of the District, please refer to Note 4, Capital Assets, page 33.

### **Long-Term Liabilities**

- During 2019, the District decreased its loan and bond liabilities by a total of \$3.5 million. This decrease was driven partially by regular principal payments on outstanding loans and redemption of outstanding sewer bonds. Please refer to the Long-Term Liabilities, Note 3, pages 31-32, for more detailed information regarding long-term debt activity.
- In 2019, the District's net pension liability decreased by \$0.3 million or 13.2% from 2018, primarily as a result of better than expected earnings on pension plan investments and improved projected assumptions. See Note 7, pages 41-47, for further details.

**CLARK REGIONAL WASTEWATER DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED DECEMBER 31, 2019**

**Revenues, Expenses and Changes in Net Position**

	2019	2018	2019 to 2018 Change	%
Revenues				
Operating revenue				
Charges for services	\$ 21,657,362	\$ 20,307,186	\$ 1,350,176	6.6%
Permits	142,625	166,170	(23,545)	-14.2%
Miscellaneous	1,325,177	1,008,571	316,606	31.4%
Non-operating revenue				
Interest and investment income	1,240,450	849,485	390,965	46.0%
Other non-operating revenue	873,342	598,802	274,540	45.8%
Total revenues	<u>25,238,956</u>	<u>22,930,214</u>	<u>2,308,742</u>	
Expenses				
Operating expenses	29,845,244	30,068,732	(223,488)	-0.7%
Non-operating expenses				
Other non-operating expenses	368,469	211,947	156,522	73.8%
Loss on disposal of asset	(290)	228,256	(228,546)	-100.1%
Interest expense	119,554	138,329	(18,775)	-13.6%
Total expenses	<u>30,332,977</u>	<u>30,647,264</u>	<u>(314,287)</u>	
EXCESS (DEFICIENCY) BEFORE CONTRIBUTIONS	<u>(5,094,021)</u>	<u>(7,717,050)</u>	2,623,029	-34.0%
CAPITAL CONTRIBUTIONS	<u>20,879,366</u>	<u>21,098,294</u>	<u>(218,928)</u>	-1.0%
CHANGE IN NET POSITION	15,785,345	13,381,244	2,404,101	18.0%
NET POSITION, January 1	211,516,409	198,967,117	12,549,292	6.3%
CHANGE IN ACCOUNTING PRINCIPLE	-	<u>(831,952)</u>	831,952	
NET POSITION, December 31	<u>\$ 227,301,754</u>	<u>\$ 211,516,409</u>	<u>\$ 15,785,345</u>	

- Service revenues increased in 2019 by \$1.4 million or 6.6% due both to an increase in number of connections to sewer service and a rate increase of \$1 per month per Equivalent Residential Unit (ERU). Miscellaneous revenues increased by 31.4% over 2018, to \$1.3 million. This increase is a direct result of the District taking over operations of the Ridgefield Treatment Plant effective July 1, 2018, and 2019 being the first full year of the District as operator.
- Actual ERU growth was 1,728 and 1,951 ERUs for 2019 and 2018, respectively.
- Interest and investment income in 2019 increased by 46.0% from 2018 due to rising interest rates, as well as improved gains on investments in 2019. The District continues to actively manage and diversify its investments outside of the State and County pools to maximize interest earnings.
- Other non-operating revenue increased by \$0.3 million or 45.8% in 2019. This increase was driven by an increase in Administrative Lead Revenues, specifically from an increased need for capital-related support.

**CLARK REGIONAL WASTEWATER DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED DECEMBER 31, 2019**

- The District receives System Development Charge (SDC) revenues, based on a tiered system, in an effort to support economic development within the District service area. The revenue from this charge is used for new infrastructure and capital projects within the District service area. Connection fee revenues (SDCs) for 2019 totaled \$10.5 million compared to \$9.8 million in 2018. These charges per connection increase by \$400 in each tier in 2019 from 2018. The 2019 charges per connection are as follows:

Tier	Treatment Plant	SDC
1	Vancouver (VTP)	\$ 2,120
2	Salmon Creek (SCTP)	\$ 5,108
3	Ridgefield (RFTP)	\$ 7,950

- The remaining increase in capital contributions is a result of increased donated capital. The District received \$10.1 million in 2019 compared to \$11.0 million in 2018. This 8.6% decrease is a result of slightly decreased development activity within the District's service area.
- Operating expenses for 2019 decreased over 2018 by \$0.2 million or 0.7%. The main drivers for this decrease are:
  - Depreciation and amortization decreased by \$2.8 million or 26.4%, primarily due to the retirement of a future treatment capacity right, classified as an intangible asset, at the end of 2018.
  - Treatment contract services are the largest category of operating expenses. It increased \$2.0 million or 21.3%, mainly due to increased Regional Service Charge rates due to the Alliance as it expanded operations and increased capital activity.
  - Labor costs reflect an increase of \$0.3 million or 8.2% due to annual salary wage and cost of living increases, as well as three full-time employees added to the District. Related benefit costs increased by \$0.2 million or 9.8% for 2019 as a function of salary increases as well as a small increase in pension contribution rates.
  - Professional services costs increased \$0.2 million or 27.9% in 2019 over 2018. This increase is due both to additional professional services needed relating to development in the District's service area and also professional services required in operating the Ridgefield Treatment Plant.
  - Other operating expenses increased \$0.2 million or 16.0% in 2019 over 2018 as a direct result of the District taking over operations of the Ridgefield Treatment Plant effective July 1, 2018 and 2019 representing the first full year of operations.



**CLARK REGIONAL WASTEWATER DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED DECEMBER 31, 2019**

**Cash Flows**

Wastewater collection is a very capital and asset intensive utility service. The District's current system, inclusive of the Ridgefield service area, is spread across 47 square-miles. Significant portions of the service area are undeveloped and require major infrastructure improvements and investments. Other portions of the system are over 50 years old and are beginning to reach their useful life. Growth in sewer service customers and service charges help fund capital expansion of the Alliance-owned Salmon Creek and Ridgefield wastewater treatment plants. Customer utility payments provide the necessary annual cash flow to cover operating activities and partially support capital needs of the District.

**Economic Factors and Next Year's Budget and Rates**

The District's economic condition improved during 2019. These improvements are due largely to the District's customer base growing by 3.4% from 33,535 customer accounts in 2018 to 34,668 in 2019, and continued substantial capital contributions from development related activity.

The following economic factors currently affect the District and were considered in developing the 2020 fiscal year budget:

- Service charges will increase by \$1 per month per Equivalent Residential Unit.
- Capital spending on existing infrastructure is driven by the results of a criticality assessment performed by the District during 2018 in conjunction with the General Sewer Plan prepared and adopted by the District in 2019.
- Increases in inflation and interest rates are expected during 2020.
- Increases in expenses are expected in health insurance premiums, as well as pension and other employee benefit costs.
- The District continues to purchase a pooled group liability insurance policy to protect itself from unforeseen losses in excess of the member deductible.
- Total Equivalent Residential Units (ERUs) are anticipated to increase by 1,690, or 3.6% in 2020.
- Sewer Revenue Bond issuance budgeted at \$11.1 million to fund the District Campus Improvements Project.

**Requests for Information**

This financial report is designed and intended to provide a general overview of the District's financial position. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the Clark Regional Wastewater District, Finance Director/Treasurer, PO Box 8979, Vancouver, WA 98668-8979 or <http://www.crwwd.com>

**CLARK REGIONAL WASTEWATER DISTRICT**  
**2019**  
**FINANCIAL STATEMENTS**

**CLARK REGIONAL WASTEWATER DISTRICT  
STATEMENT OF NET POSITION  
DECEMBER 31, 2019**

	2019
<b>ASSETS</b>	
Current Assets:	
Cash and cash equivalents	\$ 15,948,002
Investments (at fair value)	11,047,480
Receivables	
Customer accounts	1,879,124
Contracts (current and delinquent)	52,696
Interest	143,353
Due from other governments	668,160
Prepaid expenses	176,550
Total current assets	29,915,365
Noncurrent Assets:	
Investments (at fair value)	13,230,090
Contracts receivable	245,432
Capital assets not being depreciated:	
Land and land rights	578,745
Construction work in progress	3,798,748
Total capital assets not being depreciated	4,377,493
Capital assets being depreciated:	
Buildings	3,819,377
Improvements other than buildings	682,384
Infrastructure	240,146,644
Equipment	3,605,807
Less: accumulated depreciation	(60,221,674)
Total capital assets being depreciated	188,032,538
Capital assets being amortized:	
Intangible assets, including future treatment capacity rights	49,383,521
Less: accumulated amortization	(32,540,276)
Total capital assets being amortized	16,843,245
Total noncurrent assets	222,728,798
<b>TOTAL ASSETS</b>	252,644,163
<b>DEFERRED OUTFLOWS of RESOURCES</b>	
Amounts related to pension	673,084
Amounts related to OPEB	5,224
<b>TOTAL DEFERRED OUTFLOWS of RESOURCES</b>	\$ 678,308

Continued on next page

The notes to the financial statements are an integral part of this statement.

**CLARK REGIONAL WASTEWATER DISTRICT  
STATEMENT OF NET POSITION  
DECEMBER 31, 2019**

Continued from previous page

	2019
<b>LIABILITIES</b>	
Current Liabilities:	
Accounts payable	\$ 3,498,906
Interest payable	44,082
Retainage payable	309,375
Revenue collected in advance	452,116
System development charge (SDC) credits	167,000
Construction deposits	238,728
Compensated absences	50,843
Loans payable	1,225,163
Total current liabilities	5,986,213
Noncurrent Liabilities:	
Compensated absences	514,083
System development charge (SDC) credits	845,160
Loans payable	13,528,774
Net pension liability	1,713,369
Total other postemployment benefits (OPEB) liability	2,373,749
Total noncurrent liabilities	18,975,135
<b>TOTAL LIABILITIES</b>	<b>24,961,348</b>
<b>DEFERRED INFLOWS of RESOURCES</b>	
Amounts related to pensions	1,059,369
<b>TOTAL DEFERRED INFLOWS of RESOURCES</b>	<b>1,059,369</b>
<b>NET POSITION</b>	
Net investment in capital assets	194,189,964
Unrestricted	33,111,790
<b>TOTAL NET POSITON</b>	<b>\$ 227,301,754</b>

The notes to the financial statements are an integral part of this statement.

**CLARK REGIONAL WASTEWATER DISTRICT  
STATEMENT OF REVENUES, EXPENSES  
AND CHANGES IN FUND NET POSITION  
YEAR ENDED DECEMBER 31, 2019**

	2019
<b>OPERATING REVENUES</b>	
Charges for services	\$ 21,657,362
Permits	142,625
Other operating revenue	1,325,177
Total operating revenues	23,125,164
<b>OPERATING EXPENSES</b>	
Salaries and wages	4,551,023
Personnel benefits	1,837,831
Supplies	533,302
Professional services	743,432
Insurance	162,423
Repairs and maintenance	387,864
Treatment contract services	11,661,011
Taxes	547,652
Other operating expense	1,696,074
Depreciation and amortization	7,724,632
Total operating expenses	29,845,244
Operating income (loss)	(6,720,080)
<b>NON-OPERATING REVENUES (EXPENSES)</b>	
Interest and investment revenue	1,240,450
Other non-operating revenue	873,342
Gain/loss on disposal of capital assets	290
Interest expense	(119,554)
Other non-operating expense	(368,469)
Total non-operating revenue (expenses)	1,626,059
Income before contributions	(5,094,021)
<b>CAPITAL CONTRIBUTIONS</b>	20,879,366
Change in net position	15,785,345
<b>TOTAL NET POSITION, January 1</b>	211,516,409
<b>TOTAL NET POSITION, December 31</b>	\$ 227,301,754

The notes to the financial statements are an integral part of this statement.

**CLARK REGIONAL WASTEWATER DISTRICT  
STATEMENT OF CASH FLOWS  
YEAR ENDED DECEMBER 31, 2019**

	2019
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>	
Receipts from customers and users	\$ 22,648,382
Payments to suppliers	(14,418,637)
Payments to employees	(6,614,792)
Payments for taxes	(543,155)
Other reimbursements	(358,700)
Other revenues	1,172,684
Net cash from operating activities	1,885,782
<b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES</b>	
Receipts for future system improvements	10,233,033
Proceeds from sale of capital assets	290
Principal paid on long-term debt	(3,521,677)
Interest paid on long-term debt	(127,093)
Acquisition and construction of capital assets	(13,948,353)
Net cash from capital and related financing	(7,363,800)
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>	
Purchase of investments	(7,075,538)
Proceeds from maturing or called investments	7,020,237
Interest on investments	933,577
Interest on contracts	14,394
Net cash from investing activities	892,670
<b>NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS</b>	(4,585,348)
<b>CASH AND CASH EQUIVALENTS, January 1</b>	20,533,350
<b>CASH AND CASH EQUIVALENTS, December 31</b>	<b>\$ 15,948,002</b>

Continued on next page

The notes to the financial statements are an integral part of this statement.

**CLARK REGIONAL WASTEWATER DISTRICT  
STATEMENT OF CASH FLOWS  
YEAR ENDED DECEMBER 31, 2019**

Continued from previous page

	2019
<b>RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH FROM OPERATING ACTIVITIES</b>	
Utility operating income (loss)	\$ (6,720,080)
Adjustments to reconcile operating income to net from operating activities	
Depreciation and amortization expense	7,724,632
(Increase) decrease in accounts receivable	(133,931)
(Increase) decrease in due from other governments	14,207
(Increase) decrease in prepaid expenses	(12,964)
(Increase) decrease in deferred outflows	(198,098)
Increase (decrease) in warrants payable	807,044
Increase (decrease) in accounts payable	(27,417)
Increase (decrease) in due to other governments	(70,724)
Increase (decrease) in accrued employee benefits	49,073
Increase (decrease) in revenue collected in advance	13,009
Increase (decrease) in pension obligation (net)	(261,117)
Increase (decrease) in deferred inflows	197,275
Non-operating expenses	(368,469)
Non-operating revenues	873,342
Total adjustments	8,605,862
Net cash from operating activities	\$ 1,885,782
<b>NONCASH INVESTING, CAPITAL AND FINANCING ACTIVITIES</b>	
Contributions of capital assets from developers or governments	10,065,053
Increase (decrease) in fair value of investments	264,679
Issuance (receipt) of capital contract receivable	97,485
Noncash capital financing	112,531
Change in capital related accounts payable	(1,580,200)

The notes to the financial statements are an integral part of this statement.

**Note 1 – General Description of the District and Summary of Significant Accounting Policies**

The financial statements of the District have been prepared in conformity with generally accepted accounting principles (GAAP). The Governmental Accounting Standards Board (GASB) is the accepted standard setting body for establishing governmental accounting and financial reporting principles. The significant accounting policies are described below.

**Reporting Entity** – The Hazel Dell Sewer District (District) was incorporated on May 22, 1958, and operates under the laws of the state of Washington applicable to Special Purpose Districts in order to provide sanitary sewers in the collection, transport and treatment of wastewater within its legal boundaries. The District changed its legal name to Clark Regional Wastewater District effective January 1, 2006. The District operates under an independent, three-member elected Board of Commissioners as provided by Revised Code of Washington (RCW) Title 57, with the General Manager responsible for the daily management of operational and administrative activities of the District.

As required by GAAP, management has considered all potential component units in defining the reporting entity. Utilizing the criteria set forth by GASB for component units, the District has evaluated all legal entities that would potentially qualify as a component unit and be included in the financial statements of the District. The District concludes it has no component units. The District's financial statements include the financial position and results of operation of a single enterprise that the District manages and has custodial responsibility over the assets and liabilities therein.

**Basis of Accounting and Presentation** – The accounting records of the District are maintained in accordance with methods prescribed by the State Auditor under authority chapter 43.09. The District uses the Uniform Chart of Accounts as prescribed within the Budgeting, Accounting and Reporting System (BARS) Manual for Special Purpose Districts reporting in conformity with GAAP.

The District accounts for its operations within a proprietary fund, which is similar to a private business enterprise. The District's statements are reported using the economic resources measurement focus and full-accrual basis of accounting. Revenues are recorded when earned and expenses are recorded when liability is incurred regardless of the timing of the cash flows.

The District distinguishes between operating revenues and expenses from non-operating items. Operating revenues are derived from the sewer services provided to the ratepayers of the District. Operating expenses include the cost of providing sewer services (i.e. maintenance, engineering, treatment and administration), as well as depreciation and amortization of capital assets. All revenues and expenses not meeting the above criteria are reported as non-operating revenues and expenses, such as interest income and expense.

**Cash and Cash Equivalents** – For the purposes of the Statements of Net Position and Cash Flows, the District considers all highly liquid investments with a maturity of three months or less when purchased to be cash equivalents. All amounts held in the Local Government Investment Pool (LGIP) and Clark County Investment Pool (CCIP) accounts are considered to be cash equivalents. Investments purchased with an original maturity of more than three months are classified as investments. See Note 5 on pages 34 through 37 for detailed information about the District's deposits and investments.

**Investments** – Certain investments are reported at fair value in accordance with GASB Statement No. 72, *Fair Value Measurement and Application*, on quoted market prices for securities purchased by the



**Note 1 – General Description of the District and Summary of Significant Accounting Policies (Continued)**

District. All investments held have readily available market prices. The change in fair value is reported in the Statement of Revenues, Expenses and Changes in Net Position as an increase or decrease to investment assets and investment income. Realized gains or losses on the maturity or disposition of securities are not separately disclosed. Likewise, some investments are reported at amortized cost. See Note 5 on pages 34 through 37 for detailed information about the District’s investments.

**Receivables** – Customer accounts receivable represent user charges owed from private individuals or organizations for sewer services, which are recognized as earned. All accounts receivables are due from users within the service area of the District. Since the District records liens on the property served and, ultimately, may foreclose on such property, payments on delinquent accounts are eventually received.

Contracts receivables are related to construction costs, as well as any applicable financing costs corresponding to such sanitary sewer construction for a particular property or group of properties. Contracts are provided under state statutes and direct the process in which the District extends sanitary sewer services to properties. Contracts are recorded as an enforceable lien on the property when they are levied. These receivables consist of current, delinquent and deferred billed principal with related interest and penalties.

**Due from Other Governments** – The District is contracted by the Alliance to provide Administrative Lead services. The District invoices the Alliance monthly for Administrative Lead services provided, which includes staff time and expense for professional consulting, IT support and various utilities expenses.

**Prepaid Expenses** – The District uses the consumption method to account for prepaid expenses.

**Capital Assets** – Capital assets, which include property, plant, equipment and infrastructure assets (e.g. collection and transmission system and pumping stations), are reported at historical cost. Capital assets are defined by the District as assets with an initial cost of more than \$5,000 and a useful life of more than one year. Donated capital assets are recorded at acquisition value at the date of donation.

Costs for additions or improvements to capital assets are capitalized when they increase the effectiveness or efficiency of the asset. Major outlays for capital assets and improvements are capitalized as projects are constructed. The costs for normal maintenance and repairs are not capitalized.

Property, plant and equipment of the District is depreciated using the straight-line method over the following estimated useful lives:

Buildings	50 years
Pumping station components	10 - 50 years
Collection and transmission system	75 years
Machinery, furniture and equipment	5 - 20 years
Intangible assets	5 - 20 years

See Note 4 on page 33 for detailed information about the District’s capital assets.

**Note 1 – General Description of the District and Summary of Significant Accounting Policies (Continued)**

**Intangible Assets** – The District currently recognizes its future treatment capacity rights in the Alliance’s Salmon Creek Treatment Plant as a component of the District’s net capital assets, in compliance with GASB Statement No. 51, “Accounting and Financial Reporting for Intangible Assets.”

**Payables** – Accounts payable and other current liabilities consist of amounts owed to private individuals or organizations for goods and services and employees for amounts for which checks have not yet been prepared.

**SDC Credits** – Prior to transferring its collection system to the District, the City of Ridgefield issued System Development Charge (SDC) credits to developers. The developers retain these credits that are available to be used upon connecting to the District’s collection system.

**Compensated Absences** – Accumulated but unpaid compensated absences (vacation and sick leave) are recorded as liabilities as earned. Vacation may accumulate up to a maximum of 360 hours or, for those restricted to contracts, the contract amount, although the maximum compensable payout allowed is 240 hours. Sick leave earned, vested and unused by District employees is compensable at 50% of its value upon voluntary termination, retirement or death and is also recorded as a District liability. Sick leave may accumulate beyond 960 hours for an employee; however, 50% of 960 hours is the maximum payout allowed. Total accrued unpaid compensated absences (vacation and sick leave) amounted to \$564,926 at December 31, 2019.

**Long-Term Debt** – See Note 3, Long-Term Liabilities (pages 31-32) for detailed information about the District’s long-term debt.

**Pensions and Deferred Inflows / Outflows of Resources** – For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of all state sponsored pension plans and additions to/deductions from those plans’ fiduciary net position have been determined on the same basis as they are reported by the Washington State Department of Retirement Systems. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value. Amounts relating to pensions are further detailed in Note 7 – Pension Plans, pages 41 through 47.

**Note 2 – Accounting and Reporting Changes**

The District implemented GASB 88, *Certain Disclosures Related to Debt, including Direct Borrowings and Direct Placement*. This statement clarifies the definition of debt and requires state and local governments to disclose additional information related to debt in the Notes to the Financial Statements, specifically amounts of unused lines of credit, assets pledged as collateral for debt, and terms specified in debt agreements related to significant 1) events of default with finance-related consequences, 2) termination events with finance-related consequences, and 3) subjective acceleration clauses. See Note 3 – Long-Term Liabilities (pages 31-32).

The District implemented GASB 89, *Accounting for Interest Cost Incurred before the end of a Construction Period*, on January 1, 2019. The objective of this standard is to improve financial reporting by providing users of financial statements with more relevant information about capital assets and the cost of borrowing for a reporting period and to simplify accounting for interest cost incurred before the end of a construction period. This statement requires that interest cost incurred before the end of a construction period be recognized as an expense in the period in which the cost is incurred.

### Note 3 – Long-Term Liabilities

**Direct Placement Revenue Bonds** – Revenue bonds are authorized and adopted by the Board of Commissioners for construction of capital additions. Sewer revenues of the District provide the security for repayment of District debt. The District issued sewer revenue bonds totaling \$5,417,645 in November 2012. Proceeds were used to reimburse the District for reserves used to retire Clark County’s 2001 sewer revenue bonds. Regular debt service on the bonds for 2019 totaled \$600,000 (\$557,274 principal and \$42,726 interest). In 2019, the District paid off the remaining principal on these bonds of \$1,739,241 and related accrued interest of \$1,530.

**Direct Borrowings** – The State of Washington has a low-cost financing program that allows public entities in the state to finance public works (i.e. collection transmission facilities). This program is administered by the State of Washington Public Works Trust Fund (PWTF) Board, who has approved three loans to the District through December 31, 2019. Remaining loans from the state PWTF will be repaid over a period not to exceed twenty (20) years at the stated interest rates.

Construction was funded through use of these loans as follows:

- Gee Creek Trunk Sewer project with loans, issued notices of completion and final draws were executed by the City of Ridgefield in 2008. This loan was transferred to the District on January 1, 2014, as part of the collection system transfer of operations.
- Discovery Corridor Wastewater Transmission System was completed in 2016. The District and the City of Ridgefield were each directly approved for \$10,000,000 loans. The total \$20,000,000 of approved loans funded design and substantial construction activities. The initial loan draws were made in June 2013 and July 2013, respectively. On January 1, 2014, the City’s loan was transferred to the District as part of the transfer of its collection system operations. As of December 31, 2019, the District is fully drawn on both the loan directly issued to the District and the loan transferred from Ridgefield.

Below is a schedule of loans containing a description of each loan, its use, and outstanding balance as of December 31, 2019:

<u>Public Works Trust Fund Loans</u>	<u>Loan Number</u>	<u>Notice of Completion</u>	<u>Approved Loan Amount</u>	<u>Balance</u>	<u>Interest Rate</u>
Gee Creek Trunk Sewer	PW-05-691-047	February 2008	\$ 1,597,606	\$ 503,902	1.0%
Discovery Corridor Wastewater Transmission System	PC-12-951-034	March 2017	10,000,000	7,023,472	0.5%
Discovery Corridor Wastewater Transmission System	PC-13-961-040	March 2017	10,000,000	<u>7,226,563</u>	0.5%
				<u>\$14,753,937</u>	

For 2019, the District paid \$1,307,997 (\$1,225,162 principal and \$82,835 interest) on the PWTF loans the District is carrying an outstanding balance on as of December 31, 2019. In the event the District defaults on a payment on these loans, a monthly penalty of 1% (12% per annum) will be assessed.

The annual debt service requirements for the outstanding PWTF loans payable are as follows:

**Note 3 – Long-Term Liabilities (Continued)**

Year Ending December 31	State of Washington - Public Works Trust Fund Loans						
	Gee Creek Trunk Sewer		DCWTS*		Total		
	Principal	Interest	Principal	Interest	Principal	Interest	Payments
2020	\$ 83,984	\$ 5,039	\$ 1,141,179	\$ 71,250	\$ 1,225,163	\$ 76,289	\$ 1,301,452
2021	83,984	4,199	1,141,179	65,544	1,225,163	69,743	1,294,906
2022	83,983	3,359	1,141,179	59,838	1,225,162	63,197	1,288,359
2023	83,984	2,520	1,141,179	54,132	1,225,163	56,652	1,281,815
2024	83,984	1,680	1,141,179	48,427	1,225,163	50,107	1,275,270
2025-2029	83,983	840	5,705,894	156,545	5,789,877	157,385	5,947,262
2030-2032	-	-	2,838,246	25,456	2,838,246	25,456	2,863,702
<b>Total</b>	<b>\$ 503,902</b>	<b>\$ 17,637</b>	<b>\$ 14,250,035</b>	<b>\$ 481,192</b>	<b>\$ 14,753,937</b>	<b>\$ 498,829</b>	<b>\$ 15,252,766</b>

\* Discovery Corridor Wastewater Transmission System

Changes in long-term liabilities as a summary for the year ended December 31, 2019:

	Balance Jan. 1, 2019	Additions	Reductions	Balance Dec. 31, 2019	Due Within One Year
Compensated absences	\$ 486,669	\$ 504,472	\$ 426,215	\$ 564,926	\$ 50,843
Other post employment benefits	2,402,933		29,184	2,373,749	-
Pension liability	1,974,486		261,117	1,713,369	-
SDC credits	1,608,410		596,250	1,012,160	167,000
Notes from direct borrowings	15,979,099		1,225,162	14,753,937	1,225,163
Directly place sewer revenue bonds	2,296,515	-	2,296,515	-	-
<b>Total long-term liabilities</b>	<b>\$ 24,748,112</b>	<b>\$ 504,472</b>	<b>\$ 4,834,443</b>	<b>\$ 20,418,141</b>	<b>\$ 1,443,006</b>

**Note 4 – Capital Assets**

The District records project costs, as well as construction disbursements, in a construction work-in-progress account (CWIP) until final completion is determined before transferring these costs to a utility plant in service account.

The following schedule of capital assets is recorded at historical costs with any related additions due to purchases or utility plant brought into service. In 2019, the District incurred \$12,868,547 in CWIP project costs (i.e. pump stations, pump station improvements, and force mains) of which \$2.7 million was for the construction of the Pleasant Valley North Pump Station and \$2.6 million was for the North Junction Pump Station. The District transferred \$12,492,571 from CWIP into service in 2019.

The District and the City of Battle Ground, through an Interlocal Agreement, own 100% of the treatment capacity rights of the Salmon Creek Treatment Plant, owned by the Alliance, with the District having the majority share. This intangible asset, per GASB Statement No. 51, “Accounting and Financial Reporting for Intangible Assets,” is recognized in our capital assets as “future treatment capacity rights,” at a net value at December 31, 2019 of \$16,843,245.

Capital assets activity for the year ended December 31, 2019, is as follows:

	Balance Jan. 1, 2019	Additions & Transfers	Retirements & Transfers	Balance Dec. 31, 2019
<b>CAPITAL ASSETS - NONDEPRECIABLE:</b>				
Land and land rights	\$ 578,745	\$ -	\$ -	\$ 578,745
Construction work-in-progress	3,422,952	12,868,547	12,492,751	3,798,748
Total capital assets - nondepreciable	<u>4,001,697</u>	<u>12,868,547</u>	<u>12,492,751</u>	<u>4,377,493</u>
<b>CAPITAL ASSETS - DEPRECIABLE:</b>				
Collection and transmission system	184,372,055	12,382,048	-	196,754,103
Buildings	3,819,377	-	-	3,819,377
Improvements other than buildings	181,249	501,135	-	682,384
Pumping stations	34,393,059	8,999,482	-	43,392,541
Machinery, furniture and equipment	3,477,179	287,276	158,648	3,605,807
Intangible assets, including future treatment capacity rights	49,383,521	-	-	49,383,521
Total capital assets - depreciable	<u>275,626,440</u>	<u>22,169,941</u>	<u>158,648</u>	<u>297,637,733</u>
<b>LESS ACCUMULATED DEPRECIATION:</b>				
Collection and transmission system	(41,861,364)	(2,623,389)	-	(44,484,753)
Buildings	(1,526,266)	(76,712)	-	(1,602,978)
Improvements other than buildings	(52,587)	(22,960)	-	(75,547)
Pumping stations	(9,170,898)	(2,561,707)	-	(11,732,605)
Machinery, furniture and equipment	(2,265,620)	(218,819)	(158,648)	(2,325,791)
Intangible assets, including future treatment capacity rights	(30,319,231)	(2,221,045)	-	(32,540,276)
Total accumulated depreciation	<u>(85,195,966)</u>	<u>(7,724,632)</u>	<u>(158,648)</u>	<u>(92,761,950)</u>
Total capital assets - depreciable, Net	<u>190,430,474</u>	<u>14,445,309</u>	<u>-</u>	<u>204,875,783</u>
Total capital assets, Net	<u>\$ 194,432,171</u>	<u>\$ 27,313,856</u>	<u>\$ 12,492,751</u>	<u>\$ 209,253,276</u>

**Note 5 – Deposits and Investments**

The District is legally authorized to invest in the types of investments included in the Revised Code of Washington (RCW) 36.29.020. All of the investments and deposits held at December 31, 2019, comply with the provisions of that code section and with the District's investment policy adopted by Board Resolution. The District's deposits and investments are managed daily by the District Finance Director/Treasurer.

**Deposits** – Cash on hand at December 31, 2019 was \$3,557,139, held entirely in a checking account and as cash on hand.

Custodial Credit Risk: Custodial credit risk for deposits is the risk that, in the event of a failure of a depository financial institution, the District would not be able to recover deposits or will not be able to recover collateral securities that are in possession of an outside party. The District has an adopted policy that addresses deposit custodial risk; however, the District's deposits and certificates of deposit are mostly covered by federal depository insurance (FDIC) or by collateral held in a multiple financial institution collateral pool administered by the Washington Public Deposit Protection Commission (PDPC) or through the Securities Investor Protection Corporation (SIPC). No bank balances are exposed to custodial credit risk.

**Investments** – The District's investment policy provides that whenever there are more than sufficient funds or cash balances to meet current expenses payable, a portion of such funds or balances as deemed expedient may be invested as either short term or long-term investments.

It is the District's policy to invest funds in a manner that:

1. Provides maximum security that the investment proceeds will be returned upon maturity
2. Provides adequate liquidity to meet cash needs
3. Provides the greatest return on investment

Investments are subject to the following risks:

Interest Rate Risk: Interest rate risk is the risk the District may face should interest rate variances affect the fair value of investments. The District's investment policy requires that investments be matched to anticipated cash flow requirements to the extent possible. Unless matched to a specified time period with regard to cash flows, investments in securities shall be five (5) years or less from the date of purchase providing that the average maturity of the portfolio shall not exceed two and one-half (2-1/2) years. This policy assists the District in limiting its exposure to changes in the fair value of its investments.

**Note 5 – Deposits and Investments (Continued)**

Investment Type	Fair Value	Investment Maturities (in Years)	
		Less than 1	1 - 5
Clark County Investment Pool	\$ 8,727,832	\$ 8,727,832	\$ -
Federal National Mortgage Association	2,033,820	-	2,033,820
Federal Farm Credit Bank	7,121,120	1,003,600	6,117,520
Federal Home Loan Bank	10,118,790	5,040,040	5,078,750
U.S. Treasury Notes	2,004,140	2,004,140	-
Federal Home Loan Mortgage Corporation	2,999,700	2,999,700	-
	<u>\$ 33,005,402</u>	<u>\$ 19,775,312</u>	<u>\$ 13,230,090</u>
Investment by maturity	100%	60%	40%

In addition to the interest rate risk disclosed above, the District includes investments with fair value highly sensitive to interest rate changes.

Credit Risk: Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The District’s investment policy states the Finance Director is empowered to invest in the security instruments authorized in Washington RCW 36.29.020. All investments held by the District at year-end 2019 had a credit quality rating of AA+ by Standard and Poor’s.

Concentration of Credit Risk: Concentration of credit risk is the risk of loss attributable to the magnitude of an investment in a single issuer. The District’s investment policy has the following diversification constraints based on the total investment of funds:

Issue Type	Maximum % Holdings	Maximum % per Issuer	Ratings S&P	Ratings Moody’s	Ratings Fitch
US Treasury Obligations	100%	None	N/A	N/A	N/A
US Agency Obligations - Primary FHLB, FNMA, FHLMC, FFCB	100%	35%	N/A	N/A	N/A
US Agency Obligations - Secondary FICO, FARMER MAC etc.	10%	5%	AA-	Aa3	AA-
Municipal Bonds (GO only outside WA)	20%	10%	AA-	Aa3	AA-
Corporate Notes	25%*	3% for AA-	AA-	Aa3	AA-
Commercial Paper		3%	A1+ Long Term AA-	P1 Long Term Aa3	F1+ Long Term AA-
Certificates of Deposit	10%	10%	Deposits in PDPC approved banks	Deposits in PDPC approved banks	Deposits in PDPC approved banks
Bank Time Deposits/Savings	15%	10%	Deposits in PDPC approved banks	Deposits in PDPC approved banks	Deposits in PDPC approved banks
Banker’s Acceptance	20%	5%	N/A	N/A	N/A
Clark County LGIP	50%	None	N/A	N/A	N/A
State LGIP	100%	None	N/A	N/A	N/A

\*Issuer constraints apply to the combined issues in corporate and commercial paper holdings.

**Investments in Local Government Investment Pool (LGIP)** - The District is a participant in the Local Government Investment Pool was authorized by Chapter 294, Laws of 1986, and is managed and



**Note 5 – Deposits and Investments (Continued)**

operated by the Washington State Treasurer. The State Finance Committee is the administrator of the statute that created the pool and adopts rules. The State Treasurer is responsible for establishing the investment policy for the pool and reviews the policy annually and proposed changes are reviewed by the LGIP advisory Committee.

Investments in the LGIP, a qualified external investment pool, are reported at amortized cost which approximates fair value. The LGIP is an unrated external investment pool. The pool portfolio is invested in a manner that meets the maturity, quality, diversification and liquidity requirements set forth by the GASBS 79 for external investments pools that elect to measure, for financial reporting purposes, investments at amortized cost. The LGIP does not have any legally binding guarantees of share values. The LGIP does not impose liquidity fees or redemption gates on participant withdrawals.

The Office of the State Treasurer prepares a stand-alone LGIP financial report. A copy of the report is available from the Office of the State Treasurer, PO Box 40200, Olympia, Washington 98504-0200, online at <http://www.tre.wa.gov>.

**Investments in Clark County Investment Pool (CCIP)** - The District is a participant in the Clark County Investment Pool (CCIP), an external investment pool. The District reports its investment in the Pool at the fair value amount, which is the same as the value of the Pool per share. The responsibility for managing the Pool resides with the County Treasurer. The Pool is established from the RCW 36.29 which authorizes the County Treasurer to invest the funds of participants. Regulatory oversight is provided by the finance committee which, by statute, consists of the county treasurer, the county auditor and the chair of the Board of County Commissioners. The CCIP is an unrated fund.

**Investments Measured at Fair Value** - The District measures and records its investments within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. These guidelines recognize a three-tiered fair value hierarchy, as follows:

- Level 1: Quoted process in active markets for identical assets.
- Level 2: These are quoted market prices for similar assets, quoted prices for identical or similar assets in markets that are not active, or other than quoted prices that are observable.
- Level 3: Unobservable inputs for an asset.

At December 31, 2019, the District had the following recurring fair value measurements:

**Note 5 – Deposits and Investments (Continued)**

	Total	Fair Value Measurement Using:		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
<b>Investment by Fair Value Level</b>				
Clark County Investment Pool*	\$ 8,727,832			
Investment Securities				
Federal National Mortgage Association	2,033,820	-	2,033,820	-
Federal Farm Credit Bank	7,121,120	-	7,121,120	-
Federal Home Loan Bank	10,118,790	-	10,118,790	-
U.S. Treasury Notes	2,004,140	2,004,140	-	-
Federal Home Loan Mortgage Corporation	2,999,700	-	2,999,700	-
Total Investments measured at fair value	<u>33,005,402</u>	<u>2,004,140</u>	<u>22,273,430</u>	<u>-</u>

\*The District's investment in the Clark County Investment Pool is not required to be categorized within the fair value hierarchy.

**Investments Measured at Amortized Cost**

Washington State Local Government Investment Pool	<u>\$ 3,663,032</u>
Total Investments measured at amortized cost	<u>\$ 3,663,032</u>

**Summary of Deposit and Investment Balances** - A reconciliation of deposits and investment balances as of December 31, 2019 is as follows:

	2019
Cash on Hand	\$ 1,250
Amount of Deposits with Private Financial Institutions	3,555,889
Deposits with State LGIP	3,663,031
Deposits with CCIP	8,727,832
Non-Pooled Investments	24,277,570
Total Deposits and Investments	<u>\$ 40,225,572</u>
Deposits	
Current:	
Cash and Cash Equivalents	\$ 15,948,002
Total Deposits	<u>\$ 15,948,002</u>
Investments	
Current:	
Short-term Investments	\$ 11,047,480
Noncurrent	
Long-term Investments	13,230,090
Total Investments	<u>\$ 24,277,570</u>
Total Deposits and Investments	<u>\$ 40,225,572</u>

**Note 6 – Risk Management**

Clark Regional Wastewater District is a member of the Water and Sewer Risk Management Pool (Pool). Chapter 48.62 RCW authorizes the governing body of any one or more governmental entities to form together into or join a pool or organization for the joint purchasing of insurance, and/or joint self-insuring, and/or joint hiring or contracting for risk management services to the same extent that they may individually purchase insurance, self-insurance, or hire or contract for risk management services. An agreement to form a pooling arrangement was made pursuant to the provisions of Chapter 39.34 RCW, the Interlocal Cooperation Act. The Pool was formed in November 1987 when water and sewer districts in the State of Washington joined together by signing an Interlocal Governmental Agreement to pool their self-insured losses and jointly purchase insurance and administrative services. The Pool currently has 70 members. The Pool’s fiscal year is November 1st through October 31st.

The Pool allows members to jointly purchase insurance coverage, establish a plan of self-insurance coverage, and provide related services, such as risk management and loss prevention. The Pool provides the following forms of group purchased insurance coverage for its members: All-Risk Property (including Building, Electronic Data Processing, Boiler and Machinery, and Mobile Equipment); General Liability; Automotive Liability; Excess Liability, Crime; Public Officials Liability; Employment Practices Liability, Cyber Liability, Identity Fraud Reimbursement Program; Deadly Weapon/Active Shooter Response Program; and bonds of various types. Most coverages are on an “occurrence” basis.

Members make an annual contribution to fund the Pool. The Pool purchases insurance policies from unrelated underwriters as follows:

**Note 6 – Risk Management (Continued)**

TYPE OF COVERAGE	MEMBER DEDUCTIBLE	SELF-INSURED RETENTION/GROUP	EXCESS LIMITS
<b>Property Loss:</b>			
Buildings and Contents	\$1,000 - \$25,000 and See (C) below	\$25,000	\$275,000,000
Flood	See (A) below	See (A) below	\$50,000,000
Earthquake	See (B) below	See (B) below	\$110,000,000 (\$75,000,000 shared by all members, \$25,000,000 dedicated to Alderwood, \$5,000,000 dedicated to Sammamish Plateau, and \$5,000,000 dedicated to Cascade Water Alliance)
Terrorism	\$1,000 - \$25,000	\$25,000 Primary layer	\$700,000,000 Primary layer
Boiler & Machinery	\$1,000 - \$350,000 depending on object	\$25,000 - \$350,000 depending on object	\$100,000,000
Auto - Physical Damage	\$1,000-\$25,000	\$25,000	\$15,000,000
<b>Liability:</b>			
Commercial General Liability	\$1,000 - \$25,000	\$200,000, subject to \$150,000 Corridor Deductible	\$15,000,000
Auto Liability	\$1,000 - \$25,000	Same as above	\$15,000,000
Public Officials Errors and Omissions	\$1,000 - \$25,000	Same as above	\$15,000,000
Employment Practices	\$1,000 - \$25,000	Same as above	\$15,000,000
<b>Other:</b>			
Cyber Liability	\$50,000	N/A	\$2,000,000
Deadly Weapon/Active Shooter	\$10,000	N/A	\$500,000
Public Officials Bonds	Various	N/A	Various
Crime	\$1,000 - \$25,000	\$25,000	\$2,000,000
Identity Fraud	\$0	\$0	\$25,000
A. \$100,000 member deductibles, per occurrence, in Flood zones except Zones A&V; \$250,000 member deductible per occurrence, in Flood Zones A&V.			
B. Member deductible for earthquakes is 5% subject to \$100,000 minimum Earthquake Shock. The deductible will apply per occurrence on a per unit basis, as defined in the policy form, subject to the stated minimum.			
C. Member deductible for Cyber liability is \$50,000 and where applicable the dollar amount of the business interruption loss during the policy’s required 8 hour waiting period.			

Pool members are responsible for a deductible on each coverage and the Pool is responsible for the remainder of the self-insured retention listed in the table above except where noted as follows. The insurance carriers then cover the loss to the maximum limit of the policy. Each member is responsible for the full deductible applicable to the perils of earthquake and flood (the Pool is not responsible for any deductible or self-insured retention for earthquake and flood claims). Each member is also responsible for the full deductible applicable to the Cyber Liability, and that part of a Boiler & Machinery deductible, which exceeds \$25,000.

**Note 6 – Risk Management (Continued)**

Upon joining, the members contract to remain in the Pool for one full policy period. Following completion of one full policy period, members must give six months’ notice before terminating participation (e.g. to withdraw from the Pool on November 1, 2019, written notice must be in possession of the Pool by April 30, 2019). The Interlocal Governmental Agreement is renewed automatically each year. Even after termination of relationship with the Pool, a member is still responsible for contributions to the Pool for any unresolved, unreported, and in process claims, for the period that the District was a signatory to the Interlocal Governmental Agreement.

The Pool is fully funded by its member participants. Claims are filed by members with the Pool who determines coverage and performs claims adjustment in consultation with various independent public adjusters.

The Pool is governed by a Board of Directors, which is comprised of one designated representative from each participating member. An Executive Committee is elected at the annual meeting and is responsible for overseeing the business affairs of the Pool and providing policy direction to the Pool’s Executive Director.

The following schedule depicts the property claims filed by the District with the Pool for the years 2019, 2018 and 2017 and the amounts covered by insurance.

Years	Claims Settlements	Insurance Coverage	Excess of Claim Cost Over Coverage
2019	\$ 36,366	\$ 32,366	\$ 4,000
2018	9,056	7,056	2,000
2017	32,783	29,783	3,000

The District is self-insured for employee unemployment claims as allowed by Washington state law for a reimbursable employer and has set aside funds to cover the actual cost of unemployment insurance.

## Note 7 – Pension Plans

The following table represents the aggregate pension amounts for all plans for the year 2019:

Aggregate Pension Amounts – All Plans	
Pension liabilities	\$ 1,713,369
Deferred outflows of resources	673,084
Deferred inflows of resources	1,059,367
Pension expense/expenditures	338,174

### State Sponsored Pension Plans

Substantially all District full-time and qualifying part-time employees participate in one of the following statewide retirement systems administered by the Washington State Department of Retirement Systems, under cost-sharing, multiple-employer public employee defined benefit and defined contribution retirement plans. The state Legislature establishes, and amends, laws pertaining to the creation and administration of all public retirement systems.

The Department of Retirement Systems (DRS), a department within the primary government of the State of Washington, issues a publicly available comprehensive annual financial report (CAFR) that includes financial statements and required supplementary information for each plan. The DRS CAFR may be obtained by writing to:

Department of Retirement Systems  
Communications Unit  
P.O. Box 48380  
Olympia, WA 98540-8380

Or the DRS CAFR may be downloaded from the DRS website at [www.drs.wa.gov](http://www.drs.wa.gov).

### **Public Employees' Retirement System (PERS)**

PERS members include elected officials; state employees; employees of the Supreme, Appeals and Superior Courts; employees of the legislature; employees of district and municipal courts; employees of local governments; and higher education employees not participating in higher education retirement programs. PERS is comprised of three separate pension plans for membership purposes. PERS plans 1 and 2 are defined benefit plans, and PERS plan 3 is a defined benefit plan with a defined contribution component.

**PERS Plan 1** provides retirement, disability and death benefits. Retirement benefits are determined as two percent of the member's average final compensation (AFC) times the member's years of service. The AFC is the average of the member's 24 highest consecutive service months. Members are eligible for retirement from active status at any age with at least 30 years of service, at age 55 with at least 25 years of service, or at age 60 with at least five years of service. Members retiring from active status prior to the age of 65 may receive actuarially reduced benefits. Retirement benefits are actuarially reduced to reflect the choice of a survivor benefit. Other benefits include duty and non-duty disability payments, an optional cost-of-living adjustment (COLA), and a one-time duty-related death benefit, if found eligible by the Department of Labor and Industries. PERS 1 members were vested after the completion of five years of eligible service. The plan was closed to new entrants on September 30, 1977.

**Note 7 – Pension Plans (Continued)**

Contributions

The **PERS Plan 1** member contribution rate is established by State statute at 6 percent. The employer contribution rate is developed by the Office of the State Actuary and includes an administrative expense component that is currently set at 0.18 percent. Each biennium, the state Pension Funding Council adopts Plan 1 employer contribution rates. The PERS Plan 1 required contribution rates (expressed as a percentage of covered payroll) for 2019 were as follows:

<b>PERS Plan 1</b>		
<b>Actual Contribution Rates:</b>	<b>Employer</b>	<b>Employee</b>
January – June 2019		
PERS Plan 1	7.52%	6.00%
PERS Plan 1 UAAL	5.13%	
Administrative Fee	0.18%	
<b>Total</b>	<b>12.83%</b>	<b>6.00%</b>
July - December 2019		
PERS Plan 1	7.92%	6.00%
PERS Plan 1 UAAL	4.76%	
Administrative Fee	0.18%	
<b>Total</b>	<b>12.86%</b>	<b>6.00%</b>

**PERS Plan 2/3** provides retirement, disability and death benefits. Retirement benefits are determined as two percent of the member’s average final compensation (AFC) times the member’s years of service for Plan 2 and 1 percent of AFC for Plan 3. The AFC is the average of the member’s 60 highest-paid consecutive service months. There is no cap on years of service credit. Members are eligible for retirement with a full benefit at 65 with at least five years of service credit. Retirement before age 65 is considered an early retirement. PERS Plan 2/3 members who have at least 20 years of service credit and are 55 years of age or older, are eligible for early retirement with a benefit that is reduced by a factor that varies according to age for each year before age 65. PERS Plan 2/3 members who have 30 or more years of service credit and are at least 55 years old can retire under one of two provisions:

- With a benefit that is reduced by three percent for each year before age 65; or
- With a benefit that has a smaller (or no) reduction (depending on age) that imposes stricter return-to-work rules.

PERS Plan 2/3 members hired on or after May 1, 2013 have the option to retire early by accepting a reduction of five percent for each year of retirement before age 65. This option is available only to those who are age 55 or older and have at least 30 years of service credit. PERS Plan 2/3 retirement benefits are also actuarially reduced to reflect the choice of a survivor benefit. Other PERS Plan 2/3 benefits include duty and non-duty disability payments, a cost-of-living allowance (based on the CPI), capped at three percent annually and a one-time duty related death benefit, if found eligible by the Department of Labor and Industries. PERS 2 members are vested after completing five years of eligible service. Plan 3 members are vested in the defined benefit portion of their plan after ten years of service; or after five years of service if 12 months of that service are earned after age 44.

**Note 7 – Pension Plans (Continued)**

**PERS Plan 3** defined contribution benefits are totally dependent on employee contributions and investment earnings on those contributions. PERS Plan 3 members choose their contribution rate upon joining membership and have a chance to change rates upon changing employers. As established by statute, Plan 3 required defined contribution rates are set at a minimum of 5 percent and escalate to 15 percent with a choice of six options. Employers do not contribute to the defined contribution benefits. PERS Plan 3 members are immediately vested in the defined contribution portion of their plan.

Contributions

The **PERS Plan 2/3** employer and employee contribution rates are developed by the Office of the State Actuary to fully fund Plan 2 and the defined benefit portion of Plan 3. The Plan 2/3 employer rates include a component to address the PERS Plan 1 UAAL and an administrative expense that is currently set at 0.18 percent. Each biennium, the state Pension Funding Council adopts Plan 2 employer and employee contribution rates and Plan 3 contribution rates. The PERS Plan 2/3 required contribution rates (expressed as a percentage of covered payroll) for 2019 were as follows:

<b>PERS Plan 2/3</b>		
<b>Actual Contribution Rates:</b>	<b>Employer 2/3</b>	<b>Employee 2</b>
January – June 2019		
PERS Plan 2/3	7.52%	7.41%
PERS Plan 1 UAAL	5.13%	
Administrative Fee	0.18%	
Employee PERS Plan 3		varies
<b>Total</b>	<b>12.83%</b>	<b>7.41%</b>
July - December 2019		
PERS Plan 2/3	7.92%	7.90%
PERS Plan 1 UAAL	4.76%	
Administrative Fee	0.18%	
Employee PERS Plan 3		varies
<b>Total</b>	<b>12.86%</b>	<b>7.90%</b>

The District’s actual PERS plan contributions were \$233,609 to PERS Plan 1 and \$364,766 to PERS Plan 2/3 for the year ended December 31, 2019.

**Actuarial Assumptions**

The total pension liability (TPL) for each of the DRS plans was determined using the most recent actuarial valuation completed in 2019 with a valuation date of June 30, 2018. The actuarial assumptions used in the valuation were based on the results of the Office of the State Actuary’s (OSA) *2007-2012 Experience Study* and the *2017 Economic Experience Study*.

Additional assumptions for subsequent events and law changes are current as of the 2018 actuarial valuation report. The TPL was calculated as of the valuation date and rolled forward to the measurement date of June 30, 2019. Plan liabilities were rolled forward from June 30, 2018, to June 30, 2019, reflecting each plan’s normal cost (using the entry-age cost method), assumed interest and actual benefit payments.



**Note 7 – Pension Plans (Continued)**

- **Inflation:** 2.75% total economic inflation; 3.50% salary inflation
- **Salary increases:** In addition to the base 3.50% salary inflation assumption, salaries are also expected to grow by promotions and longevity
- **Investment rate of return:** 7.4%

Mortality rates were based on the RP-2000 report's Combined Healthy Table and Combined Disabled Table, published by the Society of Actuaries. The OSA applied offsets to the base table and recognized future improvements in mortality by projecting the mortality rates using 100% Scale BB. Mortality rates are applied on a generational basis; meaning, each member is assumed to receive additional mortality improvements in each future year throughout his or her lifetime.

There were changes in methods and assumptions since the last valuation.

- OSA updated modeling to reflect providing benefit payments to the date of the initial retirement eligibility for terminated vested members who delay application for retirement benefits.
- OSA updated COLA programming to reflect legislation signed during the 2018 legislative session that provides PERS and TRS Plan 1 annuitants who are not receiving a basic minimum, alternate minimum, or temporary disability benefit with a one-time permanent 1.5% increase to their monthly retirement benefit, not to exceed a maximum of \$62.50 per month.

**Discount Rate**

The discount rate used to measure the total pension liability for all DRS plans was 7.4%.

To determine that rate, an asset sufficiency test included an assumed 7.5% long-term discount rate to determine funding liabilities for calculating future contribution rate requirements. Consistent with the long-term expected rate of return, a 7.4% future investment rate of return on invested assets was assumed for the test. Contributions from plan members and employers are assumed to continue being made at contractually required rates (including PERS 2/3 employers, whose rates include a component for the PERS 1 plan liabilities). Based on these assumptions, the pension plans' fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return of 7.4% was used to determine the total liability.

**Long-Term Expected Rate of Return**

The long-term expected rate of return on the DRS pension plan investments of 7.4% was determined using a building-block-method. In selecting this assumption, the Office of the State Actuary (OSA) reviewed the historical experience data, considered the historical conditions that produced past annual investment returns, and considered capital market assumptions and simulated expected investment returns provided by the Washington State Investment Board (WSIB). The WSIB uses the capital market assumptions and their target asset allocation to simulate future investment returns over various time horizons.

**Note 7 – Pension Plans (Continued)****Estimated Rates of Return by Asset Class**

Best estimates of arithmetic real rates of return for each major asset class included in the pension plan's target asset allocation as of June 30, 2019, are summarized in the table below. The inflation component used to create the table is 2.2% and represents the WSIB's most recent long-term estimate of broad economic inflation.

<b>Asset Class</b>	<b>Target Allocation</b>	<b>% Long-Term Expected Real Rate of Return Arithmetic</b>
Fixed Income	20%	2.20%
Tangible Assets	7%	5.10%
Real Estate	18%	5.80%
Global Equity	32%	6.30%
Private Equity	23%	9.30%
	<b>100%</b>	

**Sensitivity of Net Pension Liability**

The table below presents the District's proportionate share of the net pension liability calculated using the discount rate of 7.4%, as well as what the District's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage point lower (6.4%) or 1-percentage point higher (8.4%) than the current rate.

	1% Decrease (6.4%)	Current Discount Rate (7.4%)	1% Increase (8.4%)
PERS 1	\$ 1,617,900	\$ 1,291,924	\$ 1,009,097
PERS 2/3	3,232,316	421,445	(1,885,060)

**Pension Plan Fiduciary Net Position**

Detailed information about the State's pension plans' fiduciary net position is available in the separately issued DRS financial report.

**Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions**

At June 30, 2019, the District reported a total pension liability of \$1,713,369 for its proportionate share of the net pension liabilities as follows:

	Liability
PERS 1	\$ 1,291,924
PERS 2/3	421,445

**Note 7 – Pension Plans (Continued)**

At June 30, the District’s proportionate share of the collective net pension liabilities was as follows:

	Proportionate Share 6/30/18	Proportionate Share 6/30/19	Change in Proportion
PERS 1	0.029696%	0.033597%	0.003901%
PERS 2/3	0.037967%	0.043388%	0.005421%

Employer contribution transmittals received and processed by the DRS for the fiscal year ended June 30 are used as the basis for determining each employer’s proportionate share of the collective pension amounts reported by the DRS in the *Schedules of Employer and Nonemployer Allocations* for all PERS plans.

The collective net pension liability (asset) was measured as of June 30, 2019, and the actuarial valuation date on which the total pension liability (asset) is based was as of June 30, 2018, with update procedures used to roll forward the total pension liability to the measurement date.

**Pension Expense**

For the year ended December 31, 2019, the District recognized pension expense as follows:

	<u>Pension Expense</u>
PERS 1	\$ 232,412
PERS 2/3	105,762
TOTAL	<u>\$ 338,174</u>

**Deferred Outflows of Resources and Deferred Inflows of Resources**

At December 31, 2019, the District reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

PERS 1	Deferred Outflows of Resources	Deferred Inflows of Resources
Net difference between projected and actual investment earnings on pension plan investments	\$ -	\$ (86,312)
Contributions subsequent to the measurement date	113,043	-
TOTAL	113,043	(86,312)

**Note 7 – Pension Plans (Continued)**

PERS 2/3	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$ 120,744	\$ (90,609)
Net difference between projected and actual investment earnings on pension plan investments	-	(613,452)
Changes of assumptions	10,792	(176,825)
Changes in proportion and differences between contributions and proportionate share of contributions	242,389	(92,171)
Contributions subsequent to the measurement date	186,116	-
<b>TOTAL</b>	<b>560,041</b>	<b>(973,057)</b>

Total	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$ 120,744	\$ (90,609)
Net difference between projected and actual investment earnings on pension plan investments	-	(699,764)
Changes of assumptions	10,792	(176,825)
Changes in proportion and differences between contributions and proportionate share of contributions	242,389	(92,171)
Contributions subsequent to the measurement date	299,159	-
<b>TOTAL</b>	<b>673,084</b>	<b>(1,059,369)</b>

Deferred outflows of resources related to pensions resulting from the District's contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ended December 31, 2020. Other amounts reported as deferred outflows and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year ended December 31:	PERS 1	PERS 2/3
2020	\$ (19,054)	\$ (166,836)
2021	(45,133)	(294,202)
2022	(16,106)	(118,987)
2023	(6,019)	(54,086)
2024	-	966
Thereafter	-	34,013

**Note 8 – Deferred Compensation Plan**

The District offers its employees two deferred compensation plans created in accordance with Internal Revenue Code Section 457. The International City Managers Association (ICMA) and the Washington Department of Retirement Services (DRS) each administer one of the two plans. The plans are available to all District employees, which allow a deferral of a portion of their taxable wages until future years. A distribution from the deferred compensation plans to an employee is allowed at termination of employment, retirement, death, or under certain emergencies. The District does not administer or manage the deferred compensation plans but instead all amounts are the property of the employee.

**Note 9 – Construction and Other Significant Commitments**

The District has construction commitments resulting from active consultant and construction projects, including restoration and replacement projects, as of December 31, 2019 exceeding \$100,000 as follows:

Project	Total Awarded Contract Commitment	Spent to Date	Remaining on Contract
Union Road Pump Station Upgrade	\$ 933,281	\$ 897,141	\$ 36,140
St. Johns Woods Pump Station	838,145	623,525	214,620
NE 102nd Avenue Subdivision	132,416	878	131,538
	\$ 1,903,842	\$ 1,521,544	\$ 382,298

There are no other significant commitments as of December 31, 2019.

**Note 10 – Defined Benefit Other Postemployment Benefit (OPEB) Plan**

The following table represents the aggregate OPEB amounts for all plans subject to the requirements of GASB Statement 75 for the year 2019:

Aggregate OPEB Amounts - All Plans	
OPEB liabilities	\$ 2,373,749
Deferred outflow of resources	5,224
OPEB expenses/expenditures	(17,794)

**Plan Description** – The District participates in a single-employer defined benefit Other Postemployment Benefit (OPEB) plan. This plan is administered by the Health Care Authority (HCA) per RCW 41.05.065. The Public Employees Benefits Board (PEBB), created within the HCA, is authorized to design benefits and determine the terms and conditions of employee and retired employee participation and coverage, including establishment of eligibility criteria for both active and retired employees. PEBB programs include medical, dental, life and long-term disability. Benefits are offered to retirees at a subsidized rate.

The benefits are provided in accordance with a substantive plan, in which the plan terms are understood by the employers and plan member, but not formalized in a contract or plan document. The PEBB retiree OPEB plan is available to employees who elect to continue coverage and pay the administratively established premiums at the time they retire under the provisions of the retirement system to which they belong. The plan is funded on a pay-as-you-go basis and there are no assets accumulated in a qualifying trust. HCA does not issue a stand-alone OPEB financial report that is available to the public.

**Employees Covered by Benefit Terms** – All full-time employees are covered by these benefit terms. At December 31, 2019, membership in the plan consisted of the following:

Inactive employees or beneficiaries currently receiving benefits	2
Active employees	59
Total	61

**Benefits Provided** – Employees that retire from the District are eligible to continue participation in the PEBB health insurance plan on a self-pay basis. Retirees participating in the plan receive an implicit subsidy. The implicit subsidy exists because retired members pay a premium based on a claims experience for active employees and other retirees. The subsidy is valued using the difference between the age-based claims cost and the premium. In 2019, the District’s estimated monthly implicit rate subsidy was \$871 per month.

**Assumptions and Other Inputs** – The actuarial valuations involve estimates of the value of reported amounts and assumptions about the probability of events far into the future. Examples include assumptions about retirement ages, mortality and the healthcare cost trend. The actuarially determined amounts are subject to continual revision as actual results are compared to past expectations and new estimates are made about the future.

The District’s total OPEB liability of \$2,373,749 was measured as of June 30, 2019 with a valuation date of June 30, 2019. The alternative method permitted under GASB 75 was used to calculate the liability

**Note 10 – Defined Benefit Other Postemployment Benefit (OPEB) Plan (Continued)**

instead of an actuarial valuation. The Entry Age actuarial cost method and the recognized immediately amortization method were used in this calculation. There are no assets in this plan, therefore, no asset valuation method was used. The total OPEB liability was determined using the following methodologies:

Actuarial valuation date	6/30/2019
Actuarial measurement date	6/30/2019
Actuarial cost method	Entry Age
Amortization method	Recognized Immediately
Asset Valuation method	N/A (No Assets)

The total OPEB liability was determined using the following actuarial assumptions:

Inflation rate	2.75%
Projected salary changes	3.50% + Service-Based Increases
Discount rates	3.5%
Healthcare trend rates	Initial rate is approximately 7%, trends down to about 5% in 2020.
Post-retirement participation percentage	65%
Percentage with spouse coverage	45%

Actuarial assumptions are developed from the 2007-2012 Experience Study performed by the Office of the State Actuary. Discount rates are established by the Bond Buyer GO 20-Bond Municipal Index. Mortality rates were based on the RP-2000 Combined Healthy Table and Combined Disabled Table published by the Society of Actuaries. The Office of the State Actuary applied offsets to the base table and recognized future improvements in mortality by projecting the mortality rates using 100 percent Scale BB. Mortality rates are applied on a generational basis, meaning members are assumed to receive additional mortality improvements in each future year throughout their lifetime. Other specific assumptions are as follows:

It was assumed that two thirds of members will select a Uniform Medical Plan (UMP) and one third will select a Kaiser Permanente Plan (KP). The specific assumptions are as follows:

- UMP pre and post Medicare costs and premiums are equal to the Uniform Medical Plan.
- The KP pre-Medicare costs and premiums are 50/50 blend of KP classic and KP value.
- The KP post-Medicare costs and premiums are equal to KP Medicare.

The estimated retirement service for each active cohort was based on the average entry age of 35, with a minimum service of 1 year. For example, an age 47 member is assumed to have 12 years of service. Service is a component of benefit eligibility. Assumptions for retirement, disability, termination and mortality are based on the 2018 PEBB OPEB Actuarial Valuation Report. For simplicity, all employees were assumed to be retirement eligible at age 55. The valuation relies on retirement rates for member with less than 30 years of services and assumed a 100% rate of retirement at age 70. Each cohort is assumed to be a 50/50 male/female split. It was further assumed that eligible spouses are the same age as the primary member.



**Note 10 – Defined Benefit Other Postemployment Benefit (OPEB) Plan (Continued)**

**Sensitivity of the Total Liability to Changes in the Healthcare Cost Trend Rates** - The following presents the total OPEB liability of the District calculated using the current healthcare cost trend rate of 7.0 percent, as well as what the OPEB liability would be if it were calculated using a discount rate that is 1-percentage point lower (6.0 percent) or 1-percentage point higher (8.0 percent) that the current rate.

	1% Decrease (6.0%)	Current Healthcare Cost Trend Rate (7.0%)	1% Increase (8.0%)
Total OPEB Liability	\$ 1,906,523	\$ 2,373,749	\$ 2,991,971

**Sensitivity of the Total Liability to Changes in the Discount Rate** - The following presents the total OPEB liability of the District calculated using the discount rate of 3.5 percent, as well as what the OPEB liability would be if it were calculated using a discount rate that is 1-percentage point lower (2.5 percent) or 1-percentage point higher (4.5 percent) that the current rate.

	1% Decrease (2.5%)	Current Discount Rate (3.5%)	1% Increase (4.5%)
Total OPEB Liability	\$ 2,896,211	\$ 2,373,749	\$ 1,965,377

**Changes in the Total OPEB Liability** - The following table presents the change in the total OPEB liability during 2019:

<b>Total OPEB Liability at 1/1/2019</b>	\$ 2,402,933
Service cost	120,555
Interest	97,441
Changes in benefit terms	-
Differences in experience data and assumptions	(235,790)
Benefit payments	(11,390)
Other changes	-
<b>Total OPEB Liability at 12/31/2019</b>	2,373,749

**OPEB Expense, Deferred Outflows of Resources, and Deferred Inflows of Resources Related to OPEB** – For the year ending December 31, 2019, the District recognized OPEB expense of \$(17,794).

On December 31, 2019, the District reported deferred outflows of resources related to OPEB from the following sources:

**Note 10 – Defined Benefit Other Postemployment Benefit (OPEB) Plan (Continued)**

	Deferred Outflows of Resources	Deferred Inflows of Resources
Payments subsequent to the measurement date	\$ 5,224	\$ -
Total	\$ 5,224	\$ -

Deferred outflows of resources of \$5,224 resulting from payments subsequent to the measurement date will be recognized as reduction of the total OPEB liability in the year ended December 31, 2020.

**Note 11 – Capital Contributions**

**Capital contributions** – Capital contributions recognized annually included in changes in net position include assets constructed by developers then donated to the District, connections fees charged for capital improvements and reimbursement for local facility improvements previously funded by the District.

	<u>2019</u>
Capital contributions from developers, governments and other sources	\$ 10,065,053
Capital contributions from system development charges	10,503,265
Capital contributions from local facility reimbursements	<u>311,048</u>
Total	<u><u>\$ 20,879,366</u></u>

**Note 12 – Joint Venture/Related Party Transactions**

**Discovery Clean Water Alliance (Alliance)** – In 2012, Clark County, Clark Regional Wastewater District (District) and the Cities of Battle Ground and Ridgefield reached agreement on the optimum structure for a regional wastewater transmission and treatment utility to meet the needs of the agencies and community for the next generation. The Interlocal Formation Agreement (IFA), signed on September 27, 2012, represents the culmination of five years of study, and provided the foundation to create a new regional utility entity, the Alliance, under the empowerment of Chapter 39.106 RCW – the Joint Municipal Utility Services Act (JMUSA). The Alliance was incorporated with the Washington Secretary of State on January 4, 2013. The Alliance is governed by a four-member board, one elected official from each entity, and was established to provide wastewater transmission and treatment services to the citizenry of the respective participating members.

As the managing partner or “Administrative Lead” for the Alliance, the task of implementing steps to fulfill the vision of the partner agencies fell largely to the District. A two-year transition work program was initiated in 2013 and continued through 2014. As of July 1, 2018, the District also manages and operates two Regional Assets, the Ridgefield Treatment Plant and the Regional Biofilter.

Regional Service Charges, fees paid by Members to the Alliance, are consistent with the Financial Policies of the Alliance. The basic principle of the Finance Policies is that each Member’s responsibility for Regional Asset operating costs will be based on actual use of the regional services during the previous year or years, as measured by Average Annual Flow in the Regional Assets, and that each Member’s responsibility for capital costs will be based on agreed-upon Allocated Capacity in the Regional Assets. With all wastewater flows and allocated capacities in Regional Assets currently coming from two Members, the District and City of Battle Ground, these two Members now fund all operating and capital costs of the Alliance.

Each Member, as pledged through the IFA adoption, also agrees to establish, maintain and collect rates, fees or other charges for wastewater or other services, facilities and commodities related to the services it receives from the Alliance and its own wastewater utility, and maintain reserves to provide revenues sufficient for the Member to make all payments required under this Agreement.

During 2018, the District paid \$11,099,983 to the Alliance for Regional Service Charges, as budgeted by the District and Alliance. The District billed the Alliance \$838,326 for Administration Lead services provided, which includes both staff time and expenses for professional consulting, IT support, insurance and various utilities expenses. Additionally, the District billed the Alliance \$623,262 for operations of Regional Assets. More information about the Alliance, including the 2018 Comprehensive Annual Financial Report, can be found on their website at <http://www.discoverycwa.org>.

**Note 13 – Subsequent Events**

On April 8, 2020, the District issued \$10.2 million in Sewer Revenue Bonds to fund the District Campus Improvements Project, an expansion of the District’s current facilities that is expected to accommodate the District growth forecasted over the next 20 years. The bonds bear an interest rate of 5.0% and will be redeemed over the next 20 years with proceeds from sewer service revenues.

**REQUIRED SUPPLEMENTARY INFORMATION  
 SCHEDULE OF CHANGES IN TOTAL OPEB LIABILITY AND RELATED RATIOS  
 PUBLIC EMPLOYEES BENEFITS BOARD (PEBB)  
 FOR THE YEAR ENDED DECEMBER 31  
 LAST TWO FISCAL YEARS**

Fiscal Year Ended	Total OPEB Liability - Beginning	Service Cost	Interest	Changes in Benefit Terms	Differences Between Expected and Actual Experience	Benefit Payments	Other Changes	Total OPEB Liability - Ending	Covered-Employee Payroll	Total OPEB Liability as a Percentage of Covered Payroll
12/31/18	\$2,333,182	\$ 141,364	\$ 88,517	\$ -	\$ (156,111)	\$ (4,019)	\$ -	\$ 2,402,933	\$ 4,233,472	56.76%
12/31/19	2,402,933	120,555	97,441	-	(235,790)	(11,390)	-	2,373,749	4,724,615	50.24%

*Notes to Schedule:*

Until a full 10-year trend is compiled, only information for those years available is presented. No assets are accumulated in a trust that meets the criteria in paragraph 4 of GASB 75.

**REQUIRED SUPPLEMENTARY INFORMATION**  
**SCHEDULE OF PROPORTIONATE SHARE OF THE NET PENSION LIABILITY**  
**PERS 1**  
**AS OF JUNE 30**  
**LAST SIX FISCAL YEARS**

Year Ended June 30,	Employer's proportion of the net pension liability (asset)	Employer's proportionate share of the net pension liability	Covered payroll	Employer's proportionate share of the net pension liability as a percentage of covered payroll	Plan fiduciary net position as a percentage of the total pension liability
2014	0.029187%	\$ 1,470,309	\$ 3,188,944	46.11%	61.19%
2015	0.029695%	1,553,325	3,403,683	45.64%	59.10%
2016	0.030163%	1,619,895	3,586,324	45.17%	57.03%
2017	0.027234%	1,292,275	3,744,045	34.52%	61.24%
2018	0.029696%	1,326,233	4,000,682	33.15%	63.22%
2019	0.033597%	1,291,924	4,558,916	28.34%	67.12%

See notes to Required Supplementary Information.

**REQUIRED SUPPLEMENTARY INFORMATION**  
**SCHEDULE OF PROPORTIONATE SHARE OF THE NET PENSION LIABILITY**  
**PERS 2/3**  
**AS OF JUNE 30**  
**LAST SIX FISCAL YEARS**

Year Ended June 30,	Employer's proportion of the net pension liability (asset)	Employer's proportionate share of the net pension liability	Covered payroll	Employer's proportionate share of the net pension liability as a percentage of covered payroll	Plan fiduciary net position as a percentage of the total pension liability
2014	0.037579%	\$ 759,607	\$ 3,188,944	23.82%	93.29%
2015	0.038359%	1,370,589	3,403,683	40.27%	89.20%
2016	0.038699%	1,948,464	3,586,324	54.33%	85.82%
2017	0.035030%	1,217,126	3,744,045	32.51%	90.97%
2018	0.037967%	648,253	4,000,682	16.20%	95.77%
2019	0.043388%	421,445	4,558,916	9.24%	97.77%

See notes to Required Supplementary Information.



**REQUIRED SUPPLEMENTARY INFORMATION  
SCHEDULE OF EMPLOYER CONTRIBUTIONS  
PERS 1  
AS OF DECEMBER 31  
LAST SIX FISCAL YEARS**

Year Ended December 31,	Statutorily or contractually required contributions	Contributions in relation to the statutorily or contractually required contributions	Contribution deficiency (excess)	Covered payroll	Contributions as a percentage of covered payroll
2014	\$ 132,731	\$ (132,731)	\$ -	\$ 3,289,190	4.04%
2015	153,801	(153,801)	-	\$ 3,503,486	4.39%
2016	174,276	(174,276)	-	\$ 3,653,591	4.77%
2017	189,985	(189,985)	-	\$ 3,875,441	4.90%
2018	214,397	(214,397)	-	\$ 4,233,472	5.06%
2019	233,609	(233,609)	-	\$ 4,724,615	4.94%

See notes to Required Supplementary Information.

**REQUIRED SUPPLEMENTARY INFORMATION  
SCHEDULE OF EMPLOYER CONTRIBUTIONS  
PERS 2/3  
AS OF DECEMBER 31  
LAST SIX FISCAL YEARS**

Year Ended December 31,	Statutorily or contractually required contributions	Contributions in relation to the statutorily or contractually required contributions	Contribution deficiency (excess)	Covered payroll	Contributions as a percentage of covered payroll
2014	\$ 164,282	\$ (164,282)	\$ -	\$ 3,289,190	4.99%
2015	197,516	(197,516)	-	3,503,486	5.64%
2016	227,619	(227,619)	-	3,653,591	6.23%
2017	266,283	(266,283)	-	3,875,441	6.87%
2018	317,585	(317,585)	-	4,233,472	7.50%
2019	364,766	(364,766)	-	4,724,615	7.72%

See notes to Required Supplementary Information.

**NOTES TO REQUIRED SUPPLEMENTARY INFORMATION - PENSION****Note 1 – Information Provided**

The District implemented GASB 68 for the year ended December 31, 2015; therefore, there is no data available for years prior to 2014. The pension schedules included in the required supplementary information are intended to show information for ten years, and that additional years' information will be displayed as it becomes available.

**Note 2 – Significant Factors**

There were no changes of benefit terms, significant changes in the employees covered under the benefit terms or in the use of different assumptions.

**Note 3 – Covered Payroll**

Covered payroll is the payroll on which a contribution to a pension plan is based.

## STATISTICAL SECTION

This portion of Clark Regional Wastewater District’s Comprehensive Annual Financial Report presents detailed information to provide a context for understanding the information in the financial statements, notes, disclosures and required supplementary information about the District’s overall financial health.

<b>Contents</b>	<b>Page</b>
<p><i>Financial Trends</i>                      These schedules contain trend information to help the reader understand how the District’s financial performance and well-being changed over time.</p>	64
<p><i>Revenue Capacity</i>                      These schedules contain information to help the reader understand the District’s most significant source of revenue, sewer utility charges.</p>	70
<p><i>Debt Capacity</i>                      These schedules present information to help the reader evaluate the affordability of the District’s current levels of outstanding debt and the ability to issue additional debt in the future.</p>	74
<p><i>Demographic and Economic Information</i>                      These schedules offer demographic and economic indicators to help the reader understand the environment within which the District’s financial activities take place.</p>	76
<p><i>Operating Information</i>                      These schedules contain service statistics and personnel data to help the reader understand how the information in the District’s financial report relates to the services provided and activities performed.</p>	78

Sources: Unless otherwise noted, the information in these schedules is derived from the Comprehensive Annual Financial Reports for the relevant year.

**CLARK REGIONAL WASTEWATER DISTRICT  
NET POSITION  
LAST TEN FISCAL YEARS**

**Schedule 1**

<u>Fiscal Year</u>	<u>Net Investment In Capital Assets</u>	<u>Restricted Net Position</u>	<u>Unrestricted Net Position</u>	<u>Total Net Position</u>
2010	\$ 97,964,435	\$ 2,127,929	\$ 34,712,464	\$ 134,804,828
2011	97,647,088	2,122,351	35,440,997	135,210,436
2012	105,309,986	-	35,193,401	140,503,387
2013	105,412,741	-	37,157,623	142,570,364
2014	122,930,994	-	37,021,168	159,952,162
2015	154,191,734	541,765	29,917,794	184,651,293
2016	158,056,983	541,765	31,028,247	189,626,995
2017	163,321,428	541,765	35,103,924	198,967,117
2018	175,959,713	541,765	35,014,931	211,516,409
2019	194,189,964	-	33,111,790	227,301,754

**CLARK REGIONAL WASTEWATER DISTRICT  
CHANGES IN NET POSITION  
LAST TEN FISCAL YEARS**

**Schedule 2**

Fiscal Year	Operating Revenues	Operating Expenses	Operating Income	Total		Capital Contributions	Special Item	Change In Net Position
				Non-operating Revenues (Expenses)	Income/Loss Before Capital Contributions			
2010	\$ 14,537,971	\$ 15,841,185	\$ (1,303,214)	\$ (1,321,779)	\$ (2,624,993)	\$ 4,520,457	\$ -	\$ 1,895,464
2011	14,703,386	16,695,257	(1,991,871)	(1,145,787)	(3,137,658)	3,893,612	-	755,954
2012	14,960,131	17,053,387	(2,093,256)	(2,297,482)	(4,390,738)	9,241,739	-	4,851,001
2013	15,792,555	18,842,198	(3,049,643)	(502,153)	(3,551,796)	5,618,773	-	2,066,977
2014	17,854,720	20,888,301	(3,033,581)	(180,447)	(3,214,028)	8,753,630	11,842,196	17,381,798 *
2015	18,125,734	23,078,519	(4,952,785)	(44,492)	(4,997,277)	11,377,064	21,153,127	27,532,914 **
2016	19,383,517	26,542,355	(7,158,838)	745,098	(6,413,740)	14,711,919	-	8,298,179
2017	20,263,403	28,405,062	(8,141,659)	(497,004)	(8,638,663)	15,890,237	-	7,251,574
2018	21,481,927	30,068,732	(8,586,805)	869,755	(7,717,050)	21,098,294	-	13,381,244
2019	23,125,164	29,845,244	(6,720,080)	1,626,059	(5,094,021)	20,879,366	-	15,785,345

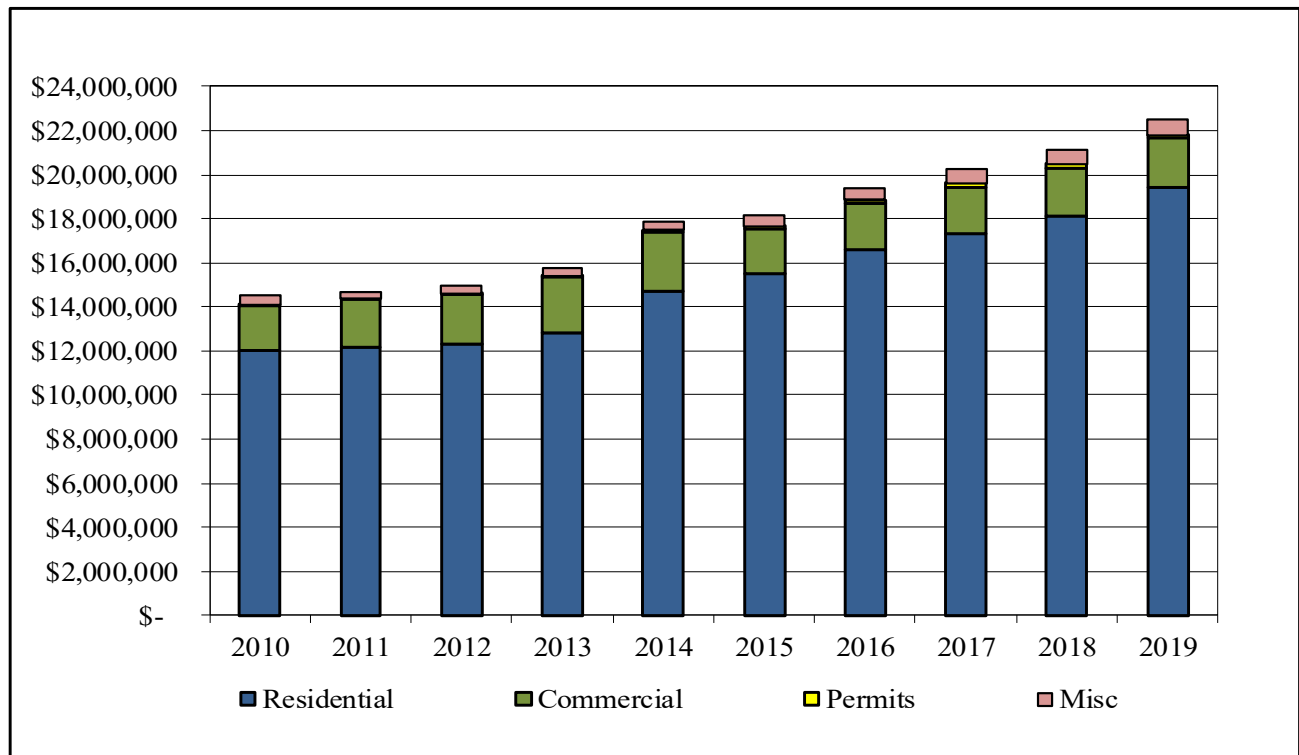
\* The City of Ridgefield transferred their collection system operations to the District as of January 1, 2014. As a result of this transfer, the District recognized an increase in Net Position, reported as a Special Item on the Statement of Revenues, Expenses, and Changes in Fund Net Position, of \$11,842,196. The total increase in net position for 2014, including the increase from the Ridgefield collection system transfer, was \$17,381,798.

\*\* In 2015, the District transferred debt in the amount of \$12,459,376 to the Alliance. The District also defeased its 2005 sewer revenue bonds that were then re-issued by the Alliance. These gains from the transfer of debt and bond defeasance were reported on the Statement of Revenues, Expenses, and Changes in Net Fund Position as a Special Item of \$21,153,127. The total increase in net position for 2015, including the increase from the Special Items, was \$27,532,914.

**CLARK REGIONAL WASTEWATER DISTRICT  
REVENUES BY SOURCE  
LAST TEN FISCAL YEARS**

**Schedule 3**

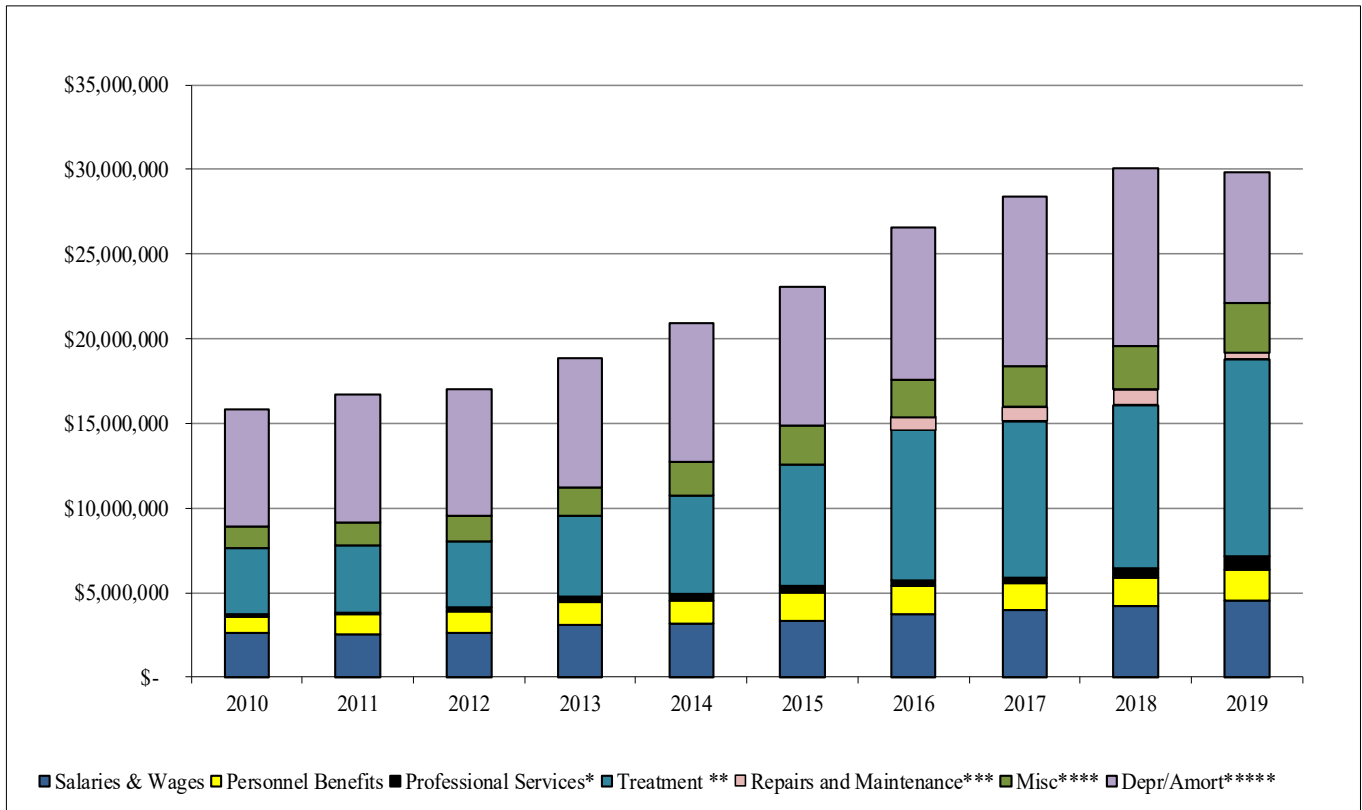
Fiscal Year	Charges for Service				Total
	Residential	Commercial	Permits	Misc	
2010	\$ 12,009,830	\$ 2,069,828	\$ 38,630	\$ 419,683	\$ 14,537,971
2011	12,155,949	2,171,798	35,800	339,839	14,703,386
2012	12,288,652	2,255,023	43,925	372,531	14,960,131
2013	12,841,516	2,502,117	70,190	378,732	15,792,555
2014	14,716,673	2,679,606	101,725	356,716	17,854,720
2015	15,537,525	2,005,118	127,150	455,941	18,125,734
2016	16,598,142	2,093,801	150,445	541,129	19,383,517
2017	17,325,009	2,118,663	173,785	645,946	20,263,403
2018	18,125,614	2,181,571	166,170	682,217	21,155,572
2019	19,401,206	2,256,156	142,625	731,727	22,531,714



**CLARK REGIONAL WASTEWATER DISTRICT  
EXPENSES BY USE  
LAST TEN FISCAL YEARS**

**Schedule 4**

Fiscal Year	Salaries & Wages	Personnel Benefits	Professional Services*	Treatment **	Repairs and Maintenance***	Misc****	Depr/Amort*****	Total
2010	\$ 2,629,587	\$ 931,706	\$ 145,931	\$ 3,904,777	\$ -	\$1,295,660	\$ 6,933,524	\$ 15,841,185
2011	2,541,977	1,150,346	127,792	3,967,274	-	1,360,211	7,547,657	16,695,257
2012	2,586,476	1,291,415	253,808	3,899,600	-	1,520,863	7,501,225	17,053,387
2013	3,069,925	1,364,002	295,067	4,793,747	-	1,693,399	7,626,057	18,842,197
2014	3,137,875	1,429,169	380,770	5,819,114	-	1,976,104	8,145,269	20,888,301
2015	3,373,517	1,621,362	440,329	7,141,646	-	2,277,242	8,224,423	23,078,519
2016	3,710,935	1,709,566	310,235	8,876,412	759,295	2,230,517	8,945,395	26,542,355
2017	3,936,017	1,603,398	379,085	9,198,767	836,065	2,414,261	10,037,469	28,405,062
2018	4,204,696	1,673,728	581,089	9,611,585	911,590	2,586,231	10,499,813	30,068,732
2019	4,551,023	1,837,831	743,432	11,661,011	387,864	2,939,451	7,724,632	29,845,244



\* Professional Services increased in 2015 due to increased consulting costs related to Discovery Clean Water Alliance (Alliance).

\*\* Treatment costs increased significantly in 2013, 2014, 2015 and 2016, in relation to the transfer of the collection system from Ridgefield to the District in 2014, and the transfer of treatment operations from Clark County and Ridgefield to the Alliance in 2015.

\*\*\* Repairs and maintenance is a new operating expense category in 2016, containing projects that are repair in nature.

\*\*\*\* Miscellaneous expenses include supplies, insurance, taxes and other expenses.

\*\*\*\*\* Depreciation/Amortization includes amortization of future treatment capacity rights (intangible asset). Depreciation expense increased in 2016 with the capitalization of the \$28 million DCWTS project and over \$7 million in donated capital assets.



**CLARK REGIONAL WASTEWATER DISTRICT  
NON-OPERATING REVENUES AND EXPENSES  
LAST TEN FISCAL YEARS**

**Schedule 5**

<u>Fiscal Year</u>	<u>Interest and Fiscal Charges</u>	<u>Interest Revenue</u>	<u>Disposal of Capital Assets</u>	<u>Other Revenues (Expenses)</u>	<u>Total Non-operating Revenues (Expenses)</u>
2010	\$ (1,598,864)	\$ 275,168	\$ -	\$ 1,917	\$ (1,321,779)
2011	(1,468,083)	289,494	-	32,802	(1,145,787)
2012	(2,471,265)	201,405	-	(27,622)	(2,297,482)
2013	(668,591)	104,321	(15,742)	77,859	(502,153)
2014	(670,994)	271,600	-	218,947	(180,447)
2015	(508,173)	307,304	(123,718)	280,095	(44,492)
2016	(172,641)	339,891	5,999	571,849	745,098
2017	(155,553)	301,509	(1,033,913)	390,953	(497,004)
2018	(138,329)	849,485	(228,256)	386,855	869,755
2019	(119,554)	1,240,450	290	504,873	1,626,059

**CLARK REGIONAL WASTEWATER DISTRICT  
CAPITAL CONTRIBUTIONS BY SOURCE  
LAST TEN FISCAL YEARS**

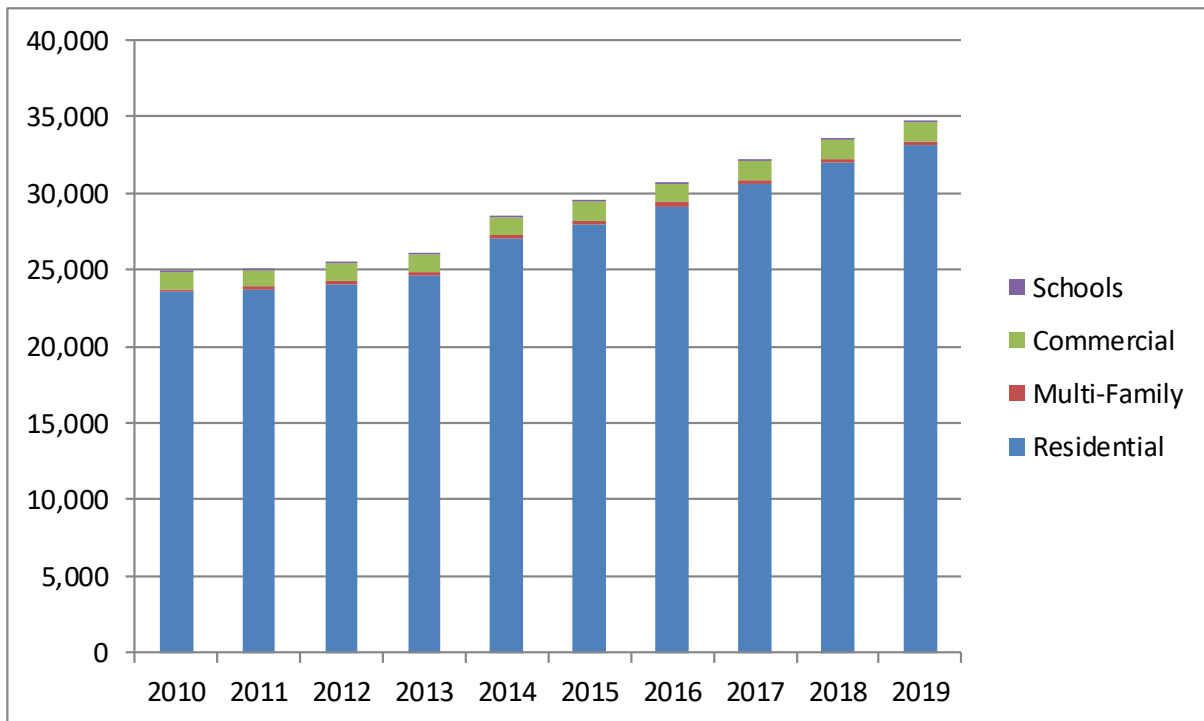
**Schedule 6**

<u>Fiscal Year</u>	<u>Connection Fees</u>	<u>Local Facility Charges</u>	<u>Donated Mains/ Capital Grants</u>	<u>Total</u>
2010	\$ 3,430,229	\$ 118,271	\$ 971,956	\$ 4,520,456
2011	3,397,622	101,939	394,050	3,893,611
2012	7,178,366	112,808	1,950,565	9,241,739
2013	3,010,250	152,676	2,455,847	5,618,773
2014	4,885,217	316,048	3,552,365	8,753,630
2015	6,489,814	163,076	4,724,174	11,377,064
2016	7,583,679	112,712	7,015,528	14,711,919
2017	8,618,681	178,144	7,093,412	15,890,237
2018	9,977,924	104,909	11,015,461	21,098,294
2019	10,503,265	311,048	10,065,053	20,879,366

**CLARK REGIONAL WASTEWATER DISTRICT  
CUSTOMERS BY TYPE  
LAST TEN FISCAL YEARS**

**Schedule 7**

<u>Fiscal Year</u>	<u>Residential</u>	<u>Multi-Family</u>	<u>Commercial</u>	<u>Schools</u>	<u>Total</u>
2010	23,539	216	1,084	35	24,874
2011	23,732	215	1,073	35	25,055
2012	24,044	219	1,137	36	25,436
2013	24,617	217	1,161	36	26,031
2014	26,989	251	1,204	39	28,483
2015	27,934	254	1,223	39	29,450
2016	29,167	257	1,228	39	30,691
2017	30,599	261	1,239	40	32,139
2018	31,993	264	1,237	41	33,535
2019	33,116	273	1,235	44	34,668



**CLARK REGIONAL WASTEWATER DISTRICT  
TEN LARGEST CUSTOMERS  
CURRENT AND NINE FISCAL YEARS AGO**

**Schedule 8**

Customer	2019			2010		
	Sewer Revenues	Rank	Percentage of Total Sewer Revenues	Sewer Revenues	Rank	Percentage of Total Sewer Revenues
Vancouver Public Schools	\$ 145,174	1	0.67%	\$ 137,510	1	0.98%
Salmon Creek Estate Condominiums	131,976	2	0.61%	115,056	2	0.82%
Alderbrook LLC	131,293	3	0.61%	-	-	-
Highland Crossing LLC	124,769	4	0.58%	105,223	3	0.75%
Highland Hills Apartments	120,697	5	0.56%	-	-	-
Prairie View Association	106,236	6	0.49%	92,616	4	0.66%
Parklane Apartments	97,812	7	0.45%	85,272	5	0.61%
Reflections at the Park*	91,962	8	0.42%	63,866	8	0.46%
Rock Creek Commons	90,792	9	0.42%	-	-	-
Bridge Creek Apartments**	79,092	10	0.37%	68,952	6	0.49%
Crystal Creek Apartments	-	-	-	67,728	7	0.48%
Willow Pointe Apartments	-	-	-	63,240	9	0.45%
Edgetree Homeowners Association	-	-	-	56,304	10	0.40%
Subtotal (ten largest)	1,119,803		5.17%	855,767		6.13%
Revenues from other customers	20,537,559		94.83%	13,136,146		93.87%
<b>Total</b>	<b>\$ 21,657,362</b>		<b>100.00%</b>	<b>\$ 13,991,913</b>		<b>100.00%</b>

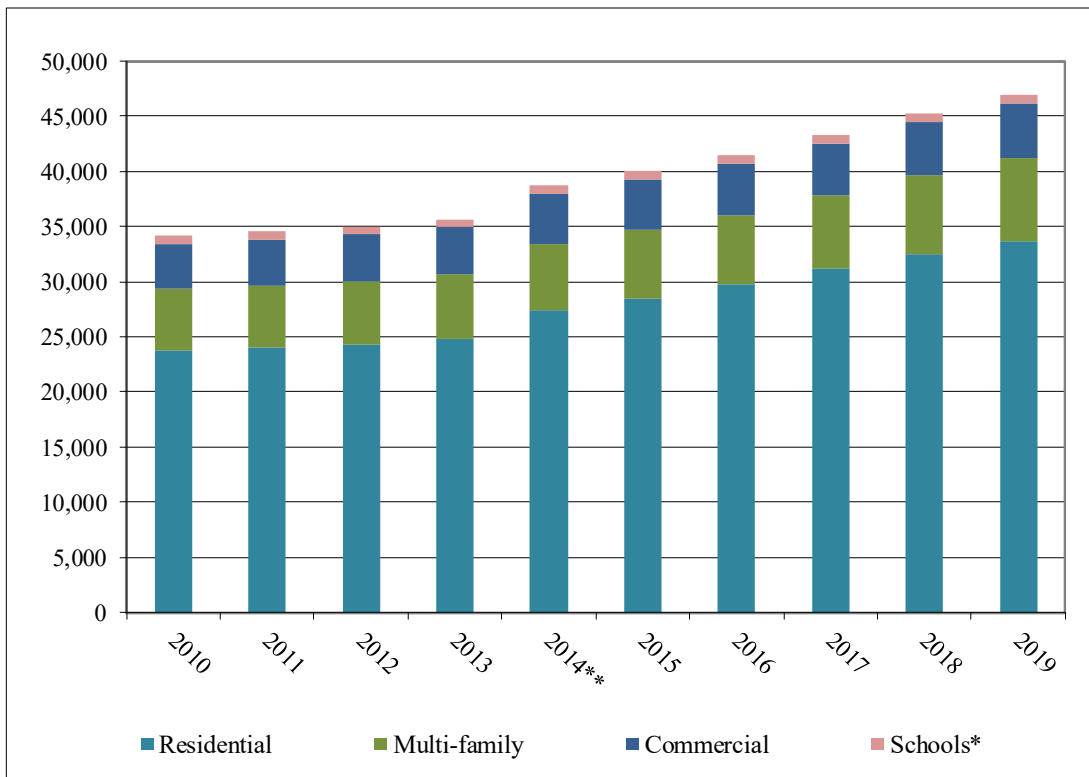
\* Formerly Prairie Park Apartments

\*\* Formerly Discovery Park Apartments

**CLARK REGIONAL WASTEWATER DISTRICT  
EQUIVALENT RESIDENTIAL UNITS  
LAST TEN FISCAL YEARS**

**Schedule 9**

<u>Fiscal Year</u>	<u>Residential</u>	<u>Multi-family</u>	<u>Commercial</u>	<u>Schools*</u>	<u>Total</u>
2010	23,757	5,578	4,106	781	34,222
2011	23,996	5,578	4,255	714	34,543
2012	24,307	5,709	4,265	717	34,998
2013	24,839	5,792	4,325	717	35,673
2014**	27,432	6,000	4,582	777	38,791
2015	28,453	6,234	4,625	777	40,089
2016	29,738	6,322	4,647	801	41,508
2017	31,157	6,655	4,691	812	43,315
2018	32,506	7,086	4,851	823	45,266
2019	33,673	7,507	5,013	801	46,994



*Notes:* The District tracks its customer base by Equivalent Residential Unit (ERU). Local census data provides that about 2.66 people live in a single-family dwelling. Engineering studies have depicted that a person uses approximately 75 gallons per day.

\* Elementary, middle and high schools are billed at a 32 students per ERU rate calculation. For the 2019 academic year and going forward, the District began calculating ERU's for Washington State University Vancouver (WSUV) based on water consumption versus the previous model of student count. This change resulted in a decrease of school ERU's from 2018 to 2019.

\*\* In January 2014, the District took over the Ridgefield collection system which increased District ERUs by 2,097.

**CLARK REGIONAL WASTEWATER DISTRICT  
SERVICE AND CONNECTION CHARGES  
LAST TEN FISCAL YEARS**

**Schedule 10**

Year	Central	Ridgefield	Regional	General	System Development Charge		
	Monthly Service	Monthly Service	Facilities Charge *	Facilities Charge *	VTP **	SCTP ***	RFTP ****
2010	\$ 34.00	\$ -	\$ 4,444	\$ 1,898	\$ -	\$ -	\$ -
2011	34.00	-	4,444	1,898	-	-	-
2012	34.00	-	4,444	1,898	-	-	-
2013	35.00	-	-	-	1,720	4,708	-
2014	36.00	55.00	-	-	1,720	4,708	7,550
2015	37.00	55.80	-	-	1,720	4,708	7,550
2016	38.00	56.50	-	-	1,720	4,708	7,550
2017	38.00	55.70	-	-	1,720	4,708	7,550
2018	38.00	55.00	-	-	1,720	4,708	7,550
2019	39.00	55.60	-	-	2,120	5,108	7,950

**Notes:** Monthly service rates are based upon one ERU per day per single-family dwelling.

Increases in monthly service rates must be approved by the Board of Commissioners. The above rates and connection charges are the primary sources of revenues for the District. In 2019, the District Board approved a \$1.00 per month rate increase per year starting in 2019 and ending in 2022. The District does not receive any general purpose tax revenues. This increase is necessary to adjust to inflationary costs for goods, services, fuel and labor.

In 2018, the District Board approved a \$400 per ERU rate increase per year, starting in 2019 and ending in 2021. The increase in revenue from this charge will help offset rising construction costs for new infrastructure and capital projects.

\* In 2012, the District's Regional Facility Charge and General Facility Charge were repealed and replaced with a single System Development Charge (SDC), based on a tiered system, in an effort to support economic development within the District service area. The revenue from this charge will be used for new infrastructure and capital projects.

\*\* Tiered SDC effective January 1, 2013, for all customers served by the District through the Vancouver Treatment Plant (VTP).

\*\*\* Tiered SDC effective January 1, 2013, for all customers served by the District through the Salmon Creek Treatment Plant (SCTP).

\*\*\*\* Tiered SDC effective January 1, 2014, for all customers served by the District through the Ridgefield Treatment Plant (RFTP).

**CLARK REGIONAL WASTEWATER DISTRICT  
RATIO OF OUTSTANDING DEBT BY TYPE  
LAST TEN FISCAL YEARS**

**Schedule 11**

Year	2005 Revenue Bonds	2012 Revenue Bonds	PWTF/SRF Loans	Contract Obligation Payable to Clark County		Total		As a Share of Personal Income
				Revenue Bonds	PWTF Loans	Amount	Per ERU	
2010	\$ 11,830,017	\$ -	\$ 17,889,753	\$ 16,140,000	\$ 335,910	\$ 46,195,680	\$ 1,350	3.57%
2011	11,265,910	-	16,923,599	13,675,000	182,694	42,047,203	1,217	3.08%
2012	10,676,803	5,417,645	15,671,272	-	-	31,765,720	908	2.17%
2013	10,057,695	4,923,980	15,331,125	-	-	30,312,800	850	2.03%
2014	9,413,588	4,418,988	25,461,097	-	-	39,293,673	1,013	2.42%
2015	-	3,903,947	19,682,456	-	-	23,586,403	588	1.26%
2016	-	3,378,658	18,429,423	-	-	21,808,081	525	1.08%
2017	-	2,842,916	17,204,261	-	-	20,047,177	463	0.91%
2018	-	2,296,515	15,979,099	-	-	18,275,614	404	0.76%
2019	-	-	14,753,937	-	-	14,753,937	314	0.56%

**Note:** Equivalent Residential Units (ERUs) were used instead of population per capita information based upon the District not having a defined base from which to derive population numbers. Personal income data used in calculating the debt as a share of personal income can be found in detail on Schedule 13 of the CAFR.

**CLARK REGIONAL WASTEWATER DISTRICT  
BOND COVERAGE RATIO  
LAST TEN FISCAL YEARS  
COVERAGE TABLE**

**Schedule 12**

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>OPERATING REVENUE</b>	\$ 14,537,971	\$ 14,705,386	\$ 14,960,131	\$ 15,893,660	\$ 18,165,870	\$ 18,125,734	\$ 19,383,517	\$ 20,263,403	\$ 21,481,927	\$ 23,125,164
<b>OPERATING EXPENSE*</b>	(8,907,661)	(9,147,598)	(9,552,162)	(11,254,831)	(12,882,539)	(14,854,096)	(20,117,427)	(18,367,593)	(19,568,919)	(22,120,612)
<b>NET OPERATING INCOME</b>	5,630,310	5,555,788	5,407,969	4,638,829	5,283,331	3,271,638	(733,910)	1,895,810	1,913,008	1,004,552
<b>NON-OPERATING INCOME</b>										
Interest on investments	275,168	289,494	201,405	104,321	271,600	307,304	339,891	301,509	849,485	1,240,450
Other non-operating revenue	946,186	779,450	10,878	15,444	47,304	552,060	872,136	785,426	598,802	873,342
Gain/(loss) on disposal of capital assets	-	-	-	-	-	(123,718)	5,999	(1,033,913)	(228,256)	290
Interest Expense	(1,598,864)	(1,468,083)	(2,471,265)	(668,591)	(670,994)	(508,173)	(172,641)	(155,553)	(138,329)	(119,554)
Other non-operating expense	(944,269)	(746,648)	(38,500)	(15,742)	-	(271,965)	(300,287)	(394,473)	(211,947)	(368,469)
<b>TOTAL NON-OPERATING INCOME</b>	(1,321,779)	(1,145,787)	(2,297,482)	(564,568)	(352,090)	(44,492)	745,098	(497,004)	869,755	1,626,059
<b>CAPITAL CONTRIBUTIONS (CASH)**</b>	3,430,229	3,397,622	7,178,366	3,010,251	5,201,265	6,652,890	7,696,391	8,796,825	10,082,833	10,814,312
<b>NET REVENUE AVAILABLE FOR DEBT SERVICE***</b>	9,337,624	9,275,706	12,760,118	7,753,103	10,803,500	10,388,209	7,880,220	10,351,184	13,003,925	13,564,477
Debt Service on Issued Bonds****	(4,363,728)	(4,367,428)	(4,369,633)	(1,691,059)	(1,692,665)	(1,696,415)	(600,000)	(600,000)	(600,000)	(600,000)
Debt Service on Junior Lien Obligations	(1,528,527)	(1,520,237)	(1,511,947)	(1,350,157)	(1,561,536)	(1,357,464)	(1,355,625)	(1,321,089)	(1,314,543)	(1,307,998)
<b>NET REVENUE AVAILABLE FOR OTHER PURPOSES</b>	3,445,369	3,388,041	6,878,538	4,711,887	7,549,299	7,334,330	5,924,595	8,430,095	11,089,382	11,656,479
<b>1.25 COVERAGERATIO TEST</b>										
<b>PARITY BOND DEBT SERVICE COVERAGERATIO</b>	2.14	2.12	2.92	4.58	6.38	6.12	13.13	17.25	21.67	22.61
<b>DEBT SERVICE COVERAGERATIO ON ALL SYSTEM OBLIGATIONS</b>	1.58	1.58	2.17	2.55	3.32	3.40	4.03	5.39	6.79	7.11

Notes

\* Excludes depreciation

\*\* Includes System Development Charges (SDCs) and Local Facility Charges (LFCs). Excludes donated capital facilities.

\*\*\* Excludes interest expense

\*\*\*\* Excludes a \$1,739,240.61 principal payment for redemption of outstanding 2012 Sewer Revenue Bonds on December 17, 2019



**CLARK REGIONAL WASTEWATER DISTRICT  
DEMOGRAPHIC STATISTICS  
LAST TEN FISCAL YEARS**

**Schedule 13**

Fiscal Year	Clark County			
	Unincorporated Population*	Per Capita Income **	Total Personal Income	Unemployment ***
2010	203,339	\$ 37,801	\$ 7,686,417,539	11.9%
2011	204,610	39,527	8,087,619,470	9.7%
2012	205,885	41,893	8,625,140,305	8.9%
2013	207,710	41,852	8,693,078,920	7.6%
2014	210,140	44,620	9,376,446,800	6.7%
2015	214,585	46,686	10,018,115,310	6.2%
2016	218,750	48,692	10,651,375,000	5.7%
2017	223,160	50,766	11,328,940,560	5.0%
2018	222,420	53,423	11,882,343,660	5.0%
2019	226,890	55,667	12,630,285,630	3.9%

**Notes:** Demographic information is from the following sources:

\* Washington State Office of Financial Management.

\*\* Federal Reserve Economic Data

Data for 2019 is not yet available. This figure was calculated by increasing the 2018 Per Capita amount by 4.2%. This average is the year-over-year growth rate for the six years prior.

\*\*\* Federal Reserve Economic Data

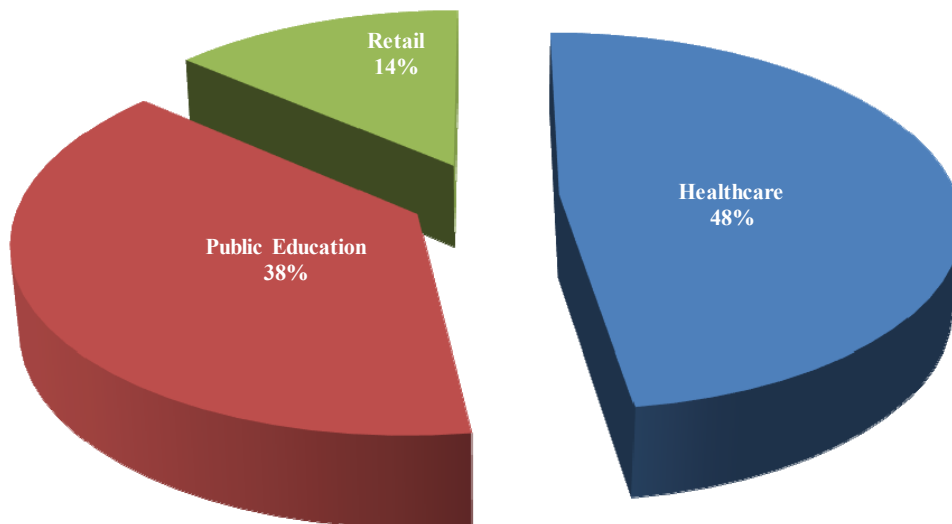
District demographics would be expected to closely follow overall Clark County.

**CLARK REGIONAL WASTEWATER DISTRICT  
EMPLOYEES FOR TEN PRINCIPAL EMPLOYERS  
CURRENT AND NINE FISCAL YEARS AGO**

**Schedule 14**

Customer	Type of Business	2019			2010		
		Employees	Rank	Percent of Employment	Employees	Rank	Percent of Employment
Legacy Salmon Creek Hospital	Healthcare	1,890	1	36.472%	800	2	25.373%
Vancouver School District	Public Education	917	2	17.696%	804	1	25.500%
Washington State University Vancouver	Public Education	463	3	8.935%	304	3	9.642%
Battle Ground Public Schools	Public Education	386	4	7.449%	205	6	6.502%
The Vancouver Clinic	Healthcare	339	5	6.542%	-	-	-
Dollar Tree Distribution Center	Retail	249	6	4.805%	-	-	-
Kaiser Permanente	Healthcare	247	7	4.766%	150	7	4.757%
Safeway	Retail	237	8	4.574%	272	4	8.627%
Ridgefield School District	Public Education	230	9	4.438%	-	-	-
UNFI	Retail	224	10	4.323%	-	-	-
Fred Meyer	Retail	-	-	-	251	5	7.961%
Hockinson School District		-	-	-	140	8	4.440%
Evergreen Public Schools		-	-	-	105	10	3.330%
Target		-	-	-	122	9	3.869%
<b>Total</b>		<b>5,182</b>		<b>100%</b>	<b>3,153</b>		<b>100%</b>

**2019 Top Ten Principal Employers by Business Type**



**Note:** Total employment for Clark Regional Wastewater District’s service area alone is not collected in the US census data or able to be calculated as a specific portion of unincorporated Clark County; therefore, a calculation of each employer’s percentage of total employment is excluded. Data is obtained directly from employers in the District’s service area.

**CLARK REGIONAL WASTEWATER DISTRICT  
WASTEWATER TREATED  
LAST TEN FISCAL YEARS**

**Schedule 15**

Millions of Gallons of Wastewater Treated						
Fiscal Year	Salmon Creek Treatment Plant*	SCTP Rate \$/MG	Ridgefield Treatment Plant**	RFTP Rate \$/MG	City of Vancouver***	COV Rate \$/MG
2010	3,325	\$ 1,988	-	-	269	\$ 2,498
2011	3,307	2,048	-	-	266	2,163
2012	3,234	1,036	-	-	269	1,867
2013	2,935	1,349	-	-	254	1,873
2014	3,201	1,237	150	6,315	259	1,940
2015	3,916	1,616	219	4,820	260	1,920
2016	3,431	1,885	183	9,835	270	2,041
2017	3,906	1,827	164	8,410	299	2,047
2018	3,424	2,256	142	9,575	287	1,582
2019	3,343	2,872	153	9,775	288	1,702

\* The SCTP is owned by the Alliance. Operations transferred from Clark County to the Alliance on January 1, 2015. About 88.3% of the District's flow is treated at the SCTP.

\*\* In January 2014, the District took over the Ridgefield collection system. Flows from the Ridgefield service area are treated at the Ridgefield Treatment Plant (RFTP), which treats approximately 4.1% of the District's total flow. The RFTP was transferred to the Alliance January 1, 2015.

\*\*\* The District has a contract with the City of Vancouver to treat up to 1 million gallons per day. The City of Vancouver treats about 7.6% of the District's flow.

**CLARK REGIONAL WASTEWATER DISTRICT  
OPERATING AND CAPITAL INDICATORS  
LAST TEN FISCAL YEARS**

**Schedule 16**

	Fiscal Years									
	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
<b>WASTEWATER TREATMENT</b>										
Miles of sewer lines	726	709	681	659	607	605	539	534	527	522
Number of treatment plants	2	2	2	2	2	2	1	1	1	1
Treatment capacity (MGD)*	15.65	15.65	15.65	15.65	15.65	15.65	14.95	14.95	14.95	14.95
Annual engineering maximum plant capacity (millions of gallons)**	5,712	5,712	5,712	5,712	5,712	5,712	5,457	5,457	5,457	5,457
Amount treated annually (millions of gallons)***	3,496	3,566	4,070	3,614	4,135	3,351	2,935	3,234	3,307	3,325
Unused capacity (millions of gallons)	2,216	2,146	1,643	2,098	1,577	2,362	2,522	2,223	2,150	2,132
Percentage of capacity utilized	61.2%	62.4%	71.2%	63.3%	72.4%	58.7%	53.8%	59.3%	60.6%	60.9%

\* MGD = millions of gallons per day. The Salmon Creek Treatment Plant (SCTP) treatment capacity is 14.95 MGD. In January 2014, the District took over the Ridgefield collection system. The City of Ridgefield Treatment Plant (RFTP) capacity is .70 MGD.

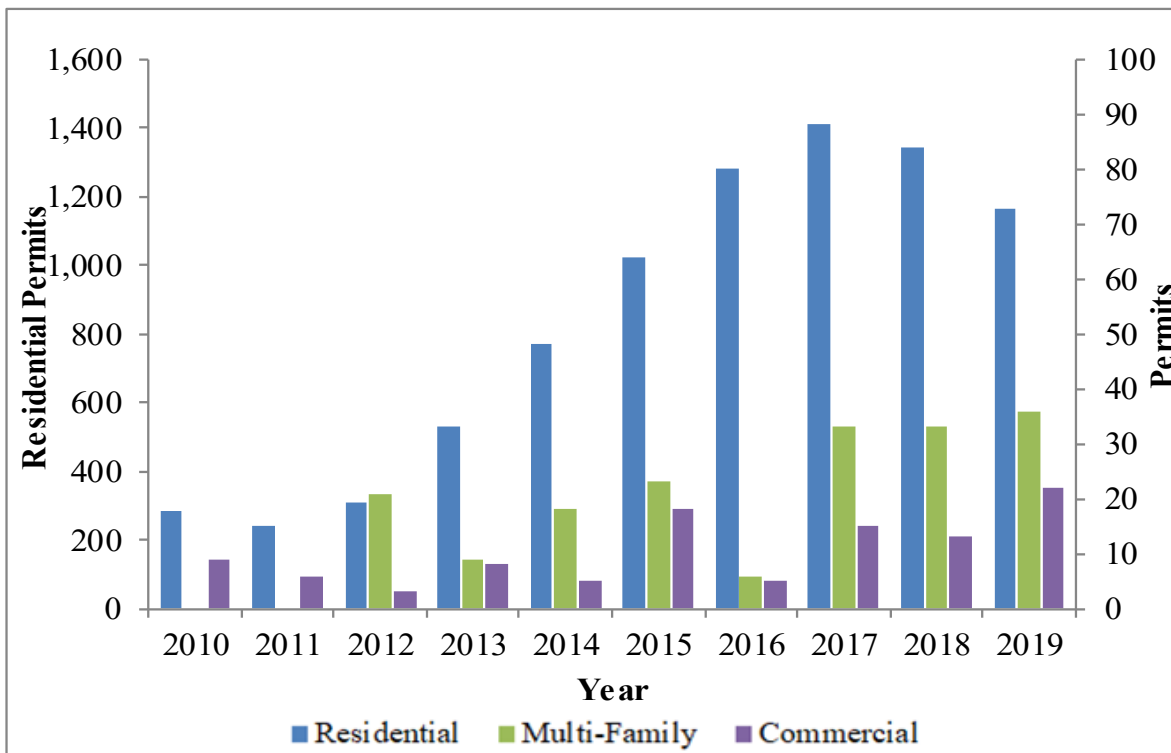
\*\* Maximum monthly flow per Department of Ecology discharge permit to the SCTP and the RFTP. Approximately 88.3% of the District's flows go to the SCTP and 4.1% of its flows go to the RFTP. In addition, the District has an agreement with the City of Vancouver to treat up to 1 million gallons average monthly flow. Currently 7.6% of the District's flows go to the City of Vancouver Westside Treatment Plant.

\*\*\* This figure is also called influent flow. Influent flow is calculated through use of the maximum monthly average and extrapolating that for the year. Even if on an annualized basis the rainfall meets average levels, if one month is exceptionally wet causing the influent flow calculation to be out of trend, this will further artificially increase the percentage of capacity utilized.

**CLARK REGIONAL WASTEWATER DISTRICT  
CONSTRUCTION SEWER PERMITS  
LAST TEN FISCAL YEARS**

Schedule 17

Year	Residential	Multi-Family	Commercial	Total
2010	283	0	9	292
2011	239	0	6	245
2012	310	21	3	334
2013	531	9	8	548
2014	772	18	5	795
2015	1,021	23	18	1,062
2016	1,284	6	5	1,295
2017	1,415	33	15	1,463
2018	1,347	33	13	1,393
2019	1,167	36	22	1,225



**Note:** The District does not have available construction cost or value for the sewer permits provided its customers.

**CLARK REGIONAL WASTEWATER DISTRICT  
DISTRICT EMPLOYEES BY FUNCTION  
LAST TEN FISCAL YEARS**

**Schedule 18**

Fiscal Year	Notes	Operations	Finance	Administration	Engineering	Business Services	Total
2010		17	8	4.5	13.4		42.9
2011	a.	17	8	7	11		43.0
2012	b.	17	10	8.5	11		46.5
2013	c.	19	10	8.5	11		48.5
2014	d.	19	10	9	12		50.0
2015	e.	18	10	10	12		50.0
2016	f.	18	10	10	14		52.0
2017	g.	18	11	11	14		54.0
2018	h.	20	11	9	14.5	4	58.5
2019	i.	21	11	11	14.5	4	61.5

- Notes:** Operations staff handles all collection, transmission and pump station operations and repairs.  
 Finance provides customer service, billing, accounting, cash, investments and debt management services.  
 Administration provides executive management, board and overall District department support.  
 Engineering staff provides permitting, developer extension agreements, development review and local facilities.  
 Business Services staff provides IT, pretreatment, human resource and risk management services.
- a. In 2011, the Administrative Assistant I position was transferred from Engineering to Administration and increased from 0.4 FTE to 0.5 FTE. In addition, an Administrative Assistant III position was transferred from Engineering to Administration.
  - b. In 2012, an Administrative Assistant II was added to Administration. In addition, an Administrative Assistant III position was increased from .5 FTE to 1 FTE. Finance added a Senior Accountant and a Customer Service Supervisor.
  - c. In 2013, Maintenance added two additional Maintenance Specialists to support the additional work that will be created by adding Ridgefield to the District's service area.
  - d. In 2014, Engineering added a Senior Project Manager and Administration added an additional Administrative Assistant III position at 1 FTE and eliminated the Administrative Assistant I position at 0.5 FTE.
  - e. In 2015, one Maintenance Support Specialist position was shifted to the Administrative Department and is now titled Administrative Assistant III.
  - f. In 2016, Engineering added a Control System Administrator position for the Regional System, as well as an Assistant Engineering Technician position, both of which were added to support continued growth in the District service area.
  - g. In 2017, Finance added the position of Accounting Technician and Administration added an Administrative Assistant I. These positions were added to support continued growth within the District's service areas.
  - h. In 2018, the District became Contract Operator of the Ridgefield Wastewater Treatment Plant. As a result, the District added two Treatment Plant operators within the Operations Department. The District also reorganized to five departments, the fifth being Business Services which includes the Assistant Manager, Pretreatment Coordinator, IT Services Manager and HR Generalist. Also, to support growth within the District the positions of Construction Program Manager and Alliance Capital Program Manager were added.
  - i. In 2019, the District Organization Chart was updated to include 3 new FTE. A Maintenance Specialist I position was added due to continued growth within the District's service area. A limited term Alliance Construction Program Manager position was added to manage the anticipated Alliance capital construction work. A second limited term position was added, Development Review Engineer/Deputy Development Program Manager, in anticipation of the retirement of the current Development Program Manager.

This table summarized the Board adopted Organizational Chart presented in the Introduction Section, page 7.