



City of Marco Island, Florida

**WATER AND SEWER
IMPACT FEE STUDY**

February 10, 2023

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EXECUTIVE SUMMARY

February 10, 2023

Honorable Chairman and
Members of the City Council
City of Marco Island
50 Bald Eagle Drive
Marco Island, FL 34145

Subject: Water and Sewer Impact Fee Study

GovRates, Inc. (GovRates) has completed our review of the water and sewer impact fees for the City of Marco Island (the "City") and has prepared this report which summarizes our analyses, findings, and recommendations. The purpose of this study was to review the existing impact fees and to make recommendations regarding the level of charges that should reasonably be in effect consistent with i) the cost or value of the utility assets installed by the City; ii) the expenditure requirements identified in the City's multi-year capital improvement program; iii) Florida statutory and case law; iv) accepted utility industry guidelines and practices regarding such fees; and v) City management objectives.

Utility impact fees support "growth paying for growth" and help to reduce the need for monthly user rate increases. They can also help to reduce the need to finance capital improvements (lower interest and issuance costs). The City's water and sewer impact fees help meet the debt service coverage requirement on the utility's outstanding bonds.

The City's water and sewer impact fees were last reviewed in 2006. Since that time, the *Engineering News-Record* Construction Cost Index, which measures inflation in the cost of construction materials for infrastructure improvements, has increased by 68%. The City's cost of providing capacity to growth has increased significantly over the past 17 years.

As discussed in this report, GovRates is recommending that the water impact fee of \$3,740 per Equivalent Residential Connection ("ERC") be increased to \$4,380 per ERC. We recommend that the sewer impact fee be increased from \$4,610 per ERC to \$5,220 per ERC. The combined water and sewer fees would be \$9,600 per ERC.

The proposed impact fees, based on the analyses and assumptions as documented in this report, are summarized in Tables ES-1 and ES-2 following this letter. As shown in Table ES-2, we propose a meter-based methodology for charging impact fees to all customers. Charging impact fees based on meter size is widely accepted in the utility industry and is extensively covered in leading industry ratemaking manuals such as the American Water Works Association's M1 manual of practice entitled *Principles of Water Rates, Fees and Charges*.

GovRates considers the proposed impact fees to be reasonable and based on the most recent and local data and costs. The City should update the impact fees whenever the utility's capital plans, costs, or funding change significantly.

Meter and service installation charges are often a significant percent of a utility's revenues other than those from monthly user rates. To the extent that these charges are not "right-sized" based on current costs, all customers must pay for the cost difference (subsidization). Maintaining miscellaneous service charges at cost-based levels helps to reduce the need for future monthly user rate adjustments. As part of this study, GovRates worked with the City staff to identify the utility's costs to provide meter and service installations. These charges have not been adjusted since 2009, and the current charges substantially under-recover the costs to provide the services. We recommend that the City adopt the proposed increased charges as shown in Table ES-3 following this letter.

We greatly appreciate the opportunity to be of service to the City and would like to thank the City management and staff for their tremendous assistance and cooperation during this study.

Yours in government service,

GovRates, Inc.



Bryan A. Mantz, CMC, CGFM
President

Table ES-1

**City of Marco Island, Florida
Water and Sewer Impact Fee Study**

**Summary of Existing and Proposed
Water and Sewer Impact Fees**

Line No.	Description	Level of Service Standard Per ERC (gpd)	Amount
IMPACT FEES			
Water Impact Fee			
1	Existing Per ERC	440	\$ 3,740
2	Proposed Per ERC	392	\$ 4,380
Change			
3	Amount		\$ 640
4	Percent		17.1%
5	Water Cost Per Gallon of Capacity - Existing		\$ 8.50
6	Water Cost Per Gallon of Capacity - Proposed		11.17
Sewer Impact Fee			
7	Existing Per ERC	220	\$ 4,610
8	Proposed Per ERC	196	\$ 5,220
Change			
9	Amount		\$ 610
10	Percent		13.2%
11	Sewer Cost Per Gallon of Capacity - Existing		\$ 20.95
12	Sewer Cost Per Gallon of Capacity - Proposed		26.63
Combined Impact Fee			
13	Existing Per ERC		\$ 8,350
14	Proposed Per ERC		\$ 9,600
Change			
15	Amount		\$ 1,250
16	Percent		15.0%

Table ES-2
City of Marco Island, Florida
Water and Sewer Impact Fee Study
Proposed Water and Sewer Impact Fee Schedule

Line No.	Description	Meter Equivalent Factor [*]	Water	Sewer	Combined
All Customer Classes					
<u>Meter Size (Inches)</u>					
1	5/8" x 3/4"	1.00	\$4,380	\$5,220	\$9,600
2	1"	2.50	10,950	13,050	24,000
3	1.5"	5.00	21,900	26,100	48,000
4	2"	8.00	35,040	41,760	76,800
5	3"	16.00	70,080	83,520	153,600
6	4"	25.00	109,500	130,500	240,000
7	6"	50.00	219,000	261,000	480,000
8	8"	80.00	350,400	417,600	768,000
9	10"	115.00	503,700	600,300	1,104,000

[*] Reflects meter equivalent factors implied by the size of the meter serving the premises based on information published by the American Water Works Association (AWWA) regarding meter capacities.

Table ES-3
City of Marco Island, Florida

Summary of Existing and Proposed Meter Charges and Service Installation Charges

Line No.	Description	Existing	Proposed
<i>Meter Charges:</i>			
1	Per Connection - 5/8" x 3/4"	\$125.00	\$245.00
2	Per Connection - 5/8" x 3/4" with Backflow	\$297.98	\$525.00
3	Per Connection - 1"	\$200.00	\$445.00
4	Per Connection - 1-1/2"	\$425.00	\$890.00
5	Per Connection - 2"	\$550.00	\$960.00
6	Per Connection - Over 2"	Actual Cost	Actual Cost
<i>Service Installation Charges:</i>			
7	Per Connection - 5/8" x 3/4"	\$172.00	\$1,415.00
8	Per Connection - 1"	\$188.00	\$1,415.00
9	Per Connection - 1-1/2"	\$249.00	\$1,415.00
10	Per Connection - 2"	\$298.00	\$1,450.00
11	Per Connection - Over 2"	Actual Cost	Actual Cost

IMPACT FEE ANALYSIS

IMPACT FEE ANALYSIS

Background on Water and Sewer Impact Fees

The City of Marco Island (the "City") owns a water and sewer system (the "System") that provides an essential service on a continuous basis. Historically, the City has utilized water and sewer impact fees ("Impact Fees") to fund a portion of constructing the infrastructure requirements associated with growth.

The purpose of Impact Fees is to assign the proportionate share of growth-related capital costs to new customers benefiting from such additional costs. This practice has been referred to as "growth paying its own way" without existing user cost burdens.

The initial precedent for Impact Fees in Florida was set in the Florida Supreme Court decision *Contractors and Builders Association of Pinellas Authority v. The Authority of Dunedin, Florida*. In this case, the Court's ruling found that an equitable cost recovery mechanism, such as Impact Fees, could be levied for a specific purpose by a Florida municipality as a capital charge for services. On June 14, 2006, new Impact Fee legislation became effective as Chapter 2006-218, Laws of Florida, and was later incorporated in Section 163.31801 of the Florida Statutes. These new Impact Fee laws, which were labeled as the "Florida Impact Fee Act," recognize that Impact Fees are an important source of revenue for a local government to use in funding the infrastructure necessitated by growth. The Florida Impact Fee Act has subsequently been amended in May 2009 with Florida House Bill 227, in July 2019 with Florida House Bill 207, and in June 2021 with Florida House Bill 337. The act states that an Impact Fee adopted by ordinance of a county or municipality, or by resolution of a special district, must meet the following minimum requirements:

- The Impact Fee must be calculated based on the most recent and localized data.
- The local government must provide for accounting and reporting of Impact Fee collections and expenditures in a separate accounting fund.
- The local government must limit administrative charges for the collection of Impact Fees to actual costs.
- The local government must provide notice no less than 90 days before the effective date of an ordinance or resolution imposing a new or amended Impact Fee. However, a county or municipality is not required to wait 90 days to decrease, suspend, or eliminate an Impact Fee.
- The local government may not require payment of the Impact Fee before the date of issuance of the building permit.

- The Impact Fee must be reasonably connected to, or have a rational nexus with, the need for additional capital facilities and the increased impact generated by the construction.
- The Impact Fee must be reasonably connected to, or have a rational nexus with, the expenditures of the revenues generated and the benefits accruing to the new construction.
- The local government must specifically earmark revenues generated by the impact fees to acquire, construct, or improve capital facilities to benefit new users.
- The local government may not use revenues generated by the Impact Fees to pay existing debt or for previously approved projects unless the expenditures are reasonably connected to, or have a rational nexus with, the increased impact generated by the new construction.

The Florida Impact Fee Act also states:

"In any action challenging an impact fee, the government has the burden of proving by a preponderance of the evidence that the imposition or amount of the fee meets the requirements of state legal precedent or this section. The court may not use a deferential standard."

Florida House Bill 337 added the following Impact Fee increase limitations:

- An increase in the Impact Fee of not more than 25% must be implemented in two equal annual increments.
- An increase in the Impact Fee greater than 25% but not more than 50% must be implemented in four equal installments.
- An Impact Fee increase may not exceed 50% of the current fee.
- An Impact Fee may not be increased more than once every 4 years.

HOWEVER, a local government can increase impact fees beyond the phase-in limitations if:

- A demonstrated needs study has been completed within the past 12 months that expressly demonstrates extraordinary circumstances necessitating the need to exceed the phase-in limitations.
- The local government holds two publicly noticed workshops dedicated to the extraordinary circumstances.
- The Impact Fee increases is approved by at least a two-thirds vote of the governing body.

The Florida Impact Fee Act also states that "This section does not apply to water and sewer connection fees." Based on legal opinions that we have received, many provisions of the Florida Impact Fee Act – including the increase limitations – are not applicable to water and sewer impact fees. According to the legal opinions:

Impact Fees have been defined as "scheduled charges applied to new development to generate revenue for the construction or expansion of capital facilities located outside the boundaries of the new development (off-site) that benefit the contributing development." Ronald H. Rosenberg, *The Changing Culture Of American Land Use Regulation: Paying For Growth With Impact Fees*, 59 S.M.U. L.Rev. 177, 206 (Winter 2006) (citing James C. Nicholas, Arthur C. Nelson & Julian C. Juergensmeyer, *A Practitioner's Guide to Development Impact Fees* 1–2 (1991)).

"Impact fees, which include connection fees, are the method by which a new user of a municipally-owned water or sewer system pays his or her fair share of the costs that the new use of the system involves." *See Contractors & Builders Ass'n v. City of Dunedin*, 329 So.2d 314 (Fla.1976).

"A connection fee is generally considered to be a type of impact fee charged by utility companies for initiating new service." *See, e.g., Save Our Septic Sys. Comm., Inc. v. Sarasota Cnty.*, 957 So.2d 671 (Fla. 2d DCA 2007); *City of Zephyrhills v. Wood*, 831 So.2d 223, 224 (Fla. 2d DCA 2002).

The Florida Impact Fee Act legislation was apparently written based upon a particular jurisdiction which referred to their water and sewer Impact Fees as "water and sewer connection fees" but the intent was to exempt water and sewer Impact Fees regardless of what they are called.

Based on Florida statutory and case law, certain conditions are required to develop a valid Impact Fee:

- 1. The Impact Fee must meet the "dual rational nexus" test.** First, Impact Fees are valid when a reasonable impact or rationale exists between the anticipated need for capital facilities and the growth in population. Second, Impact Fees are valid when a reasonable association, or rational nexus, exists between the expenditure of the Impact Fee proceeds and the benefits accruing to the development from use of those proceeds.
- 2. The system of Impact Fees and related charges should be set up so that there is not an intentional windfall to existing users.**
- 3. The Impact Fee should only cover the capital cost of construction and related costs (engineering, legal, financing, administrative, etc.) for capital expansions or other capital requirements to serve growth.** Expenses for rehabilitation or replacement of a facility benefiting the existing customers (e.g., replacement of a capital asset) or an increase in the level of service should be borne by all users of the facility (i.e., existing and future users to the extent that capacity is available in such facilities to serve growth). Similarly, increased expenses due to operation and maintenance of that facility should be borne by the existing users of the utility and are not a cost component of the derivation of the Impact Fees.

- 4. An Impact Fee resolution or ordinance should be maintained that explicitly restricts the use of Impact Fees collected and requires Impact Fee revenue to be set aside in a separate account.** Separate accounting must be made for those funds to ensure that they are used only for the lawful purposes described above.

The courts, recent legislation, and industry practices have addressed three areas associated with the development of Impact Fees. These areas include i) the "fair share" concept relating to payment of the fee by the affected property owners; ii) the "rational nexus" concept, which focuses on the expenditure or purpose of the fee; and iii) the consideration of credits that recognize appropriate fee offsets (e.g., grant-funded infrastructure).

The fair share concept addresses the fact that the fee can only be used for capital expenditures attributable to new growth. The fee cannot be used to finance level of service deficiencies or the replacement of existing facilities required to provide services to the existing system users. Typical industry practices also allow for establishing different fees for different classes of customers and the ability for the payment of a reduced impact fee if applicants can demonstrate that their development will have smaller impact (or capacity need resulting in a lower allocated capital requirement) than assumed in the fee determination. Additionally, the fair share concept recognizes that the cost of facilities used by both existing customers and new growth must be apportioned between the two user groups such that the user groups are treated equally, and that one group does not intentionally subsidize the other.

The rational nexus concept requires that there be a reasonable relationship between the need for capital facilities and the benefits to be received by new development for which the fee will be expended or applied. The City's existing infrastructure and the corresponding financing and management of such infrastructure is on a system-wide basis. And as such, the Impact Fees were calculated on a System-wide basis. The second nexus condition recognizes that the property must receive a benefit from the public services for which the fee is being applied. The water and sewer facilities are used by and are constructed on behalf of all the property within the City's service area and benefit both residential and commercial customers. As such, all new growth requesting capacity from the utility system is subject to the application of the Impact Fees.

Credit or fee offsets recognize that credits should be applied to an Impact Fee if an agency has received property in the form of cost-free capital or if there is a specific revenue (e.g., taxes) that will be used for the growth-driven capital expenditures for which the impact fee was designed. Examples of cost-free capital include grants, property contributions by developers, infrastructure funded from external sources (assessments), and other sources that provide funds toward the capital expenditures for which the impact fee was designed to recover. These credits allow for the recovery of costs to serve new development through impact fees net of such cost-free capital. The calculated water and sewer Impact Fees recognize the above-referenced issues.

Existing Water and Sewer Impact Fees

The City’s existing water Impact Fee of \$3,740 per equivalent residential connection ("ERC") and sewer Impact Fee of \$4,610 per ERC were adopted by the City Council on November 6, 2006 pursuant to Ordinance No. 2006-16 (the "Impact Fee Ordinance"). A copy of the Impact Fee Ordinance is shown in Appendix A of this report.

The Impact Fees are intended to be based on the estimated equitable portion of the cost of providing water and sewer capacity of the System to new development or growth, and are imposed on an ERC basis. An ERC is a unit of capacity demand and is generally considered to be the average daily demand of a typical single-family residential home. The Impact Fee Ordinance defines one water ERC as having a level of service ("LOS") standard of 440 gallons per day ("gpd") and one sewer ERC as having an LOS standard of 220 gpd.

Impact Fee Development

There are several accepted and reasonable approaches for developing utility impact fees. Three (3) significant components are addressed in the design of the City's water and sewer Impact Fees. These three components include i) the total capital investment recognized as a cost component that may be recovered from a new applicant requesting capacity; ii) the total estimated dependable capacity associated with the capital investment; and iii) the level of service to be apportioned to the applicant requesting System capacity. The recognition of these components provides the general basis to recover the allocated capital costs from a new applicant requesting service and is represented in the following Figure 1:

Figure 1: Impact Fee Determination Methodology



All of these components are necessary to determine Impact Fee amounts to be charged to new applicants requesting service on an equivalent residential connection basis.



Utility Impact Fee calculations are typically based on i) the buy-in method; ii) the improvements method; or iii) a blended or hybrid approach. The buy-in (or historical) method is typically used when the system has sufficient capacity to meet both near-term and long-term capacity needs. New development "buys" a proportionate share of capacity at the cost or value of the existing facilities.

The improvements method is based on future capital costs and new capacity determined over a projected period of time. This approach may not account for unused constructed capacity that may be available to serve new development. The improvements method is similar to the standards method in that it is based on a future cost; however, it is specific to the utility as opposed to a theoretical construction cost standard.

For the purposes of this study, a blending of the buy-in method and improvements method was recognized given that the City has existing utility infrastructure available to serve growth as well as planned capital improvements.

Equivalent Residential Connection (ERC) Determination Methodology

As shown in Appendix A, residential ERC's are currently determined based on the square feet of the living unit. Nonresidential ERC's are based on the estimated average dependable daily capacity, or ERC factors based on customer attributes if a capacity estimate is unavailable.

The City should have an ERC determination methodology that fairly and equitably reflects the capacity costs of the varying new customer capacity needs. Accepted and utilized approaches for determining nonresidential ERC's include estimated flow-based, attributes-based, fixture-based, and meter-based methodologies. Similar to the City, some utilities have a blended approach. Each approach has advantages and disadvantages.

Under the estimated flow approach, ERC's are determined based on engineering analysis or empirical usage data for actual (similar) customers being served. While this approach may be reasonable for approximating actual demand, water use as measured by a customer's meter may not necessarily correspond to demand (due to outdoor / irrigation uses), and the variance of annual usage over time may skew the calculation of demand. Utilities often recognize significant differences between the estimated demand and the actual usage when the customer connects. Moreover, similar customers could have different plumbing configurations and, hence, differences in potential demand. Other utilities in the State of Florida that utilize the estimated flow approach include the following:

Selected utilities in Florida that utilize estimated flow methodology:

- DeSoto County
- Englewood Water District

The advantage of the attributes method is that it may be a better indicator of actual use compared to a fixture or meter equivalent approach that does not specifically consider how the facility will be used. However, one downside is that compared to fixture counts or meter size, the attributes method can be more administratively burdensome, especially when involving the redevelopment of property. For example, under the attributes method, additional Impact Fees may be required for the redevelopment of a particular property even if there is no change in meter size or overall number of plumbing fixtures compared to the original development on the property. Under the attributes method, there may be difficulty in surveying the capacity requirements associated with different types of nonresidential establishments (some may not be easily categorized). The capacity or gpd assigned to the different attributes may also be unrealistic. Other utilities in the State of Florida that utilize the customer attributes approach include the following:

Selected utilities in Florida that utilize customer attributes methodology:

- Charlotte County
- Town of Davie
- City of Deltona
- City of Eustis
- City of Fruitland Park
- Hillsborough County
- Lee County
- Town of Longboat Key
- City of Marco Island
- City of Melbourne
- Okeechobee Utility Authority
- City of Palm Bay
- City of Sanibel
- Sarasota County
- Volusia County

With a plumbing fixture approach, an advantage is that the number of ERC's is based on industry demand standards – each fixture has the potential to require a specific amount of flow, and the ERC value reflects such potential based on the number of fixtures installed on the property. Also, the approach considers the capacity needs on an individual customer basis – the customer-specific capacity analyses based on fixture values link to the customer-specific plumbing

attributes. The disadvantage of the fixture count approach is that it may or may not reflect differences in customer end use characteristics. Moreover, there may be potential administrative difficulties in surveying existing establishments. Utilities in the State of Florida that utilize the plumbing fixture approach include:

Selected utilities in Florida that utilize plumbing fixture methodology:

- City of Bartow
- City of Bradenton
- City of Daytona Beach
- City of DeLand
- City of Holly Hill
- City of North Port
- City of Orange City
- City of Ormond Beach
- City of Ponce Inlet
- City of Port Orange
- City of Sanford
- City of South Daytona

The meter size approach is typically based on rated maximum flow capacity for each customer's meter size (i.e., the hydraulic capacity of meter), and is generally the easiest method to apply to new development. This method is widely referenced in American Water Works Association (AWWA) manuals of practice and is easy to calculate and administer. It is also rarely challenged. The shortcoming of this method is that it does not specifically capture any customer capacity diversity differences in end use characteristics of differing facilities with the same meter sizes, especially for large-metered customers (greater than 2-inch) (e.g., office building versus restaurant). Utilities in the State of Florida that utilize the meter-based / meter equivalent approach include:

Selected utilities in Florida that utilize meter-based / meter equivalent methodology:

- Bonita Springs Utilities, Inc.
- City of Cape Coral
- City of Clearwater
- Collier County Water-Sewer District
- Gasparilla Island Water Association
- JEA (City of Jacksonville)
- Manatee County
- City of Naples



- Utilities Commission of New Smyrna Beach
- City of Ocala (for meters up to 2-inches)
- City of Punta Gorda
- City of Sarasota
- Seminole County
- City of Tallahassee
- City of Venice
- City of West Palm Beach
- City of Winter Garden

Recommendation

Based on discussions with the City staff, GovRates recommends that a meter equivalent methodology be adopted. A key benefit of the meter-based methodology is that it is challenged less than other accepted methodologies.

Level of Service Requirements

In the evaluation of the capital facility needs for providing water and wastewater utility services, it is critical that a level of service ("LOS") standard be developed. Per Section 163.3164(28) of the Florida Statutes, the "level of service" means "an indicator of the extent or degrees of service provided by, or proposed to be provided by a facility, based on and related to the operational characteristics of the facility." A level of service indicates the capacity per unit of demand for each public facility or service. Essentially, the level of service standards are established in order to ensure that adequate facility capacity will be provided for future development and for purposes of issuing development orders or permits pursuant to Section 163.3202(2)(g) of the Florida Statutes.

For water and wastewater service, the level of service that is commonly used in the industry is the amount of capacity (service) allocable to an ERC expressed as the amount of usage (gallons) allocated on an average daily basis. This allocation of capacity would generally represent the amount of capacity allocable to an ERC, whether or not such capacity is actually used (commonly referred to as "readiness to serve"). As previously mentioned, an ERC – sometimes known as an equivalent residential unit ("ERU") or equivalent dwelling unit ("EDU") – is representative of the average capacity allocated to provide service to a typical individually-metered single-family residential account. This class of users is usually the largest number of customers served by a public utility such as the City's, and such customers generally have the lowest level of usage requirements for a specific metered account.

GovRates reviewed the Utility's water and sewer LOS standards as a part of the Impact Fee analysis. As shown in Appendix B, which is an excerpt from the City's Comprehensive Plan, the adopted potable water LOS for one person is 200 gallons per day (200 gallons per capita per day) while the adopted sanitary sewer LOS for one person is 100 gallons per day. As shown in Appendix C, the United States Census has recognized 1.96 persons per household within the City. One ERC is equivalent to the usage requirements of a single-family residential home and was assumed to have an LOS standard of 392 gpd of water production and treatment capacity (200 gallons per capita per day for water service * 1.96 persons per household), and 196 gpd of sewer treatment and disposal capacity (100 gallons per capita per day for sewer service * 1.96 persons per household). Based on a review of historical flows and customer usage, GovRates considers that these updated LOS standards are reasonable and supportable for the purpose of calculating the proposed water and sewer Impact Fees.

Existing Utility Assets in Service

In the determination of the Impact Fee associated with serving future customers, any capacity of the existing utility system available to serve such growth should be considered. Since this capacity is available to serve the near-term incremental growth of the utility system, it is appropriate to evaluate the capacity availability of such facilities. To evaluate the availability of the existing utility assets to meet future capacity needs during the forecast period, the existing water and sewer utility assets were reviewed. The City provided reported utility asset information through September 30, 2021. Each asset was reviewed to determine if it provided a system-wide benefit (benefits future customers) and, as such, was eligible to be included in the Impact Fee calculations. The City staff provided assistance with functionalizing the assets and identifying the assets that were grant-funded, contributed, or acquired through some other cost-free method. The fixed asset analysis is shown in Table 1 at the end of this report.

As shown in Table 2 at the end of this report, it is estimated that the City's existing water treatment facilities have 6.77% availability to serve growth, while the existing sewer treatment facilities have 45.86% availability to serve growth.

Additional Capital Investment

The water and sewer multi-year capital improvement plan, as prepared and estimated by the City staff, contains projects representing i) new facilities to accommodate growth; ii) upgrades of existing assets to accommodate new and existing customers; and iii) replacements of existing assets or projects which generally benefit current users of the System.

GovRates held working sessions with the City staff to review the multi-year capital improvement program (the "CIP") and determine the appropriateness of including project costs in the Impact Fee calculations. The CIP analysis is shown in Tables 3 and 4 at the end of this report. These amounts do not include any capital costs associated with departmental capital outlay, which is the ongoing replacement of vehicles, equipment, machinery, computers, furniture, and other assets that generally have relatively short average service lives (e.g., five years). Departmental capital is typically considered or classified as general plant and is funded on a "pay-as-you-go" basis through the annual user rate revenues of the System. Adjustments were made to recognize capital projects that are replacing existing assets.

Water and Sewer Impact Fee Calculations

Based on our understanding of the fair share apportionment rule identified by case law, only water production / wastewater treatment and major backbone transmission costs were recognized in the water and wastewater Impact Fee calculations. Distribution / collection project costs were not recognized because they i) generally are not system-wide costs (i.e., the projects tend to benefit specific customers); ii) in many instances are funded by a specific charge applied to a customer (e.g., line extension charges, etc.); and iii) are usually contributed to the City as part of the development process (e.g., it would not be equitable for a developer who has contributed the distribution / collection assets to pay an Impact Fee which includes recovery of distribution/collection projects).

The Impact Fee calculations are shown in Tables 5 and 6 at the end of this report, and are summarized in Table ES-1 after the executive summary letter of the report. Both the water and wastewater Impact Fees are proposed to be increased. The Impact Fees have not been formally reviewed since 2006, and this study "right-sizes" the fees based on the most recent and local data and costs.

Impact Fee Comparisons

In order to provide additional information to the City, a comparison of the existing and calculated fees for the City with those of other Florida jurisdictions was prepared. This comparison, summarized on Table 7 and Figure 2 at the end of this report, provides a comparison of Impact Fees charged to single-family residential connections (i.e., one ERC) that are currently imposed by other municipal/governmental water and sewer systems located primarily in the southwest Florida region. Figure 2 shows a graphical representation of the comparison. It is important to note that the methods used in the development of the water and sewer Impact Fees imposed may vary. Moreover, no analysis has been performed to determine whether 100% of the proportionate cost of new facilities is recovered from system Impact Fees, or some percentage

less than 100% with the balance recovered through the user charges. Additionally, the types of capital facilities currently in service or planned for the utility may have a material effect on the impact fee charged by a local government. For example, wastewater effluent disposal utilizing a deep injection well system generally has a higher capital cost per unit of capacity than use of a surface water discharge such as an outfall to a bay or river. The capital costs associated with constructing reverse osmosis water treatment facilities, which treat brackish water, are higher than those of lime softening facilities, which treat freshwater.

Some reasons why Impact Fees differ among utilities:

- Source and quality of raw water supply.
- Proximity to source of supply.
- Type and complexity of treatment process.
- Effluent disposal method.
- Density of service area.
- Availability of grant funding to finance capital assets / CIP.
- Age of system.
- Utility life cycle (e.g., growth-oriented vs. mature).
- Level of service standards.
- Impact fee calculation approach.
- Administrative policies, such as a decision to maintain fees at a level below what could be justifiably charged.
- Time of last review (e.g., may have not been reviewed for 20 years).

Of the surveyed utilities, the City would have the highest combined water and sewer Impact Fees at \$9,600, although this amount is close to what the City of Boca Raton currently charges.

Impact Fee Policies

Certain changes to the impact fee policies in the City's Code of Ordinances are recommended to be made to be consistent with the recommended change to a meter size / meter equivalent methodology for determining the impact fee amounts to be charged to an applicant.

Meter Charges and Service Installation Charges

The City's utility has several charges or fees that are billed to customers to recover costs for specific services provided by the City at the request of a customer (e.g., service turn on) or by a direct action of the customer as it relates to City policy and procedures (e.g., customer disconnect for nonpayment). Revenues derived from these charges reduce the level of expenditures



(revenue requirements) that must be recovered from monthly user rates. (The costs for the services are directly passed through to the customers requesting the services.) Meter charges and service installation charges are two of the larger miscellaneous service revenue streams, and these charges have not been adjusted since 2009. "Right sizing" the charges to reflect the utility's cost of providing the services helps to avoid subsidization by other utility customers through monthly user rates.

The proposed meter charges and service installation charges shown in Table ES-3 following the executive summary letter are based on the City's estimated costs (e.g., labor, vehicles/equipment, and parts/supplies) of providing such services. The cost derivation is shown in Table 8 at the end of this report.

Conclusions and Recommendations

Based on our review of the City's water and sewer Impact Fees, GovRates offers the following conclusions and recommendations:

1. Based on our review, the City's current water and sewer Impact Fees do not appear to be recovering the estimated proportionate cost per equivalent residential connection for water and wastewater capacity. The Impact Fees have not been formally reviewed since 2006 (17 years ago), and this study "right-sizes" the fees based on the most recent and local data and costs.
2. Based on a review of historical flows and customer usage, standards in the City's comprehensive plan, and data from the United States Census, we recommend that, for Impact Fee calculation purposes, the level of service standards be 392 gpd (average daily demand) for a water ERC and 196 gpd (average daily demand) for a sewer ERC.
3. We recommend that the City update the Impact Fees as capital plans, costs, or funding change significantly.
4. We recommend that the City Council consider adopting the meter size / meter equivalent-based schedule of Impact Fees shown in Table ES-2 of this report.
5. We recommend that the City Council consider adopting the proposed impact fee policy changes to be consistent with the recommended change to a meter size / meter equivalent-based methodology to determine the impact fee amounts to be charged to an applicant.
6. We recommend that the City Council consider adopting the proposed meter charges and service installation charges shown in Table ES-3 of this report.

ANALYSIS TABLES AND FIGURES

Table 1
City of Marco Island, Florida
Water and Sewer Impact Fee Study

Summary of Existing Utility Assets

Line No.	Asset Number	Description	Acquired Date	Acquisition Amount	Adjustments	Adj. Acq. Amt.	Water System						Sewer System			General Plant	
							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Effl./Recl.	Transmission		Collection & Direct Recl.
77	7329	IRMA-MISC CITY PROPERTY REPAIR - S WATER	5/29/2019	14,708	(14,708)	-	-	-	-	-	-	-	-	-	-	-	-
78	7332	IRMA-MISC CITY PROPERTY REPAIR - N WATER	5/29/2019	21,114	(21,114)	-	-	-	-	-	-	-	-	-	-	-	-
79	7531	NWTP Lime Sludge Press Building - IRMA	4/27/2020	334,419	(334,419)	-	-	-	-	-	-	-	-	-	-	-	-
80	7690	Paint MF Bldg door & walls	9/4/2020	2,350	-	2,350	-	-	-	-	-	-	-	-	-	-	2,350
81	7700	RWPF SHED	2/25/2020	3,274	-	3,274	-	-	-	-	-	-	-	-	-	-	-
82	7722	SWTP RO BAY DOOR IMPROVEMENT	7/15/2021	1,971	-	1,971	-	-	-	-	-	-	-	-	-	-	-
83	7728	BLEACH BUILDING - IRMA	10/1/2020	35,255	(35,255)	-	-	-	-	-	-	-	-	-	-	-	-
84	7729	SWTP HIGH SERVICES PUMP HOUSING	10/1/2020	202,665	-	202,665	-	-	-	-	-	-	-	-	-	-	-
85	7760	RWPF BLEACH TANK HOUSING STRUCTURE	11/18/2020	194,733	-	194,733	-	-	-	-	-	-	-	-	-	-	-
86	7882	SWF DOOR	4/5/2021	2,235	-	2,235	-	-	-	-	-	-	-	-	-	-	-
87	7970	PAINT NWTP HSP BLDG DOORS	9/30/2021	1,950	(1,950)	-	-	-	-	-	-	-	-	-	-	-	-
88	6308	RENEW & REPLACE WATER (C/D)	7/9/2014	0	-	-	-	-	-	-	-	-	-	-	-	-	-
89	6309	RENEW & REPLACE SEWER (C/D)	7/9/2014	0	-	-	-	-	-	-	-	-	-	-	-	-	-
90	6315	RENEW & REPLACE WATER	9/30/2014	0	-	-	-	-	-	-	-	-	-	-	-	-	-
91	6316	RENEW & REPLACE SEWER	8/12/2014	0	-	-	-	-	-	-	-	-	-	-	-	-	-
92	6319	DEAD END FLUSHING	9/30/2014	0	-	-	-	-	-	-	-	-	-	-	-	-	-
93	6320	INFRASTRUCTURE - LIGHTING	9/30/2014	0	-	-	-	-	-	-	-	-	-	-	-	-	-
94	6356	RENEW & REPLACE WATER	6/8/2015	34,583	(34,583)	-	-	-	-	-	-	-	-	-	-	-	-
95	6363	WW COLLECTION SYSTEM REHAB	2/17/2015	2,231	-	2,231	-	-	-	-	-	-	-	-	-	-	2,231
96	6415	RENEW & REPLACE SEWER	1/20/2015	24,873	(24,873)	-	-	-	-	-	-	-	-	-	-	-	-
97	6462	WATER PIPE UPGRADE	12/26/2014	4,734	-	4,734	-	-	-	-	-	-	-	-	-	-	-
98	6650	NWP SLUDGE POND	9/28/2015	42,897	(42,897)	-	-	-	-	4,734	-	-	-	-	-	-	-
99	6656	REHAB GRAVITY SEWER	11/30/2015	361,349	-	361,349	-	-	-	-	-	-	-	-	-	-	361,349
100	6665	EMERGENCY REPAIR OF LIFT STATION 43	11/16/2015	38,891	(38,891)	-	-	-	-	-	-	-	-	-	-	-	-
101	6697	SAMPLE STATIONS	8/31/2015	18,863	-	18,863	-	-	-	-	-	-	-	-	-	-	-
102	6708	SWTP Warehouse insulation	11/30/2015	54,857	-	54,857	-	-	-	-	-	-	-	-	-	-	-
103	6736	US 41/951 Improvements	12/14/2015	125,458	-	125,458	-	-	-	62,729	-	-	-	-	-	-	62,729
104	6745	RWPF UNDERGROUND AIR PIPING	3/30/2016	30,989	(30,989)	-	-	-	-	-	-	-	-	-	-	-	-
105	6766	EMERG REPAIR TO 8" GRAVITY SEWER MAIN	1/19/2016	8,011	(8,011)	-	-	-	-	-	-	-	-	-	-	-	-
106	6773	WATER MAIN UPGRADGES	2/2/2016	512,475	-	512,475	-	-	-	-	-	-	-	-	-	-	-
107	6800	EMERG SEWER RPR BALD EAGLE/GOLDENROD	9/26/2016	82,492	(82,492)	-	-	-	-	-	-	-	-	-	-	-	-
108	6803	ADAPTERS/FLANGES	1/19/2016	4,250	-	4,250	-	-	-	-	-	-	-	-	-	-	4,250
109	6808	SWTP SITE IMPR. SURVEY/ENG.	6/6/2016	14,432	-	14,432	-	-	-	-	-	-	-	-	-	-	14,432
110	6824	LS-40 SECURITY FENCE	5/11/2016	2,875	-	2,875	-	-	-	-	-	-	-	-	-	-	2,875
111	6835	GALLEON WATERWAY WATER PIPE	6/6/2016	8,100	-	8,100	-	-	-	8,100	-	-	-	-	-	-	-
112	6869	CORROSION INHIBITION PROGRAM	9/26/2016	28,680	(28,680)	-	-	-	-	-	-	-	-	-	-	-	-
113	6880	WATER MAIN UPGRADES	10/1/2015	769,655	-	769,655	-	-	-	769,655	-	-	-	-	-	-	-
114	6886	SEAWALLS/DOCKS	10/1/2015	721,785	-	721,785	-	-	-	721,785	-	-	-	-	-	-	-
115	6890	WATER PIPE UPGRADE	10/1/2015	1,018,129	-	1,018,129	-	-	-	1,018,129	-	-	-	-	-	-	-
116	6922	HEADWORKS	5/12/2017	5,824,810	(5,824,810)	-	-	-	-	-	-	-	-	-	-	-	-
117	6935	SEWER MAIN COLLIER/CHESTNUT CT	10/10/2016	46,196	-	46,196	-	-	-	-	-	-	-	-	-	-	46,196
118	6970	MARCO LAKE PUMP HOUSE IMPROVEMENTS	9/29/2017	39,471	-	39,471	-	-	-	19,736	-	-	-	-	-	-	19,736
119	6978	EMERGENCY REPAIR OF PIPING AT RO PLANT	2/6/2017	16,399	(16,399)	-	-	-	-	-	-	-	-	-	-	-	-
120	6980	REPLACE 10" POTABLE WATER BARF	3/8/2017	30,247	(30,247)	-	-	-	-	-	-	-	-	-	-	-	-
121	7026	STRUCTURAL IMPROVEMENTS	9/30/2017	47,409	(47,409)	-	-	-	-	-	-	-	-	-	-	-	-
122	7036	Concrete Pad	8/14/2017	88,114	-	88,114	-	-	-	-	-	-	-	-	-	-	-
123	7042	CORROSION INHIBITION PROGRAM	9/30/2017	40,918	(40,918)	-	-	-	-	-	-	-	-	-	-	-	-
124	7066	CORROSION INHIBITION PROGRAM	6/30/2018	42,530	(42,530)	-	-	-	-	-	-	-	-	-	-	-	-
125	7109	RWPF - Odor Control	4/9/2018	68,641	-	68,641	-	-	-	-	-	-	-	-	-	-	68,641
126	7134	RAW WATER BARBED WIRE FENCE (IRMA)	1/3/2018	6,280	(6,280)	-	-	-	-	-	-	-	-	-	-	-	-
127	7170	PRECAST CONCRETE WALL	7/16/2018	9,275	-	9,275	-	-	-	9,275	-	-	-	-	-	-	-
128	7248	CONCENTRATE DISCHARGE PIPE	10/31/2017	37,346	-	37,346	-	-	-	37,346	-	-	-	-	-	-	-
129	7297	IRMA - NWTP	5/29/2019	189,290	(189,290)	-	-	-	-	-	-	-	-	-	-	-	-
130	7338	ML (2) ASR Filter Tanks Rehabilitation	1/2/2019	210,690	(210,690)	-	-	-	-	-	-	-	-	-	-	-	-
131	7339	SR-951 Utility Relocation	9/30/2019	366,543	-	366,543	-	-	-	183,271	-	-	-	-	-	-	183,271
132	7363	RAISE CONCRETE BASINS	1/2/2019	2,893	-	2,893	-	-	-	2,893	-	-	-	-	-	-	-
133	7364	LIME PLANT CHEM STORAGE	1/2/2019	6,279	-	6,279	-	-	-	6,279	-	-	-	-	-	-	-
134	7367	Plant trees ELKCAM CIRCLE	12/11/2018	2,895	-	2,895	-	-	-	-	-	-	-	-	-	-	2,895
135	7394	SWALLOW FORCE MAIN	4/1/2019	372,744	-	372,744	-	-	-	-	-	-	-	-	-	-	372,744
136	7424	CORROSION INHIBITION PROGRAM	6/24/2019	50,165	(50,165)	-	-	-	-	-	-	-	-	-	-	-	-
137	7454	CONCRETE PAD @ASR BUILDING	5/6/2019	1,340	-	1,340	-	-	-	1,340	-	-	-	-	-	-	-
138	7463	SWTP Fiber/Power Conduits	7/8/2019	7,430	-	7,430	-	-	-	7,430	-	-	-	-	-	-	-
139	7468	REPLACEMENT OF FUEL LINES MIWW UNIT #1	9/23/2019	18,626	(18,626)	-	-	-	-	-	-	-	-	-	-	-	-
140	7471	CONCRETE WORK AROUND UTILITIES	7/8/2019	5,760	-	5,760	-	-	-	-	-	-	-	-	-	-	-
141	7485	SOURCE WATER BEAUTIFICATION	7/24/2019	5,150	-	5,150	-	-	-	5,150	-	-	-	-	-	-	-
142	7504	Protective Coating on Pall Compressor	9/4/2019	1,350	-	1,350	-	-	-	-	-	-	-	-	-	-	1,350
143	7528	SWTP Acidification Production Well Rehab	4/8/2020	214,600	(214,600)	-	-	-	-	-	-	-	-	-	-	-	-
144	7562	PAINTING SERVICES ON MBR Structure RWPF	11/12/2019	1,450	-	1,450	-	-	-	-	-	-	-	-	-	-	-
145	7565	MBR TANK COATING - CORROSION I	11/12/2019	18,160	(18,160)	-	-	-	-	-	-	-	-	-	-	-	-
146	7590	Repaving road at SWTP	2/27/2020	24,987	-	24,987	-	-	-	-	-	-	-	-	-	-	-
147	7649	1413 BERMUDA SEWER MAIN	4/27/2020	17,163	(17,163)	-	-	-	-	-	-	-	-	-	-	-	-
148	7654	NWTP Paint Water Storage Tank	6/1/2020	14,850	-	14,850	-	-	-	-	-	-	-	-	-	-	-
149	7672	RWPF Overcoat Diesel Fuel Containment	8/5/2020	8,450	-	8,450	-	-	-	-	-	-	-	-	-	-	8,450
150	7674	NWTP Chemical Containment Area Storage	8/5/2020	18,000	-	18,000	-	-	-	18,000	-	-	-	-	-	-	-
151	7688	RWPF SITE IMPROVEMENTS	9/2/2020	10,668	-	10,668	-	-	-	-	-	-	-	-	-	-	10,668
152	7715	FDOT 951 WIDENING PROJECT	10/1/2020	19,222	-	19,222	-	-	-	9,611	-	-	-	-	-	-	9,611
153	7717	SWTP SECURITY GATE	10/1/2020	3,000	-	3,000	-	-	-	3,000	-	-	-	-	-	-	-

Table 1
City of Marco Island, Florida
Water and Sewer Impact Fee Study
Summary of Existing Utility Assets

Line No.	Asset Number	Description	Acquired Date	Acquisition Amount	Adjustments	Adj. Acq. Amt.	Water System					Sewer System				General Plant	
							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Effl./Recl.	Transmission		Collection & Direct Recl.
154	7723	PAD AT RWPF OPS BUILDING	6/8/2021	2,372	-	2,372	-	-	-	-	-	-	2,372	-	-	-	-
155	7724	SIDEWALK @ MBR STRUCTURE	6/8/2021	2,340	-	2,340	-	-	-	-	-	-	2,340	-	-	-	-
156	7726	MARCO SHORES IMPROVEMENTS	10/1/2020	10,231,489	(1,150,000)	9,081,489	-	-	-	-	-	-	-	-	9,081,489	-	-
157	7751	FDOT SR-951 Utility Relocation	12/8/2020	7,486	-	7,486	-	-	-	3,743	-	-	-	-	3,743	-	-
158	7762	YELLOWBIRD IMPROVEMENTS	9/30/2021	2,249,126	-	2,249,126	-	-	-	2,249,126	-	-	-	-	-	-	-
159	7765	SWF CO2 Tank Canopy	12/14/2020	23,625	-	23,625	-	-	-	-	23,625	-	-	-	-	-	-
160	7770	RWPF CORROSION PROTECTION	10/28/2020	2,990	(2,990)	-	-	-	-	-	-	-	-	-	-	-	-
161	7777	RWPF LS IMPROVEMENT	10/8/2020	2,033	-	2,033	-	-	-	-	-	-	-	-	2,033	-	-
162	7795	CURBING ADDED TO LS-31	11/2/2020	606	-	606	-	-	-	-	-	-	-	-	606	-	-
163	7818	RWPF Fiber Optic Conduit	1/20/2021	7,740	-	7,740	-	-	-	-	-	-	7,740	-	-	-	-
164	7822	CAPRI MPS PROTECTIVE COATING	1/26/2021	2,990	-	2,990	-	-	-	-	-	-	-	-	2,990	-	-
165	7836	ROAD RESTORATION S HEATHWOOD	1/4/2021	34,857	(34,857)	-	-	-	-	-	-	-	-	-	-	-	-
166	7840	SWF steps/landings & sidewalks	1/11/2021	2,995	-	2,995	-	-	-	2,995	-	-	-	-	-	-	-
167	7842	RWPF driveways	2/11/2021	22,700	-	22,700	-	-	-	-	-	-	22,700	-	-	-	-
168	7845	SWTP pavement overlay	2/11/2021	13,200	(13,200)	-	-	-	-	-	-	-	-	-	-	-	-
169	7850	RWPF MBR Bridge Crane Painting	3/12/2021	16,900	-	16,900	-	-	-	-	-	-	-	-	-	-	16,900
170	7877	NWTP CHEMICAL STORAGE CURBING	4/5/2021	11,773	-	11,773	-	-	-	11,773	-	-	-	-	-	-	-
171	7893	SWTP IRRIGATION IMPROVEMENT	5/10/2021	3,567	-	3,567	-	-	-	3,567	-	-	-	-	-	-	-
172	7898	RWPF Air Compressor Bldg sidewalk	5/10/2021	20,675	-	20,675	-	-	-	-	-	-	20,675	-	-	-	-
173	7912	DESIGN CONCRETE SLAB FOR CHEMICAL STORAG	8/27/2021	8,910	-	8,910	-	-	-	8,910	-	-	-	-	-	-	-
174	7913	CONCRETE RAMP @ HEADWORKS	6/8/2021	585	-	585	-	-	-	-	-	-	585	-	-	-	-
175	7931	CONCRETE FOOTER LS-72	6/3/2021	1,650	-	1,650	-	-	-	-	-	-	-	-	1,650	-	-
176	7932	Reuse Distribution Pipes/Pumps Imprvmt	7/30/2021	2,995	-	2,995	-	-	-	-	-	-	2,995	-	-	-	-
177	7939	Remove rust & repaint reclaim	7/30/2021	2,700	(2,700)	-	-	-	-	-	-	-	-	-	-	-	-
178	3326	RPR/RESTORE GRAVITY MAIN 880 N BARFIELD	4/13/2005	44,091	-	44,091	-	-	-	-	-	-	-	-	44,091	-	-
179	4201	TIGER TAIL SEWER DISTRICT	2/15/2007	3,162,318	(3,162,318)	-	-	-	-	-	-	-	-	-	-	-	-
180	4201-1	TIGER TAIL SEWER DISTRICT	3/31/2008	5,061	(5,061)	-	-	-	-	-	-	-	-	-	-	-	-
181	4202	S. BARFIELD SEWER ASSEMENT DISTRICT	2/15/2007	1,274,471	(1,274,471)	-	-	-	-	-	-	-	-	-	-	-	-
182	4202-2	S. BARFIELD SEWER ASSEMENT DISTRICT	6/30/2008	40,523	(40,523)	-	-	-	-	-	-	-	-	-	-	-	-
183	5134	NORTH MARCO SEWER ASSESS DISTRICT	7/31/2008	3,993,990	(3,993,990)	-	-	-	-	-	-	-	-	-	-	-	-
184	5134B	NORTH MARCO SEWER ASSESS DISTRICT	10/1/2008	49,329	(49,329)	-	-	-	-	-	-	-	-	-	-	-	-
185	5135	N. BARFIELD SEWER ASSESS DISTRICT	7/31/2008	7,244,003	(7,244,003)	-	-	-	-	-	-	-	-	-	-	-	-
186	5135B	N. BARFIELD SEWER ASSESS DISTRICT	10/1/2008	70,469	(70,469)	-	-	-	-	-	-	-	-	-	-	-	-
187	5136	W WINTERBERRY SEWER ASSESS DISTRICT	6/30/2008	8,613,839	(8,613,839)	-	-	-	-	-	-	-	-	-	-	-	-
188	5136B	W WINTERBERRY SEWER ASSESS DISTRICT	10/1/2008	91,610	(91,610)	-	-	-	-	-	-	-	-	-	-	-	-
189	5137	OLD MARCO SEWER ASSESS DISTRICT	5/31/2008	928,914	(928,914)	-	-	-	-	-	-	-	-	-	-	-	-
190	5137B	OLD MARCO SEWER ASSESS DISTRICT	10/1/2008	9,396	(9,396)	-	-	-	-	-	-	-	-	-	-	-	-
191	5138	PORT MARCO SEWER ASSESS DISTRICT	5/31/2008	135,413	(135,413)	-	-	-	-	-	-	-	-	-	-	-	-
192	5138B	PORT MARCO SEWER ASSESS DISTRICT	10/1/2008	4,698	(4,698)	-	-	-	-	-	-	-	-	-	-	-	-
193	5307	UTILITY RELOCATION	10/31/2008	21,098	(21,098)	-	-	-	-	-	-	-	-	-	-	-	-
194	5326	METER REPLACEMENT PGRM 2009	7/31/2009	201,633	-	201,633	-	-	-	-	201,633	-	-	-	-	-	-
195	5327	SULFURIC ACID FEED SYSTEM	8/31/2009	215,330	-	215,330	-	-	-	-	-	215,330	-	-	-	-	-
196	5328	LAMPLIGHTER SEWER ASSESS DISTRICT	6/30/2009	4,727,579	(4,727,579)	-	-	-	-	-	-	-	-	-	-	-	-
197	5329	SHEFFIELD SEWER ASSESS DISTRICT	6/30/2009	7,745,435	(7,745,435)	-	-	-	-	-	-	-	-	-	-	-	-
198	5351	VACUUM TRUCK UT 420	4/30/2009	349,867	-	349,867	-	-	-	-	-	-	-	-	-	-	349,867
199	5436	REUSE EXT - COLLIER BLVD	10/31/2009	1,534,680	-	1,534,680	-	-	-	-	-	-	1,534,680	-	-	-	-
200	5437	S PLANT WATER STORAGE	7/31/2010	1,137,540	-	1,137,540	-	-	1,137,540	-	-	-	-	-	-	-	-
201	5460	KENDALL SEWER ASSESSMENT DISTRICT	1/31/2010	6,762,958	(6,762,958)	-	-	-	-	-	-	-	-	-	-	-	-
202	5461	MACKLE PARK SEWER ASSESSMENT DISTRICT	1/31/2010	7,184,598	(7,184,598)	-	-	-	-	-	-	-	-	-	-	-	-
203	10021	EQUIPMENT WATER-MI	11/6/2003	26,576,599	-	26,576,599	-	-	26,576,599	-	-	-	-	-	-	-	-
204	10023	EQUIPMENT WASTEWATER-MI	11/6/2003	9,930,594	-	9,930,594	-	-	-	-	-	9,930,594	-	-	-	-	-
205	10031	TRANS & DISTRIBUTION WATER-MI	11/6/2003	17,873,831	-	17,873,831	-	-	-	17,873,831	-	-	-	-	-	-	-
206	10032	TRANS & DISTRIBUTION WATER-MS	11/6/2003	575,316	-	575,316	-	-	-	575,316	-	-	-	-	-	-	-
207	10033	TRANS & DISTRIBUTION WASTEWATER-MI	11/6/2003	9,346,737	-	9,346,737	-	-	-	-	-	-	-	9,346,737	-	-	-
208	10034	TRANS & DISTRIBUTION WASTEWATER-MS	11/6/2003	70,430	-	70,430	-	-	-	-	-	-	-	70,430	-	-	-
209	1039	FORCE MAINS-CLUB MARCO	10/1/2001	38,344	-	38,344	-	-	-	-	-	-	-	38,344	-	-	-
210	1042	TALLWOOD PROJ SEWER PORTION	12/1/2002	35,984	-	35,984	-	-	-	-	-	-	-	-	35,984	-	-
211	1134	REPLACE 8 LIFT STATIONS	8/1/2002	89,000	-	89,000	-	-	-	-	-	-	-	89,000	-	-	-
212	19002	LIME PRESS	11/6/2003	193,900	-	193,900	-	-	193,900	-	-	-	-	-	-	-	-
213	20006	TRANS & DISTRIBUTION PRIOR TO 2004	10/1/2005	504,360	-	504,360	-	-	-	-	-	-	-	-	-	-	-
214	21007	WINTERBERRY BRIDGE LINE REPLACEMENT	9/30/2006	725,058	-	725,058	-	-	-	-	-	-	-	725,058	-	-	-
215	21007-1	WINTERBERRY BRIDGE LINE REPLACEMENT	9/30/2008	3,208	-	3,208	-	-	-	-	-	-	-	3,208	-	-	-
216	21009	POTABLE WATER LINES	9/30/2006	130,780	-	130,780	-	-	-	130,780	-	-	-	-	-	-	-
217	21013	MARCO SHORES COLLIER COUNTY	9/30/2006	20,283	-	20,283	-	-	-	-	-	-	-	-	-	-	20,283
218	21014	S COLLIER UTILITY EXPANSION-SEWER	9/30/2006	831,907	-	831,907	-	-	-	831,907	-	-	-	-	-	-	-
219	21016	S COLLIER UTILITY EXPANSION-SEWER	9/30/2006	850,438	-	850,438	-	-	-	-	-	-	-	850,438	-	-	-
220	21017	REVERSE OSMOSIS (3 WELLS)	9/30/2006	1,278,859	-	1,278,859	-	-	1,278,859	-	-	-	-	-	-	-	-
221	21018	ASR WELLS 4, 5, 6	9/30/2006	3,554,744	-	3,554,744	-	-	3,554,744	-	-	-	-	-	-	-	-
222	21021	UTILITY RELOCATION	9/30/2006	98,300	-	98,300	-	-	-	-	-	-	-	98,300	-	-	-
223	21022	COLLIER BLVD RELOCATION-DESIGN	9/30/2006	299,562	-	299,562	-	-	-	-	-	-	-	299,562	-	-	-
224	21023	WASTEWATER COLLECTION SYSTEM	9/30/2006	33,038	-	33,038	-	-	-	-	-	-	-	-	33,038	-	-
225	21025	S COLLIER SEWER MAIN UPGRADE	9/30/2006	1,470,051	-	1,470,051	-	-	-	-	-	-	-	1,470,051	-	-	-
226	21026	MWH MASTER PLAN	9/30/2006	606,786	-	606,786	-	-	-	-	-	-	-	-	-	-	606,786
227	6042	SLUDGE PRESS FILTER PLATES	5/17/2012	15,790	-	15,790	-	-	-	-	-	15,790	-	-	-	-	-
228	6050	VALVES SUSTAINING PRESSURE RELIEF	7/26/2012	21,585	-	21,585	-	-	-	-	-	21,585	-	-	-	-	-
229	6079	CONCRETE WORK PORTABLE GENERATOR	9/30/2012	2,745	-	2,745	-	-	-	-	-	-	2,745	-	-	-	-
230	6104	R & R WATER - C & D	9/30/2012	97,750	(97,750)	-	-	-	-	-	-	-	-	-	-	-	-

Table 1
City of Marco Island, Florida
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Summary of Existing Utility Assets

Line No.	Asset Number	Description	Acquired Date	Acquisition Amount	Adjustments	Adj. Acq. Amt.	Water System					Sewer System			General Plant		
							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Efl./Recl.		Transmission	Collection & Direct Recl.
231	6105	R & R SEWER C & D	9/30/2012	105,071	(105,071)	-	-	-	-	-	-	-	-	-	-	-	-
232	6106	R & R WATER UTILITY	9/30/2012	232,442	(232,442)	-	-	-	-	-	-	-	-	-	-	-	-
233	6107	R & R SEWER	9/30/2012	270,909	(270,909)	-	-	-	-	-	-	-	-	-	-	-	-
234	6108	FACILITY SECURITY	9/30/2012	515,836	-	515,836	-	-	257,918	-	-	-	-	-	-	-	-
235	6109	REUSE SITE SECURITY	9/30/2012	134,600	-	134,600	-	-	-	-	-	-	257,918	-	-	-	-
236	6117	REUSE FLOW	9/30/2012	60,873	-	60,873	-	-	-	-	-	-	-	134,600	-	-	-
237	6118	PROJECT EXP	9/30/2012	3,885	-	3,885	-	-	-	-	-	-	-	60,873	-	-	-
238	6119	S BARFIELD	9/30/2012	55	-	55	-	-	-	28	-	-	-	-	-	28	-
239	6120	S BARFIELD EXP	9/30/2012	1,127	-	1,127	-	-	-	564	-	-	-	-	-	564	-
240	6121	KENDALL PROJECT	9/30/2012	12,286	-	12,286	-	-	-	6,143	-	-	-	-	-	6,143	-
241	6122	N MARCO SHORES PROJECT	9/30/2012	4,811	-	4,811	-	-	-	2,406	-	-	-	-	-	2,406	-
242	6123	N BARFIELD PROJECT	9/30/2012	7,229	-	7,229	-	-	-	3,615	-	-	-	-	-	3,615	-
243	6124	W WINTERBERRY PROJECT	9/30/2012	11,297	-	11,297	-	-	-	5,648	-	-	-	-	-	5,648	-
244	6125	OLD MARCO PROJECT	9/30/2012	877	-	877	-	-	-	439	-	-	-	-	-	439	-
245	6126	PORT MARCO	9/30/2012	30	-	30	-	-	-	15	-	-	-	-	-	15	-
246	6128	SHEFFIELD	9/30/2012	12,304	-	12,304	-	-	-	6,152	-	-	-	-	-	6,152	-
247	6129	MACKLE	9/30/2012	14,037	-	14,037	-	-	-	7,019	-	-	-	-	-	7,019	-
248	6130	GULFPORT SEWER	9/30/2012	2,903	-	2,903	-	-	-	-	-	-	-	-	-	2,903	-
249	6131	E WINTERBERRY N SEWER	9/30/2012	1,146	-	1,146	-	-	-	-	-	-	-	-	-	1,146	-
250	6132	E WINTERBERRY S	9/30/2012	1,904	-	1,904	-	-	-	-	-	-	-	-	-	1,904	-
251	6133	LAMPLIGHTER PROJECT	9/30/2012	5,535	-	5,535	-	-	-	-	-	-	-	-	-	-	5,535
252	6134	FINISHED WATER STORAGE	9/30/2012	182	-	182	-	-	-	182	-	-	-	-	-	-	-
253	6135	BUILDING IMPROVEMENT PLAN	9/30/2012	177,761	-	177,761	-	-	-	-	-	-	-	-	-	-	177,761
254	6137	R & R EQUIPMENT	9/30/2012	50,978	(50,978)	-	-	-	-	-	-	-	-	-	-	-	-
255	6138	INOPERATIVE VALVE REPLACEMENT	10/1/2012	627,371	-	627,371	-	-	-	-	-	-	-	-	-	-	-
256	6143	EMERGENCY CAPITAL EQUIPMENT	10/1/2012	170,499	-	170,499	-	-	-	-	-	-	-	-	-	-	-
257	6148	POTABLE WATER LINES	9/30/2012	1,203,699	-	1,203,699	-	-	-	1,203,699	-	-	-	-	-	-	-
258	6151	WW COLLECTION SYSTEM REHAB (C&D)	9/30/2012	289,814	-	289,814	-	-	-	-	-	144,907	-	-	-	-	144,907
259	6152	SWP FINISHED WATER STORAGE TANK	9/30/2012	500,000	-	500,000	-	-	500,000	-	-	-	-	-	-	-	-
260	6153	RWP - PHASE III	9/30/2012	200,000	-	200,000	-	-	-	-	-	-	200,000	-	-	-	-
261	6154	COLLECTION DISTRIBUTION WAREHOUSE	9/30/2012	439,531	-	439,531	-	-	-	-	-	-	-	-	-	-	219,766
262	6160	JOLLEY BRIDGE UTILITY REPLACEMENT	9/30/2012	365,559	(365,559)	-	-	-	-	-	-	-	-	-	-	-	-
263	6213	ESTATES SEWER ASSESSMENT DISTRICT	9/30/2013	9,935,209	-	9,935,209	-	-	-	-	-	-	-	-	-	-	-
264	6214	COPPERFIELD SEWER ASSESSMENT DISTRICT	9/30/2013	2,659,967	-	2,659,967	-	-	-	-	-	-	-	-	-	-	-
265	6215	GOLDENROD SEWER ASSESSMENT DISTRICT	9/30/2013	4,125,508	-	4,125,508	-	-	-	-	-	-	-	-	-	-	-
266	6229	SWP-8 CARD READER	9/30/2013	39,479	-	39,479	-	-	-	39,479	-	-	-	-	-	-	-
267	6231	NWP-23 CARD READER	7/15/2013	41,846	-	41,846	-	-	-	41,846	-	-	-	-	-	-	-
268	6235	2013 FORD F450 UT 428	3/12/2013	37,607	-	37,607	-	-	-	-	-	-	-	-	-	-	37,607
269	6236	LIFT STATION CONTROL	6/17/2013	127,296	-	127,296	-	-	-	-	-	-	-	-	127,296	-	-
270	6239	RAW WATER FENCING	4/8/2013	190,000	-	190,000	-	190,000	-	-	-	-	-	-	-	-	-
271	6246	2013 FORD F150 UT 202	1/2/2013	17,308	-	17,308	-	-	-	-	-	-	-	-	-	-	17,308
272	6247	2013 FORD EXPLORER UT 102	1/7/2013	23,558	-	23,558	-	-	-	-	-	-	-	-	-	-	23,558
273	6248	2013 FORD EXPLORER UT 100	1/7/2013	23,558	-	23,558	-	-	-	-	-	-	-	-	-	-	23,558
274	6249	2012 CHEVY HD3500 UT 300	1/22/2013	37,024	-	37,024	-	-	-	-	-	-	-	-	-	-	37,024
275	6250	JOHN DEERE XUV550 UT 203	5/8/2013	8,013	-	8,013	-	-	-	-	-	-	-	-	-	-	8,013
276	6257	2013 FORD F250 CD 409	2/12/2013	27,122	-	27,122	-	-	-	-	-	-	-	-	-	-	27,122
277	6259	2013 FORD F250 CD 413	2/12/2013	27,122	-	27,122	-	-	-	-	-	-	-	-	-	-	27,122
278	6263	S PLANT INSTRUMENT UPGRADE	10/1/2012	50,201	-	50,201	-	-	-	-	-	-	50,201	-	-	-	-
279	6264	INTEREST CAPITALIZATION - ESTATES	9/30/2013	80,374	-	80,374	-	-	-	-	-	-	-	-	-	-	40,187
280	6317	RE USE SITE SECURITY	8/13/2014	5,489	-	5,489	-	-	-	-	-	-	5,489	-	-	-	-
281	6322	LIFT STATION CONTROL	9/30/2014	10,860	-	10,860	-	-	-	-	-	-	-	-	10,860	-	-
282	6339	DELL SONIC WALL NETWORK SECURITY	11/17/2014	1,871	-	1,871	-	-	-	-	-	-	-	-	-	-	1,871
283	6343	LIFT STATION CONTROL	9/21/2015	20,822	-	20,822	-	-	-	-	-	-	-	-	20,822	-	-
284	6350	RENEW & REPLACE - WATER	6/8/2015	60,923	(60,923)	-	-	-	-	-	-	-	-	-	-	-	-
285	6351	PUMP HIDEAWAY L/S	1/20/2015	3,281	-	3,281	-	-	-	-	-	-	-	-	3,281	-	-
286	6404	FORKLIFT/HEAD ATTACHMENT	10/19/2015	59,806	-	59,806	-	-	-	-	-	-	-	-	-	-	59,806
287	6414	DUAL RAIL GUIDE RAIL BRACKETS TROPIC SCH	2/23/2015	2,351	-	2,351	-	-	-	1,175	-	-	-	-	-	-	1,175
288	6416	PRESSURE TRANSMITTER	12/22/2014	1,079	-	1,079	-	-	-	-	-	-	-	-	-	-	1,079
289	6421	PUMP F/MULBERRY	1/2/2015	3,046	-	3,046	-	-	-	-	-	-	-	-	-	-	3,046
290	6422	PUMP F/WAYNE L/S	1/2/2015	2,296	-	2,296	-	-	-	-	-	-	-	-	2,296	-	-
291	6461	REPLACEMENT SPIRAL SCREENING WASHER	12/26/2014	5,220	-	5,220	-	-	-	-	-	-	-	-	-	-	5,220
292	6464	CHECK VALVES	3/3/2015	4,075	(2,087)	-	-	-	-	-	-	-	-	-	-	-	-
293	6465	PLATE STRAINER	3/3/2015	4,075	-	4,075	-	-	-	2,038	-	-	-	-	-	-	-
294	6479	PUMP F/RO DEEP INJECTION WELL	3/30/2015	12,581	-	12,581	-	-	-	-	-	-	2,038	-	-	-	-
295	6493	FLANGE PLUG VALVES	3/30/2015	10,103	-	10,103	-	-	-	-	-	-	12,581	-	-	-	-
296	6497	PRESSURE VALVE FOR INJECTION	3/16/2015	14,030	-	14,030	-	-	-	-	-	-	-	-	-	-	5,052
297	6498	MOTOR STARTER SWP	8/7/2015	19,550	(19,550)	-	-	-	-	-	-	-	14,030	-	-	-	-
298	6500	SITE SECURITY - GATE B	2/2/2015	3,670	-	3,670	-	-	-	-	-	-	-	-	-	-	-
299	6501	LS-1 ABS 50 PUMP RPR	2/23/2015	7,994	-	7,994	-	-	-	-	-	-	1,835	-	-	-	-
300	6504	AIR COMPRESSORS (3) AND ACCESSORIES	2/23/2015	4,866	-	4,866	-	-	-	2,433	-	-	-	-	7,994	-	-
301	6516	PUMP F/HEADWORKS L/S	2/23/2015	7,858	-	7,858	-	-	-	-	-	-	-	-	7,858	-	-
302	6524	MAG FLOW METER CONVERTER	7/6/2015	2,470	-	2,470	-	-	-	-	-	-	-	-	-	-	2,470
303	6525	AIR DIAPHRAGM PUMP	3/19/2015	3,079	-	3,079	-	-	-	1,540	-	-	-	1,540	-	-	-
304	6526	ABS 50HP PUMP #2	3/19/2015	7,994	-	7,994	-	-	-	-	-	-	-	-	7,994	-	-
305	6529	SWP RO TRAIN #1 HSP	3/3/2015	10,409	-	10,409	-	-	-	-	-	-	-	-	-	-	-
306	6530	FIRE HYDRANTS	9/29/2015	15,229	-	15,229	-	-	-	-	-	-	-	-	-	-	-
307	6535	LS-11 28 HP PUMP.	3/3/2015	5,562	-	5,562	-	-	-	-	-	-	-	-	-	-	-

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							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Efl./Recl.	Transmission		Collection & Direct Recl.
308	6536	RO WELL PUMP MOTOR	3/10/2015	11,186	-	11,186	-	5,593	-	-	-	-	5,593	-	-	-	-
309	6546	MAG FLOW METER	3/30/2015	5,139	-	5,139	-	2,570	-	-	-	-	2,570	-	-	-	-
310	6547	CONTROL PANEL AC UTIL MAINT (2)	3/9/2015	9,694	-	9,694	-	4,847	-	-	-	-	4,847	-	-	-	-
311	6548	14 HP PUMP FOR LS-28 GOODLAND	3/10/2015	7,948	-	7,948	-	-	-	-	-	-	-	-	7,948	-	-
312	6550	COMPRESSOR PUMPS	4/12/2015	7,232	-	7,232	-	3,616	-	-	-	-	3,616	-	-	-	-
313	6552	PUMP DISCHARGE LS-1	3/16/2015	2,489	-	2,489	-	-	-	-	-	-	-	-	2,489	-	-
314	6554	SODIUM HYPOCHLORITE METERING PUMP	5/11/2015	3,525	-	3,525	-	-	-	-	-	-	3,525	-	-	-	-
315	6555	RACK C/D WAREHOUSE	6/18/2015	3,655	-	3,655	-	-	-	-	1,827	-	-	-	-	1,827	-
316	6559	24.8 HP PUMP FOR LS-HIDEAWAY	4/12/2015	4,790	-	4,790	-	-	-	-	-	-	-	-	4,790	-	-
317	6560	24.8 HP PUMP F/HIDEAWAY	4/12/2015	12,690	-	12,690	-	-	-	-	-	-	-	-	12,690	-	-
318	6562	EQUIPMENT UTILITY TRAILER	4/30/2015	6,330	-	6,330	-	-	-	-	-	-	-	-	-	-	6,330
319	6563	ABS 50 HP PUMP FOR LS-1	4/12/2015	2,468	-	2,468	-	-	-	-	-	-	-	-	2,468	-	-
320	6591	2015 CHEVY SILVERADO	9/28/2015	20,380	-	20,380	-	-	-	-	-	-	-	-	-	-	20,380
321	6607	GRACO PUMP	6/8/2015	3,018	-	3,018	-	-	-	-	-	-	-	-	-	-	3,018
322	6608	PUMP F/RAW WATER ASR WELL #2	6/25/2015	24,409	-	24,409	-	-	-	-	-	-	24,409	-	-	-	-
323	6619	LS-46 HAMMOCK BAY EAST PUMPS (2)	6/15/2015	14,843	-	14,843	-	-	-	-	-	-	-	-	14,843	-	-
324	6620	EMERGENCY REPAIR OF LS-16 PUMP	6/25/2015	12,041	-	12,041	-	-	-	-	-	-	-	-	12,041	-	-
325	6637	12 HP PUMP FOR INPLANT LS	7/20/2015	7,997	-	7,997	-	-	-	-	-	-	-	-	7,997	-	-
326	6641	AQUA TAP PRO-T TIGER KIT	8/7/2015	2,875	-	2,875	-	-	-	-	-	-	-	-	-	-	2,875
327	6642	ELECTRIC OPERATOR	7/6/2015	6,261	-	6,261	-	-	-	-	-	-	-	-	-	-	6,261
328	6647	TRANSFER PUMP #1.	7/20/2015	14,092	-	14,092	-	-	-	-	-	-	-	-	14,092	-	-
329	6648	METER READING EQUIPMENT	7/13/2015	7,074	-	7,074	-	-	-	3,537	-	-	-	-	-	3,537	-
330	6649	NEW MOTOR CONTROL SECTION UTIL	9/28/2015	10,945	-	10,945	-	5,473	-	-	-	-	5,473	-	-	-	-
331	6657	GRACO 3300 DIAPHRAGM PUMP.	9/8/2015	6,563	-	6,563	-	-	-	-	3,282	-	-	-	-	3,282	-
332	6659	DOZER BLADE, 84" FOR CASE TR320	8/24/2015	5,147	-	5,147	-	-	-	-	-	-	-	-	-	-	5,147
333	6660	ASR WELL PRESSURE TRANSMITTER (6)	8/24/2015	6,989	-	6,989	-	-	-	-	-	-	6,989	-	-	-	-
334	6662	WACKER REV VIB PLATE COMPACTOR 3050A	8/31/2015	5,207	-	5,207	-	-	-	-	-	-	-	-	-	-	5,207
335	6664	REPLACEMENT SIGNAL GENERATOR	8/17/2015	1,221	-	1,221	-	-	-	-	610	-	-	-	-	610	-
336	6666	SONICWALL EQUIPMENT FOR RAW WATER	8/24/2015	3,221	-	3,221	-	3,221	-	-	-	-	-	-	-	-	-
337	6668	REPLACEMENT CHECK VALVE	11/30/2015	10,937	-	10,937	-	-	5,469	-	-	-	5,469	-	-	-	-
338	6669	REPLACEMENT SIGNAL CONVERTERS (3)	11/16/2015	7,434	-	7,434	-	-	-	-	3,717	-	-	-	-	3,717	-
339	6683	TRAIN #5 TURBO CHARGER SOUTH R/O PLANT	9/28/2015	12,800	-	12,800	-	-	12,800	-	-	-	-	-	-	-	-
340	6686	CIRCUIT BREAKERS UTIL	9/8/2015	3,040	-	3,040	-	-	1,520	-	-	-	1,520	-	-	-	-
341	6687	REBUILD ABS 10 HP PUMP	8/31/2015	2,684	-	2,684	-	-	-	-	-	-	-	-	2,684	-	-
342	6689	ELECTRIC MOTOR FOR RW	8/31/2015	1,074	-	1,074	-	-	-	-	-	-	1,074	-	-	-	-
343	6692	SWP ABS 40 HP CONCENTRA	8/31/2015	4,605	-	4,605	-	-	4,605	-	-	-	-	-	-	-	-
344	6696	REBUILD EFFLUENT PUMP #1 AT RW	9/8/2015	8,195	-	8,195	-	-	-	-	-	-	8,195	-	-	-	-
345	6699	Copelametic Condensing Unit	11/16/2015	4,713	-	4,713	-	-	4,713	-	-	-	-	-	-	-	-
346	6704	CHLORINE ANALYZER	9/28/2015	9,364	(9,364)	-	-	-	-	-	-	-	-	-	-	-	-
347	6707	REPAIR OF LIFT STATION PUMP	10/19/2015	2,697	-	2,697	-	-	-	-	-	-	-	-	2,697	-	-
348	6712	METER W/TRANSMITTER/CABLE ASSY	11/9/2015	5,486	-	5,486	-	-	-	-	-	5,486	-	-	-	-	-
349	6714	REPAIR 10HP LIFT STATION PUMP	11/9/2015	1,672	(1,672)	-	-	-	-	-	-	-	-	-	-	-	-
350	6715	REPLACE 3.7 HP SUBMERSIBLE PUMP	11/9/2015	2,225	-	2,225	-	-	-	-	-	-	-	-	-	2,225	-
351	6716	REPLACE 60 HP BLOWER MOTOR FOR TRAIN #3	11/9/2015	2,973	-	2,973	-	-	2,973	-	-	-	-	-	-	-	-
352	6717	REPLACEMENT OF 10 HP LIFT STAT	11/9/2015	7,422	-	7,422	-	-	-	-	-	-	-	-	-	7,422	-
353	6718	LS 44 RPLC DISCHARGE PIPING	2/16/2016	89,346	-	89,346	-	-	-	-	-	-	-	-	89,346	-	-
354	6720	ELECTRONIC EQUIPMENT, COMPONENT	12/7/2015	5,000	-	5,000	-	-	2,500	-	-	-	2,500	-	-	-	-
355	6721	REPLACEMENT MOTOR FOR RWPF BLOWER	11/16/2015	10,575	(10,575)	-	-	-	-	-	-	-	-	-	-	-	-
356	6723	REPLACEMENT SEALS FOR RWPF DEE	12/7/2015	2,653	(2,653)	-	-	-	-	-	-	-	-	-	-	-	-
357	6724	REPLACEMENT GEARMOTORS FOR NWP	1/4/2016	3,608	(3,608)	-	-	-	-	-	-	-	-	-	-	-	-
358	6725	-MAGNETIC FLOW METER NWP	12/14/2015	4,041	-	4,041	-	-	4,041	-	-	-	-	-	-	-	-
359	6726	Sample Stations	12/14/2015	13,087	-	13,087	-	-	6,543	-	-	-	6,543	-	-	-	-
360	6727	BINARY METER REPLACEMENT	6/6/2016	47,956	-	47,956	-	-	-	-	-	47,956	-	-	-	-	-
361	6731	REPLACEMENT AIR OPERATED DIAPH	12/28/2015	4,459	(4,459)	-	-	-	-	-	-	-	-	-	-	-	-
362	6735	REPLACEMENT LIFT STATION CONTROL PANELS	7/18/2016	21,791	(21,791)	-	-	-	-	-	-	-	-	-	-	-	-
363	6739	RAW WATER PUMP & MOTOR #4	2/24/2015	19,941	(19,941)	-	-	-	-	-	-	-	-	-	-	-	-
364	6741	MARCO LAKES ROSS VALVES	2/16/2016	32,650	-	32,650	-	-	32,650	-	-	-	-	-	-	-	-
365	6743	UTIL-VT SCADA CONVERSION	11/19/2016	226,396	-	226,396	-	-	37,733	37,733	37,733	-	37,733	-	37,733	37,733	-
366	6747	REPLACEMENT MECHANICAL SEAL	2/2/2016	1,493	(1,493)	-	-	-	-	-	-	-	-	-	-	-	-
367	6748	MLE TANK #2 INSTRUMENT REPLACEMENT	2/16/2016	11,693	(11,693)	-	-	-	-	-	-	-	-	-	-	-	-
368	6749	REPLACEMENT 10 HP PUMPS FOR LS43	2/2/2016	14,843	(14,843)	-	-	-	-	-	-	-	-	-	-	-	-
369	6750	VOLTAGE REGULATION SYSTEM UPGRADE	3/7/2016	3,161	-	3,161	-	-	1,581	-	-	-	1,581	-	-	-	-
370	6751	2016 CHEVY SILVERADO UT 607	4/12/2016	30,886	-	30,886	-	-	-	-	-	-	-	-	-	-	30,886
371	6752	2016 CHEVY SILVERADO UT 319	4/12/2016	31,250	-	31,250	-	-	-	-	-	-	-	-	-	-	31,250
372	6753	2016 CHEVY SILVERADO CD 429	4/12/2016	23,198	-	23,198	-	-	-	-	-	-	-	-	-	-	23,198
373	6755	BRUSH GUARD AND WINCH FOR TRUCK 602	1/22/2016	2,350	-	2,350	-	-	-	-	-	-	-	-	-	-	2,350
374	6756	ADDITIONAL CONCRETE SLABS FOR ZENNON	2/2/2016	3,450	-	3,450	-	-	1,725	-	-	-	1,725	-	-	-	-
375	6757	REPLACEMENT PUMPS FOR LS-5.	11/1/2016	14,843	(14,843)	-	-	-	-	-	-	-	-	-	-	-	-
376	6760	REPLACEMENT ABS PUMP FOR LS-30	11/1/2016	12,543	(12,543)	-	-	-	-	-	-	-	-	-	-	-	-
377	6761	REPAIR OF 10 HP PUMP F/LIFT STATION FTN	11/9/2016	3,262	(3,262)	-	-	-	-	-	-	-	-	-	-	-	-
378	6762	REPLACEMENT UPS FOR NWP HSP PL	11/9/2016	2,380	(2,380)	-	-	-	-	-	-	-	-	-	-	-	-
379	6764	VALVE EXERCISING EQUIPMENT	2/5/2016	13,990	-	13,990	-	-	6,995	-	-	-	6,995	-	-	-	-
380	6765	COMPUTER SYSTEM UPGRADE WATER	1/28/2016	24,641	-	24,641	-	-	-	-	-	-	-	-	-	-	24,641
381	6767	ADMIN TRAILER A/C REPLACEMENT	3/15/2016	4,937	-	4,937	-	-	-	-	-	-	-	-	-	-	4,937
382	6768	REPLACEMENT RO WELL PUMP MOTOR #13	2/16/2016	12,272	-	12,272	-	12,272	-	-	-	-	-	-	-	-	-
383	6770	STIHL TS 700 CUTQUICK SAW 98.5	2/22/2016	2,520	-	2,520	-	-	-	-	-	-	-	-	-	-	2,520
384	6771	SINGLE PROBE CONVERSION KIT	2/16/2016	2,150	-	2,150	-	-	-	-	-	-	-	-	-	-	2,150

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Line No.	Asset Number	Description	Acquired Date	Acquisition Amount	Adjustments	Adj. Acq. Amt.	Water System					Sewer System				General Plant	
							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Effl./Recl.	Transmission		Collection & Direct Recl.
385	6772	1,000 GAL AMMONIA STORAGE TANK	3/30/2016	46,120	-	46,120	-	23,060	-	-	-	-	23,060	-	-	-	-
386	6774	PNEUMATIC UNDERGROUND PIERCING TOOL	2/22/2016	4,945	-	4,945	-	-	-	-	-	-	-	-	-	-	4,945
387	6775	HEAVY EQUIPMENT TRAILER	3/30/2016	11,150	-	11,150	-	-	-	-	-	-	-	-	-	-	11,150
388	6776	REPAIR OF 14 HP PUMP FOR LS-35	2/26/2016	1,951	(1,951)	-	-	-	-	-	-	-	-	-	-	-	-
389	6777	REPAIR PUMP FOR LS-14	2/16/2016	1,591	(1,591)	-	-	-	-	-	-	-	-	-	-	-	-
390	6778	REPAIR 17.4 HP ABS PUMP	3/7/2016	3,996	(3,996)	-	-	-	-	-	-	-	-	-	-	-	-
391	6779	REPAIR ABS 2.1 HP MIXER FOR HILTON LS	2/22/2016	2,108	-	2,108	-	-	-	-	-	-	-	-	-	2,108	-
392	6781	REPAIR OF 40 HP ABS PUMP FOR SWP	2/22/2016	3,491	-	3,491	-	-	-	-	-	-	-	-	-	-	-
393	6782	BRAY 10" VALVES & ACTUATORS FOR ASR	2/26/2016	10,242	-	10,242	-	-	-	-	-	-	-	-	-	-	-
394	6784	LIFT STATION PUMP PARTS FOR LS #24	2/22/2016	4,623	(4,623)	-	-	-	-	-	-	-	-	-	-	-	-
395	6785	EMERGENCY REPAIR OF 60 HP PUMP SWP	2/22/2016	3,072	(3,072)	-	-	-	-	-	-	-	-	-	-	-	-
396	6788	SC200 TURBIDIMETER CONTROLLER	3/28/2016	1,908	-	1,908	-	-	-	-	-	-	-	-	-	-	1,908
397	6789	BELT AND DISC SANDER FOR MAINTANENCE	3/30/2016	1,063	-	1,063	-	-	-	-	-	-	-	-	-	-	1,063
398	6790	LASER ALIGNMENT SYSTEM KIT UTIL MAINT	4/12/2016	3,313	-	3,313	-	-	-	-	-	-	-	-	-	-	3,313
399	6791	4 INCH TRASH PUMP	4/12/2016	3,115	-	3,115	-	-	-	-	-	-	-	-	-	-	3,115
400	6792	AERATOR BLOWER UNIT VSWP ODOR CONTROL	4/21/2016	13,168	-	13,168	-	-	-	-	-	-	13,168	-	-	-	-
401	6793	BORGER ROTARY LOBE PUMP	4/25/2016	23,429	-	23,429	-	-	-	-	-	-	-	-	-	23,429	-
402	6794	REPAIR OF LS-16 PUMP	4/25/2016	4,952	(4,952)	-	-	-	-	-	-	-	-	-	-	-	-
403	6795	REPAIR OF LS-16 PUMP #2	4/25/2016	4,805	(4,805)	-	-	-	-	-	-	-	-	-	-	-	-
404	6796	EMERGENCY REPAIR OF SWP "A" HS	4/25/2016	6,513	(6,513)	-	-	-	-	-	-	-	-	-	-	-	-
405	6801	RWPF MBR MEMBRANE REPLACEMENT	9/26/2016	268,400	(268,400)	-	-	-	-	-	-	-	-	-	-	-	-
406	6804	HYDRAULIC EXCAVATOR - ENCLOSED	5/11/2016	57,405	-	57,405	-	-	-	-	-	-	-	-	-	-	57,405
407	6805	REPAIR OF SWP HSP PUMP A	5/11/2016	36,735	(36,735)	-	-	-	-	-	-	-	-	-	-	-	-
408	6806	HYDRAULIC EXCAVATOR - ENCLOSED	5/11/2016	8,745	-	8,745	-	-	-	-	-	-	-	-	-	-	8,745
409	6807	HVAC AAO REPLACEMENT FOR RWPF	6/6/2016	17,360	(17,360)	-	-	-	-	-	-	-	-	-	-	-	-
410	6814	REPLACEMENT PUMP FOR LS-16	5/11/2016	12,862	(12,862)	-	-	-	-	-	-	-	-	-	-	-	-
411	6815	SUBMERSIBLE PUMP BOWL ASSEMBLY	5/11/2016	10,346	-	10,346	-	-	-	-	-	-	-	-	-	10,346	-
412	6821	EMERGENCY REPAIR OF PIPING L/S #24	7/5/2016	10,357	(10,357)	-	-	-	-	-	-	-	-	-	-	-	-
413	6825	14 HP ABS PUMP FOR LS-16	5/2/2016	2,862	(2,862)	-	-	-	-	-	-	-	-	-	-	-	-
414	6826	N MARCO SEWER FLOW METER	5/11/2016	3,110	-	3,110	-	-	-	-	-	3,110	-	-	-	-	-
415	6829	INGERSOLL BLOWER FOR THE RWP	5/11/2016	15,457	-	15,457	-	-	-	-	-	-	15,457	-	-	-	-
416	6832	AERZEN BLOWER FOR THE RWP	5/11/2016	17,696	-	17,696	-	-	-	-	-	-	17,696	-	-	-	-
417	6834	MARATHON 460V TEFC MOTOR	5/11/2016	3,846	-	3,846	-	-	-	-	-	-	1,923	-	-	-	-
418	6836	INGERSOLL BLOWER FOR THE RWPF	6/20/2016	15,457	-	15,457	-	-	-	-	-	-	15,457	-	-	-	-
419	6837	SUBMERSIBLE WELL PUMP FOR RO	9/26/2016	14,475	-	14,475	14,475	-	-	-	-	-	-	-	-	-	-
420	6838	SUBMERSIBLE WELL MOTOR	5/23/2016	5,593	-	5,593	5,593	-	-	-	-	-	-	-	-	-	-
421	6839	NEW CAUSTIC TANK FOR THE SWP	6/20/2016	7,529	-	7,529	-	-	-	-	-	-	-	-	-	-	-
422	6840	VOGELSANG PUMP FOR RWPF	5/23/2016	8,978	-	8,978	-	-	-	-	-	-	8,978	-	-	-	-
423	6841	3/4 HP SECTIONAL DRAIN CLEANING MACHINE	5/31/2016	2,938	-	2,938	-	-	-	-	-	-	-	-	-	-	2,938
424	6842	20" BLIND FLANGES	5/23/2016	4,958	-	4,958	-	-	-	-	-	-	-	-	-	2,479	-
425	6843	YASKAWA 350HP IQ1000 VFD FOR SWP	6/13/2016	12,715	-	12,715	-	-	-	-	-	-	-	-	-	-	-
426	6844	INPLANT LS-1 PUMP BASE	5/31/2016	12,160	(12,160)	-	-	-	-	-	-	-	-	-	-	-	-
427	6846	MOTOR FOR ASR WELL #3	6/27/2016	3,499	(3,499)	-	-	-	-	-	-	-	-	-	-	-	-
428	6847	TRAILER IMPROVEMENTS	7/5/2016	13,108	-	13,108	-	-	-	-	-	-	-	-	-	-	13,108
429	6849	ABS PUMPS FOR LS-39	7/18/2016	15,896	(15,896)	-	-	-	-	-	-	-	-	-	-	-	-
430	6851	REPAIR OF ABS 14 HP PUMP FOR LS#17	7/11/2016	3,597	(3,597)	-	-	-	-	-	-	-	-	-	-	-	-
431	6852	REPLACEMENT MIXER FOR MASTER L/S	7/11/2016	4,185	(4,185)	-	-	-	-	-	-	-	-	-	-	-	-
432	6853	REBUILD ABS PUMP FOR SWP BRINE	7/11/2016	5,567	(5,567)	-	-	-	-	-	-	-	-	-	-	-	-
433	6854	REPAIR OF MOTOR FOR ASR WELL	7/11/2016	2,399	(2,399)	-	-	-	-	-	-	-	-	-	-	-	-
434	6858	SURFACE BOOK 17 (2)	7/18/2016	5,178	-	5,178	-	-	-	-	-	-	-	-	-	-	5,178
435	6859	HVAC FOR UTILITY TRAILER	7/25/2016	4,989	-	4,989	-	-	-	-	-	-	-	-	-	-	4,989
436	6860	REPAIR MOTOR FOR ASR WELL #9	7/25/2016	1,382	(1,382)	-	-	-	-	-	-	-	-	-	-	-	-
437	6861	SWTP Membranes Replacement	8/15/2016	136,440	(136,440)	-	-	-	-	-	-	-	-	-	-	-	-
438	6865	HIBON BLOWER FOR MIWW	9/26/2016	7,355	(7,355)	-	-	-	-	-	-	-	-	-	-	-	-
439	6866	ABS 14HP LIFT STATION PUMP	9/26/2016	2,930	(2,930)	-	-	-	-	-	-	-	-	-	-	-	-
440	6867	ABS 40 HP BRINE WELL PUMP	8/9/2016	4,046	(4,046)	-	-	-	-	-	-	-	-	-	-	-	-
441	6868	ABS PUMPS FOR LS-2	9/6/2016	10,307	(10,307)	-	-	-	-	-	-	-	-	-	-	-	-
442	6870	NEW AIR COMPRESSOR FOR THE NWP	9/19/2016	18,854	(18,854)	-	-	-	-	-	-	-	-	-	-	-	-
443	6872	REPAIR OF ROBUSCHI RBS BLOWER	9/26/2016	4,872	(4,872)	-	-	-	-	-	-	-	-	-	-	-	-
444	6873	SUBMERSIBLE MOTORS	9/14/2016	11,104	-	11,104	-	-	-	-	-	-	5,552	-	-	5,552	-
445	6874	10 HP PUMP FOR MULBERRY LS	8/26/2016	7,863	(7,863)	-	-	-	-	-	-	-	-	-	-	-	-
446	6875	ABS 14HP PUMP REPAIR	9/14/2016	2,712	(2,712)	-	-	-	-	-	-	-	-	-	-	-	-
447	6879	SWP ICE MACHINE	9/26/2016	3,040	(3,040)	-	-	-	-	-	-	-	-	-	-	-	-
448	6881	R.O. BRINE WELL TRANSFER PUMP	10/1/2015	21,400	(21,400)	-	-	-	-	-	-	-	-	-	-	-	-
449	6882	LIME SOFTENING BY BASE MODIFIER	10/1/2015	5,088	-	5,088	-	-	-	-	-	-	-	-	-	-	-
450	6883	RENEW & REPLACE SEWER PROJECTS	10/1/2015	2,240	(2,240)	-	-	-	-	-	-	-	-	-	-	-	-
451	6884	HMI FOR VT SCADA CONVERSION	10/1/2015	44,962	-	44,962	-	-	-	-	-	-	7,494	-	7,494	7,494	-
452	6885	RE-USE SITE SECURITY	10/1/2015	10,343	-	10,343	-	-	-	-	-	-	-	10,343	-	-	-
453	6888	TRANSFER PUMPS	10/1/2015	66,368	(66,368)	-	-	-	-	-	-	-	-	-	-	-	-
454	6889	SURFACE WATER UV CONT	10/1/2015	1,434,682	-	1,434,682	-	-	-	-	-	-	-	-	-	-	-
455	6892	METER REPLACEMENT	10/1/2015	73,027	-	73,027	-	-	-	-	-	-	73,027	-	-	-	-
456	6911	Admin Dell monitor	4/30/2017	1,395	-	1,395	-	-	-	-	-	-	-	-	-	-	1,395
457	6913	Sampling Stations-5	3/30/2017	2,725	-	2,725	-	-	-	-	-	-	-	-	-	-	-
458	6919	WATER LEVEL LOGGER FOR RAW WATER LEVELS	8/31/2017	1,007	-	1,007	-	-	-	-	-	-	-	-	-	-	1,007
459	6924	MLE TANK REPAIRS	12/19/2016	344,955	(344,955)	-	-	-	-	-	-	-	-	-	-	-	-
460	6928	VACUUM STYLER TANKER TRAILER	2/21/2017	80,000	-	80,000	-	-	-	-	-	-	-	-	-	-	80,000
461	6932	PIPE THREADING MACHINE	2/10/2017	2,151	-	2,151	-	-	-	-	-	-	-	-	-	-	2,151

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							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Effl./Recl.		Transmission	Collection & Direct Recl.
462	6933	24" GATE VALVE SWP	6/30/2017	16,372	(16,372)	-	-	-	-	-	-	-	-	-	-	-	-
463	6934	HEADWORKS BYPASS PIPING	9/29/2017	3,687	(3,687)	-	-	-	-	-	-	-	-	-	-	-	-
464	6936	BLOWER FOR RWPF.	12/9/2016	15,457	(15,457)	-	-	-	-	-	-	-	-	-	-	-	-
465	6939	VALVE VAULT REPLACEMENT L/S 3	1/9/2017	42,977	-	42,977	-	-	-	-	-	-	-	-	42,977	-	-
466	6940	REBUILD AND REPAIR ABS 47 HP	1/3/2017	8,806	(8,806)	-	-	-	-	-	-	-	-	-	-	-	-
467	6942	REPAIR OF 14 HP PUMP FOR ABS LIFT STATIO	12/6/2016	2,788	(2,788)	-	-	-	-	-	-	-	-	-	-	-	-
468	6943	CONTACTORS & STARTERS	12/6/2016	6,197	-	6,197	-	-	3,098	-	-	-	3,098	-	-	-	-
469	6945	2017 CHEVY SILVERADO CD 418	2/24/2017	30,425	-	30,425	-	-	-	-	-	-	-	-	-	-	30,425
470	6946	2017 CHEVY SILVERADO CD 419	3/27/2017	30,425	-	30,425	-	-	-	-	-	-	-	-	-	-	30,425
471	6947	2017 CHEVY SILVERADO UT 608	2/6/2017	19,972	-	19,972	-	-	-	-	-	-	-	-	-	-	19,972
472	6948	2017 CHEVY SILVERADO #503	2/6/2017	19,972	-	19,972	-	-	-	-	-	-	-	-	-	-	19,972
473	6949	2017 CHEVY SILVERADO #703	2/21/2017	19,602	-	19,602	-	-	-	-	-	-	-	-	-	-	19,602
474	6950	2017 CHEVY SILVERADO #702	2/21/2017	19,602	-	19,602	-	-	-	-	-	-	-	-	-	-	19,602
475	6954	ICE MACHINE	1/9/2017	2,150	(2,150)	-	-	-	-	-	-	-	-	-	-	-	-
476	6955	REPAIR OF 14 HP ABS PUMP	12/9/2016	2,870	(2,870)	-	-	-	-	-	-	-	-	-	-	-	-
477	6956	REPLACE MECHANICAL SEALS PUMPS 1-6	1/20/2017	4,336	(4,336)	-	-	-	-	-	-	-	-	-	-	-	-
478	6957	REPLACEMENT SUBMERSIBLE LS PUMP	12/19/2016	13,792	(13,792)	-	-	-	-	-	-	-	-	-	-	-	-
479	6958	REPAIR #1 EFFLUENT PUMP	1/3/2017	7,124	(7,124)	-	-	-	-	-	-	-	-	-	-	-	-
480	6960	REPLACEMENT ROTARY LOBE PUMP F	1/17/2017	24,874	(24,874)	-	-	-	-	-	-	-	-	-	-	-	-
481	6961	EMERGENCY REPLACEMENT PUMP	12/9/2016	3,231	(3,231)	-	-	-	-	-	-	-	-	-	-	-	-
482	6963	RO AND ASR WELL	4/24/2017	22,852	-	22,852	-	-	22,852	-	-	-	-	-	-	-	-
483	6964	METER REPLACEMENT PROGRAM FY17	4/3/2017	51,425	-	51,425	-	-	-	-	-	51,425	-	-	-	-	-
484	6965	LS 32/LANDMARK VALVE VAULT AND DISCHARGE	3/10/2017	31,901	-	31,901	-	-	-	-	-	-	-	31,901	-	-	-
485	6966	REPLACEMENT LIFT STATION CONTROL PANELS	3/10/2017	23,858	(23,858)	-	-	-	-	-	-	-	-	-	-	-	-
486	6967	REPLACEMENT TRANSFER PUMP	3/8/2017	4,375	(4,375)	-	-	-	-	-	-	-	-	-	-	-	-
487	6969	SCRUBBER PUMPS FOR SWTP	5/8/2017	29,993	(29,993)	-	-	-	-	-	-	-	-	-	-	-	-
488	6974	ASR Filter Tank Rehabilitation	4/24/2017	142,871	(142,871)	-	-	-	-	-	-	-	-	-	-	-	-
489	6975	REPLACEMENT SUBMERSIBLE PUMPS	2/21/2017	16,229	(16,229)	-	-	-	-	-	-	-	-	-	-	-	-
490	6976	REPAIR ABS 10HP PUMP FOR LS-37	2/6/2017	2,900	(2,900)	-	-	-	-	-	-	-	-	-	-	-	-
491	6977	REPAIR OF ABS 10 HP PUMP FOR WINDMILL L/	2/6/2017	1,134	(1,134)	-	-	-	-	-	-	-	-	-	-	-	-
492	6979	REHABILITATION OF ASR WELL #1	6/12/2017	34,451	(34,451)	-	-	-	-	-	-	-	-	-	-	-	-
493	6983	ASR SYSTEM 20" SYSTEM GATE VALVE	2/10/2017	10,956	-	10,956	-	-	10,956	-	-	-	-	-	-	-	-
494	6984	REPAIR ABS 14 HP LIFT STATION	2/21/2017	1,956	(1,956)	-	-	-	-	-	-	-	-	-	-	-	-
495	6988	REPAIR OF ABS PUMP FOR LS-61	3/27/2017	2,430	(2,430)	-	-	-	-	-	-	-	-	-	-	-	-
496	6989	REPAIR OF ABS 33.5 HP LS PUMP	3/27/2017	3,698	(3,698)	-	-	-	-	-	-	-	-	-	-	-	-
497	6990	REPAIR OF ABS 10 HP L/S YELLOWBIRD ST	3/27/2017	3,193	(3,193)	-	-	-	-	-	-	-	-	-	-	-	-
498	6991	SUBMERSIBLE PUMP LIME REACTOR L/S	3/10/2017	6,450	-	6,450	-	-	-	-	-	-	-	6,450	-	-	-
499	6995	BLOWER FOR RWPF MB	3/10/2017	18,250	-	18,250	-	-	-	-	-	18,250	-	-	-	-	-
500	6997	ROTARY LOBE PUMP	5/12/2017	23,220	-	23,220	-	-	-	-	-	-	-	-	-	-	23,220
501	6999	REPAIR EFFLUENT PUMP	3/10/2017	6,298	(6,298)	-	-	-	-	-	-	-	-	-	-	-	-
502	7001	REPLACEMENT PUMPS FOR LS-59	5/1/2017	13,292	(13,292)	-	-	-	-	-	-	-	-	-	-	-	-
503	7002	MBR MEMBRANE REPLACEMENT AT RW	5/12/2017	304,626	(304,626)	-	-	-	-	-	-	-	-	-	-	-	-
504	7005	ASR & RO WELLS PUMPS AND MOTORS	6/26/2017	22,381	-	22,381	22,381	-	-	-	-	-	-	-	-	-	-
505	7007	EMERGENCY REPAIR OF LS #1	4/10/2017	34,153	(34,153)	-	-	-	-	-	-	-	-	-	-	-	-
506	7010	PUMP HEADWORKS LS	4/24/2017	8,280	-	8,280	-	-	-	-	-	-	8,280	-	-	-	-
507	7016	REPAIR OF ABS PUMP FOR LS-1	8/28/2017	8,731	(8,731)	-	-	-	-	-	-	-	-	-	-	-	-
508	7018	CUST SERV RECEIPT PRINTERS	6/2/2017	3,200	-	3,200	-	-	-	-	-	-	-	-	-	-	3,200
509	7022	CLX Chlorine Analyzer	6/30/2017	3,262	(3,262)	-	-	-	-	-	-	-	-	-	-	-	-
510	7024	REHAB OF LS-14 WETWELL, VALVE	7/28/2017	40,799	(40,799)	-	-	-	-	-	-	-	-	-	-	-	-
511	7025	REPAIR ABS 47 HP PUMP FOR LS-1	8/28/2017	8,827	(8,827)	-	-	-	-	-	-	-	-	-	-	-	-
512	7028	REPLACEMENT CHECK VALVE	9/29/2017	8,224	(8,224)	-	-	-	-	-	-	-	-	-	-	-	-
513	7029	Micro TOLS Turbidimeter	8/14/2017	3,604	-	3,604	-	-	-	-	-	-	-	-	-	-	3,604
514	7030	REPLACEMENT OF ABS 10HP PUMP	7/28/2017	7,863	(7,863)	-	-	-	-	-	-	-	-	-	-	-	-
515	7031	REPAIR OF NWTP #2 FEED PUMP	7/28/2017	4,369	(4,369)	-	-	-	-	-	-	-	-	-	-	-	-
516	7032	OIL/AIR SEPERATOR FILTERS FOR NWTP PALL	9/29/2017	9,898	-	9,898	9,898	-	-	-	-	-	-	-	-	-	-
517	7034	REPAIR OF RWPF RECLAIM WATER PUMP #2	8/14/2017	2,997	(2,997)	-	-	-	-	-	-	-	-	-	-	-	-
518	7035	REPAIR ABS 14HP PUMP FOR LS-65	8/28/2017	2,945	(2,945)	-	-	-	-	-	-	-	-	-	-	-	-
519	7037	RWPF MBR TRAIN #2 BLOWER	8/14/2017	17,981	(17,981)	-	-	-	-	-	-	-	-	-	-	-	-
520	7043	REPAIR OF CHICAGO PUMP EQ #5	8/28/2017	6,523	(6,523)	-	-	-	-	-	-	-	-	-	-	-	-
521	7044	ZENON CONTROL PANEL A/C	9/29/2017	4,005	-	4,005	-	-	2,002	-	-	-	2,002	-	-	-	-
522	7046	EMERGENCY REPAIR OF RUNWAY CONDUCTOR BAR	9/30/2017	7,650	(7,650)	-	-	-	-	-	-	-	-	-	-	-	-
523	7052	REPLACEMENT VFD FOR HSP	10/10/2016	19,866	(19,866)	-	-	-	-	-	-	-	-	-	-	-	-
524	7053	REPLACEMENT VFD FOR RAW WATER	10/10/2016	19,866	(19,866)	-	-	-	-	-	-	-	-	-	-	-	-
525	7054	REPLACEMENT PUMP FOR INPLANT	11/2/2016	7,851	(7,851)	-	-	-	-	-	-	-	-	-	-	-	-
526	7055	REPLACEMENT 14 HP PUMP FOR L/S	11/2/2016	15,896	(15,896)	-	-	-	-	-	-	-	-	-	-	-	-
527	7056	REPLACEMENT PERMEATE FLOW METER	10/10/2016	25,000	(25,000)	-	-	-	-	-	-	-	-	-	-	-	-
528	7057	REMOVAL & REPLACE ASR #6 PUMP	10/10/2016	11,650	(11,650)	-	-	-	-	-	-	-	-	-	-	-	-
529	7058	REPLACEMENT PUMPS FOR MANHOLE	10/10/2016	2,796	(2,796)	-	-	-	-	-	-	-	-	-	-	-	-
530	7059	REPLACEMENT ABS MIXER PUMP	10/10/2016	3,152	(3,152)	-	-	-	-	-	-	-	-	-	-	-	-
531	7060	LIFT STATION PUMP	11/2/2016	8,115	-	8,115	-	-	-	-	-	-	-	8,115	-	-	-
532	7073	Replacement Copy Machine for W&S Central	9/30/2018	2,840	-	2,840	-	-	-	-	-	-	-	-	-	-	2,840
533	7078	TRAIN CONVERSION PILOT	1/5/2018	188,661	-	188,661	-	-	188,661	-	-	-	-	-	-	-	-
534	7079	CATERPILLAR 430F2 IT BACKHOE UT 411	12/5/2017	149,597	-	149,597	-	-	-	-	-	-	-	-	-	-	149,597
535	7082	REPAIR KIT FOR THE NWTP CHECK VALVE	12/5/2017	5,343	(5,343)	-	-	-	-	-	-	-	-	-	-	-	-
536	7083	RWPF AIR CONDITIONER	12/5/2017	12,118	(12,118)	-	-	-	-	-	-	-	-	-	-	-	-
537	7094	REPAIR OF 14HP ABS PUMP FOR LS	8/17/2018	2,878	(2,878)	-	-	-	-	-	-	-	-	-	-	-	-
538	7099	REPAIR 40HP ABS SUBMERSIBLE PUMP	1/5/2018	5,382	(5,382)	-	-	-	-	-	-	-	-	-	-	-	-

Table 1
City of Marco Island, Florida
Water and Sewer Impact Fee Study

Summary of Existing Utility Assets

Line No.	Asset Number	Description	Acquired Date	Acquisition Amount	Adjustments	Adj. Acq. Amt.	Water System					Sewer System			General Plant		
							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Efl./Recl.		Transmission	Collection & Direct Recl.
539	7100	VFDS FOR THE SWTP (IRMA)	4/9/2018	71,240	-	71,240	-	71,240	-	-	-	-	-	-	-	-	-
540	7101	REPAIR OF ABS 10HP LIFT STATION	8/17/2018	2,147	(2,147)	-	-	-	-	-	-	-	-	-	-	-	-
541	7102	RWPF PR BLOWER #2 IMPROVEMENTS	1/5/2018	7,023	-	7,023	-	-	-	-	-	-	7,023	-	-	-	-
542	7104	600HP VFDS FOR RAW WATER (IRMA)	4/9/2018	102,894	-	102,894	102,894	-	-	-	-	-	-	-	-	-	-
543	7105	RWPF PD BLOWER ENCLOSURE (IRMA)	5/23/2018	34,875	-	34,875	-	-	-	-	-	-	34,875	-	-	-	-
544	7106	SECURITY CAMERAS FOR UTILITIES (IRMA)	1/5/2018	24,065	-	24,065	-	-	-	-	-	-	12,033	-	-	-	-
545	7107	REPLACEMENT CIP PUMP & MOTOR FOR THE PAL	1/5/2018	6,928	(6,928)	-	-	-	-	-	-	-	-	-	-	-	-
546	7108	REPLACEMENT PUMP END FOR PALL	1/5/2018	4,030	(4,030)	-	-	-	-	-	-	-	-	-	-	-	-
547	7111	REPAIR THE NWTP CIP PUMP	1/3/2018	5,525	(5,525)	-	-	-	-	-	-	-	-	-	-	-	-
548	7113	2 VFDS FOR SWTP (IRMA)	3/5/2018	55,481	-	55,481	-	55,481	-	-	-	-	-	-	-	-	-
549	7114	5 NEW 550HP VFDS FOR SOURCE WATER-IRMA	6/7/2018	20,933	-	20,933	20,933	-	-	-	-	-	-	-	-	-	-
550	7115	VFD FOR THE SWTP HSP (IRMA)	4/9/2018	23,747	-	23,747	-	-	-	-	-	-	-	-	-	-	-
551	7127	EMERGENCY STOP FOR VENTILATION FAN	1/5/2018	2,954	-	2,954	-	-	-	-	-	-	-	-	-	-	-
552	7128	NWP HVAC IMPROVEMENTS (IRMA)	7/30/2018	24,200	-	24,200	-	-	-	-	-	-	-	-	-	-	-
553	7129	RWPF HVAC IMPROVEMENTS (IRMA)	9/17/2018	30,000	-	30,000	-	-	-	-	-	-	30,000	-	-	-	-
554	7130	MTNC SHOP HVAC IMPROVEMENTS (IRMA)	2/8/2018	7,000	-	7,000	-	-	-	-	-	-	-	-	-	-	-
555	7131	SWP RO LAB HVAC IMPROVEMENTS (IRMA)	5/7/2018	19,750	-	19,750	-	-	-	-	-	-	-	-	-	-	-
556	7135	MARATHON 75 HP SHORT SHAFT MOTOR	1/5/2018	5,479	-	5,479	-	-	-	-	-	-	-	-	-	-	5,479
557	7136	LS-4I IMPROVEMENTS	6/4/2018	49,330	-	49,330	-	-	-	-	-	-	-	-	-	-	49,330
558	7137	CHLORINE ANALYZERS FOR RECLAIM	2/13/2018	10,080	-	10,080	-	-	-	-	-	-	-	-	-	-	10,080
559	7139	REPLACEMENT MANHOLE STATION PU	1/5/2018	2,422	-	2,422	-	-	-	-	-	-	-	-	-	2,422	-
560	7140	REPLACEMENT LS PUMP FOR INPLAN	1/5/2018	8,280	(8,280)	-	-	-	-	-	-	-	-	-	-	-	-
561	7141	RO WELL #14 IMPROVEMENTS	4/9/2018	8,465	-	8,465	8,465	-	-	-	-	-	-	-	-	-	-
562	7143	REPAIR 24RHP ABS FOR LS-51	1/5/2018	4,802	(4,802)	-	-	-	-	-	-	-	-	-	-	-	-
563	7144	REPAIR OF GRUNDFOS PUMP FOR NWP	2/8/2018	5,257	(5,257)	-	-	-	-	-	-	-	-	-	-	-	-
564	7145	Security Upgrade	2/26/2018	2,997	-	2,997	-	-	-	-	-	-	-	-	-	-	-
565	7146	LS-42 IMPROVEMENTS	6/4/2018	49,913	-	49,913	-	-	-	-	-	-	-	-	49,913	-	-
566	7147	REPAIR OF RWPF INPLANT LS PUMP	2/8/2018	2,545	(2,545)	-	-	-	-	-	-	-	-	-	-	-	-
567	7149	REPLACEMENT PUMP FOR INPLANT	2/8/2018	6,924	(6,924)	-	-	-	-	-	-	-	-	-	-	-	-
568	7155	REPLACEMENT PUMPS FOR MANHOLE LIFTSTATIO	4/9/2018	3,979	(3,979)	-	-	-	-	-	-	-	-	-	-	-	-
569	7158	'18 CHEVY SILVERADO 1500 REG UT 504	5/21/2018	23,614	-	23,614	-	-	-	-	-	-	-	-	-	-	23,614
570	7159	'18 CHEVY SILVERADO 2500 REG UT 321	7/30/2018	32,415	-	32,415	-	-	-	-	-	-	-	-	-	-	32,415
571	7160	'18 CHEVY SILVERADO 1500 REG UT 204	6/4/2018	23,614	-	23,614	-	-	-	-	-	-	-	-	-	-	23,614
572	7161	'18 CHEVY SILVERADO 1500 REG UT 431	5/21/2018	23,614	-	23,614	-	-	-	-	-	-	-	-	-	-	23,614
573	7162	'18 CHEVY SILVERADO 1500 REG UT 432	5/21/2018	23,614	-	23,614	-	-	-	-	-	-	-	-	-	-	23,614
574	7163	'18 CHEVY SILVERADO 1500 REG UT 430	5/21/2018	23,614	-	23,614	-	-	-	-	-	-	-	-	-	-	23,614
575	7164	'18 CHEVY 3500 REG CAB DIESEL UT 434	6/4/2018	47,277	-	47,277	-	-	-	-	-	-	-	-	-	-	47,277
576	7165	ABS PUMP FOR LS-1	6/4/2018	20,398	-	20,398	-	-	-	-	-	-	-	-	20,398	-	-
577	7166	LIFT STATION #22 REPLACEMENT PUMP	1/5/2018	5,333	(5,333)	-	-	-	-	-	-	-	-	-	-	-	-
578	7168	LIFT STATION CONTROL	3/5/2018	4,593	-	4,593	-	-	-	-	-	-	-	-	4,593	-	-
579	7169	ROTOR LOBE PUMP FOR THE ZENON TRAIN #4	4/2/2018	25,274	-	25,274	-	-	-	-	-	-	-	-	-	-	-
580	7171	RO WELL #14 BERMAID VALVE	3/21/2018	15,222	-	15,222	15,222	-	-	-	-	-	-	-	-	-	-
581	7173	REPAIR OF 10 HP ABS BARBOSA LIFT STATION	3/14/2018	1,399	(1,399)	-	-	-	-	-	-	-	-	-	-	-	-
582	7174	REPAIR L/S 34 MARCO LAKE DR	3/14/2018	22,636	-	22,636	-	-	-	-	-	-	-	-	22,636	-	-
583	7175	REPLACEMENT PUMP FOR NWTP PALL	4/9/2018	5,257	(5,257)	-	-	-	-	-	-	-	-	-	-	-	-
584	7177	AERZEN BLOWER FOR ZENON TRAIN #5	3/5/2018	18,475	-	18,475	-	-	-	-	-	-	-	-	-	-	-
585	7179	UTIL-RAW WATER BACKUP DIESEL PUMP	3/5/2018	2,495	-	2,495	2,495	-	-	-	-	-	-	-	-	-	-
586	7180	Rugged outdoor Dell Laptop	4/2/2018	2,775	-	2,775	-	-	-	-	-	-	-	-	-	-	2,775
587	7183	Lime Sludge Thickener Gear Drive (IRMA)	7/16/2018	91,365	(91,365)	-	-	-	-	-	-	-	-	-	-	-	-
588	7187	REPAIR OF ABS 14HP PUMP-EHLEN TILE LIFT	4/9/2018	2,364	(2,364)	-	-	-	-	-	-	-	-	-	-	-	-
589	7189	SWTP RO Membrane Replacement	5/14/2018	70,170	-	70,170	-	-	-	-	-	-	-	-	-	-	-
590	7190	NWTP Chemical Tank IMPROVEMENT (IRMA)	6/7/2018	41,225	(41,225)	-	-	-	-	-	-	-	-	-	-	-	-
591	7192	REPAIR OF ABS 84HP PUMP	5/21/2018	5,885	(5,885)	-	-	-	-	-	-	-	-	-	-	-	-
592	7193	REPAIR OF ABS 84HP PUMP	4/30/2018	7,465	(7,465)	-	-	-	-	-	-	-	-	-	-	-	-
593	7194	RWPF EQ BLOWER "B"	5/21/2018	6,540	-	6,540	-	-	-	-	-	-	6,540	-	-	-	-
594	7195	LS-85 IMPROVEMENTS	4/9/2018	25,657	-	25,657	-	-	-	-	-	-	-	-	25,657	-	-
595	7196	CARD ACCESS SECURITY MF BUILDING (IRMA)	5/14/2018	2,995	-	2,995	-	-	-	-	-	-	-	-	-	-	-
596	7200	MAGNETIC FLOW METER	7/16/2018	6,129	-	6,129	-	-	-	3,065	-	-	-	-	-	-	-
597	7201	REPLACEMENT 200HP VFD	9/4/2018	25,070	(25,070)	-	-	-	-	-	-	-	-	-	-	-	-
598	7207	LOAD SHARING MODULE FOR GENERATOR 1	7/2/2018	3,803	-	3,803	-	-	-	-	-	-	1,901	-	-	-	-
599	7216	AC UNIT - NORTH ADMIN	7/2/2018	4,875	(4,875)	-	-	-	-	-	-	-	-	-	-	-	-
600	7217	REPLACEMENT ROTARY PUMP	6/4/2018	11,243	(11,243)	-	-	-	-	-	-	-	-	-	-	-	-
601	7218	REPLACEMENT PUMPS FOR LS-41	6/7/2018	10,667	(10,667)	-	-	-	-	-	-	-	-	-	-	-	-
602	7219	REPAIR OF 10 HP ABS PUMP	9/17/2018	3,701	(3,701)	-	-	-	-	-	-	-	-	-	-	-	-
603	7220	TRANSMITTERS CL2 TANK PALL SYSTEM	6/7/2018	2,970	-	2,970	-	-	-	-	-	-	-	-	-	-	-
604	7221	RETROFIT #1 GENERATOR FUEL SYSTEM	9/17/2018	13,328	-	13,328	-	-	-	-	-	-	6,664	-	-	-	-
605	7226	POLARIS RANGER 570 UTIL VEHICLE UT 320	7/16/2018	10,191	-	10,191	-	-	-	-	-	-	-	-	-	-	10,191
606	7227	POLARIS RANGER 570 UTILITY VEHICLE	7/16/2018	10,191	-	10,191	-	-	-	-	-	-	-	-	-	-	10,191
607	7228	REPAIR OF SWTP 350HP MOTOR	8/6/2018	13,996	(13,996)	-	-	-	-	-	-	-	-	-	-	-	-
608	7230	GEAR DRIVE UNIT NWTP GENERATOR	8/7/2018	4,617	-	4,617	-	-	-	-	-	-	-	-	-	-	-
609	7233	REPAIR OF ABS 4.7 HP PUMP	9/17/2018	2,120	(2,120)	-	-	-	-	-	-	-	-	-	-	-	-
610	7234	REPAIR OF ABS 4.7 HP PUMP	9/17/2018	2,376	(2,376)	-	-	-	-	-	-	-	-	-	-	-	-
611	7236	VFD FOR ODOR CONTROL FAN	8/17/2018	6,682	-	6,682	-	-	-	-	-	-	-	-	-	-	-
612	7238	NWTP Sodium Hypochlorite Tank	9/17/2018	19,850	-	19,850	-	-	-	-	-	-	6,682	-	-	-	-
613	7243	METER REPLACEMENT PROGRAM FY 18	10/13/2017	42,568	-	42,568	-	-	-	-	-	-	-	-	-	-	-
614	7244	SWTP RO MEMBRANE REPLACEMENT	8/6/2018	300,000	(300,000)	-	-	-	-	-	-	-	42,568	-	-	-	-
615	7245	SUBMERSIBLE WELL FIELD MOTORS	10/13/2017	11,104	-	11,104	11,104	-	-	-	-	-	-	-	-	-	-

Table 1
City of Marco Island, Florida
Water and Sewer Impact Fee Study

Summary of Existing Utility Assets

Line No.	Asset Number	Description	Acquired Date	Acquisition Amount	Adjustments	Adj. Acq. Amt.	Water System					Sewer System			General Plant		
							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Effl./Recl.		Transmission	Collection & Direct Recl.
616	7246	NWTP PALL COMPRESSOR	10/13/2017	8,902	-	8,902	-	8,902	-	-	-	-	-	-	-	-	-
617	7247	CUTSQUICK POWER SAW	1/31/2018	1,010	-	1,010	-	-	-	-	-	-	-	-	-	-	1,010
618	7249	HIGH SERVICE PUMP MOTOR	10/13/2017	8,733	-	8,733	-	8,733	-	-	-	-	-	-	-	-	-
619	7250	14HP ABS PUMP L/S65	10/3/2017	2,627	-	2,627	-	-	-	-	-	-	-	-	2,627	-	-
620	7251	SWTP HIGH SERVICE PUMP	10/13/2017	8,913	-	8,913	-	8,913	-	-	-	-	-	-	-	-	-
621	7252	RO PLANT PUMP	10/13/2017	2,798	-	2,798	-	-	-	-	-	-	-	-	-	-	-
622	7253	BREAKWATER LIFT STATION PUMP	10/13/2017	2,688	-	2,688	-	-	-	-	-	-	-	-	-	-	-
623	7254	PLANT LIFT STATION PUMP	10/13/2017	3,566	-	3,566	-	-	-	-	-	-	-	-	3,566	-	-
624	7255	SODIUM HYPOCHLORITE PUMP FLOW METER	10/13/2017	18,939	-	18,939	-	18,939	-	-	-	-	-	-	-	-	-
625	7256	REPLACEMENT TRANSFER PUMP	12/4/2017	15,205	(15,205)	-	-	-	-	-	-	-	-	-	-	-	-
626	7257	ABS 14 HP LIFT STATION PUMP	12/4/2017	3,491	-	3,491	-	-	-	-	-	-	-	-	-	-	-
627	7258	MOTOR FOR SWTP HSP	12/4/2017	14,401	-	14,401	-	-	-	-	-	-	-	-	3,491	-	-
628	7268	INDUSTRIAL CEILING FAN UTIL MAINT	12/3/2018	8,788	-	8,788	-	-	-	-	4,394	-	-	-	-	-	4,394
629	7269	PUMP BASE & PIPING @ LS-14	11/9/2018	6,849	-	6,849	-	-	-	-	-	-	-	-	6,849	-	-
630	7270	CIRCULATION FAN RWPF ODOM CONTROL	10/1/2018	29,076	-	29,076	-	-	-	-	-	-	-	29,076	-	-	-
631	7272	10HP WILO PUMP INPLANT LS #1	10/19/2018	2,945	-	2,945	-	-	-	-	-	-	-	-	2,945	-	-
632	7273	PUMP # RWPF	10/29/2018	13,766	-	13,766	-	-	-	-	-	-	-	13,766	-	-	-
633	7274	84HP SUBMERSEIBLE PUMP LS-75	12/3/2018	38,848	-	38,848	-	-	-	-	-	-	-	-	38,848	-	-
634	7284	IRMA - STORAGE TANK	11/9/2018	1,500	(1,500)	-	-	-	-	-	-	-	-	-	-	-	-
635	7285	IRMA - STORAGE TANK RWPF	10/1/2018	115,000	(115,000)	-	-	-	-	-	-	-	-	-	-	-	-
636	7286	IRMA - STORAGE TANK MARCO LAKES	10/1/2018	34,850	(34,850)	-	-	-	-	-	-	-	-	-	-	-	-
637	7287	IRMA - STORAGE TANK NWP	10/1/2018	7,150	(7,150)	-	-	-	-	-	-	-	-	-	-	-	-
638	7288	IRMA - STORAGE TANK SWP	10/1/2018	74,750	(74,750)	-	-	-	-	-	-	-	-	-	-	-	-
639	7309	LIFT STATION CONTROL PANEL REPLACEMENTS	9/30/2019	38,389	(38,389)	-	-	-	-	-	-	-	-	-	-	-	-
640	7310	M100+ LABORATORY TURBIDIMETER	9/30/2019	1,843	-	1,843	-	-	-	-	-	-	-	-	-	-	1,843
641	7320	IRMA-MISC. HVAC REPAIRS	3/20/2019	37,000	-	37,000	-	-	-	-	-	-	-	-	-	-	37,000
642	7321	ENGINEERING SWTP GENERATOR	9/23/2019	44,881	-	44,881	-	-	-	-	-	-	-	-	-	-	-
643	7334	VERTICAL TURBINE PUMP SWTP HSP A	1/2/2019	44,060	-	44,060	-	-	-	-	-	-	-	-	-	-	-
644	7336	RECIRCULATION PUMP FOR SWTP SCRUBBER	1/2/2019	12,418	-	12,418	-	-	-	-	-	-	-	-	-	-	-
645	7337	27kV BREAKER	12/7/2018	41,390	-	41,390	-	20,695	-	-	-	-	20,695	-	-	-	-
646	7340	NWTP Air Compressor Replacem	12/11/2018	63,048	(63,048)	-	-	-	-	-	-	-	-	-	-	-	-
647	7341	NWTP AIR COMPRESSOR	1/2/2019	55,647	-	55,647	-	55,647	-	-	-	-	-	-	-	-	-
648	7346	PUMP IMPELLER AND WEAR PLATE	12/11/2018	1,531	(1,531)	-	-	-	-	-	-	-	-	-	-	-	-
649	7347	2019 CHEVY SILVERADO UTIL 610	1/2/2019	28,274	-	28,274	-	-	-	-	-	-	-	-	-	-	28,274
650	7349	REPAIR WAS PUMP #1 FOR RWPF	3/25/2019	6,462	(6,462)	-	-	-	-	-	-	-	-	-	-	-	-
651	7350	2019 RAM Promaster 1500	5/3/2019	28,200	-	28,200	-	-	-	-	-	-	-	-	-	-	28,200
652	7351	2019 CHEVY SILVERADO MED DUTY	7/8/2019	80,880	-	80,880	-	-	-	-	-	-	-	-	-	-	80,880
653	7352	REPAIR OF SWTP 350HP MOTOR RO TRAIN #3	1/2/2019	15,805	(15,805)	-	-	-	-	-	-	-	-	-	-	-	-
654	7353	FY19 MBR MEMBRANE REPLACEMENT	1/2/2019	320,842	(320,842)	-	-	-	-	-	-	-	-	-	-	-	-
655	7356	PALL SYSTEM REPAIR KIT	2/11/2019	2,029	(2,029)	-	-	-	-	-	-	-	-	-	-	-	-
656	7357	PALL SYSTEM SELF CLEANING STRAINER	4/23/2019	43,124	-	43,124	-	43,124	-	-	-	-	-	-	-	-	-
657	7359	PALL SYSTEM BUTTERFLY VALVES	1/2/2019	14,274	-	14,274	-	14,274	-	-	-	-	-	-	-	-	-
658	7360	REPAIR RW HSP 600HP MOTOR	1/2/2019	11,542	(11,542)	-	-	-	-	-	-	-	-	-	-	-	-
659	7361	REPAIR LS PUMP FOR LS-73	1/2/2019	2,769	(2,769)	-	-	-	-	-	-	-	-	-	-	-	-
660	7362	REPAIR 17.4HP PUMP FOR LS-14	1/2/2019	2,742	(2,742)	-	-	-	-	-	-	-	-	-	-	-	-
661	7369	LS 41 & 42 CONTROL PANEL REPLACEMENTS	5/20/2019	31,935	(31,935)	-	-	-	-	-	-	-	-	-	-	-	-
662	7370	AIR OPERATED PUMPS	1/2/2019	4,591	-	4,591	-	-	-	2,295	-	-	-	-	-	-	2,295
663	7371	PERMEATE PUMP RWPF MBR TRAIN #2	1/2/2019	25,274	-	25,274	-	-	-	-	-	-	25,274	-	-	-	-
664	7372	PERMEATE PUMP MOTOR RWPF TRAIN #2	1/2/2019	13,651	-	13,651	-	-	-	-	-	-	13,651	-	-	-	-
665	7374	METER REPLACEMENT PROGRAM FY 19	1/2/2019	62,966	-	62,966	-	-	-	-	-	62,966	-	-	-	-	-
666	7375	ASR WELL #1 FLOW METER	1/23/2019	2,431	-	2,431	-	2,431	-	-	-	-	-	-	-	-	-
667	7382	REPAIR OF 85HP ABS PUMP LS 75	4/17/2019	11,375	(11,375)	-	-	-	-	-	-	-	-	-	-	-	-
668	7383	REPAIR OF ABS 10HP LS PUMP	1/2/2019	3,261	(3,261)	-	-	-	-	-	-	-	-	-	-	-	-
669	7386	PALL SYSTEM CHLORINE ANALYZERS	1/2/2019	3,360	-	3,360	-	3,360	-	-	-	-	-	-	-	-	-
670	7387	PALL SYSTEM CHLORINE ANALYZERS	4/1/2019	3,529	-	3,529	-	3,529	-	-	-	-	-	-	-	-	-
671	7390	MLE TANK #2 INSTRUMENT REPLACEMENT	1/2/2019	4,389	-	4,389	-	-	-	-	-	-	-	-	-	-	-
672	7391	REPLACEMENT PUMP FOR LS-57	1/2/2019	8,374	(8,374)	-	-	-	-	-	-	-	-	-	-	-	4,389
673	7392	REPAIR BLOWER FOR EQ BLOWER	3/11/2019	6,450	(6,450)	-	-	-	-	-	-	-	-	-	-	-	-
674	7395	3 NEPTUNE HANDHELDS W/CRADLES	1/23/2019	29,494	-	29,494	-	-	-	-	-	-	-	-	-	-	29,494
675	7396	TSS PROBE FOR RWPF SLUDGE TANK	3/18/2019	9,237	-	9,237	-	-	-	-	-	-	9,237	-	-	-	-
676	7398	PUMP FOR THE SLUDGE PRESS	1/23/2019	2,384	-	2,384	-	2,384	-	-	-	-	-	-	-	-	-
677	7399	TURBIDIMETER FOR NWTP	4/1/2019	2,611	-	2,611	-	-	-	-	-	-	-	-	-	-	-
678	7400	ROSS VALVES KITS RAW WATER	2/25/2019	9,309	(9,309)	-	-	-	-	-	-	-	-	-	-	-	2,611
679	7402	REPAIR OF ABS 84.5HP PUMP	2/11/2019	4,974	(4,974)	-	-	-	-	-	-	-	-	-	-	-	-
680	7403	REPAIR OF ABS 14 HP PUMP	2/11/2019	3,089	(3,089)	-	-	-	-	-	-	-	-	-	-	-	-
681	7405	SLUDGE PUMP FOR NWTP	4/9/2019	2,394	-	2,394	-	2,394	-	-	-	-	-	-	-	-	-
682	7406	CHEMICAL FEED PERISTALTIC PUMP	2/25/2019	5,442	(5,442)	-	-	-	-	-	-	-	-	-	-	-	-
683	7408	REPLACEMENT ABS PUMP FOR LS-65	2/11/2019	8,868	(8,868)	-	-	-	-	-	-	-	-	-	-	-	-
684	7409	125HP MOTOR FOR THE PALL SYSTEM	2/25/2019	4,287	(4,287)	-	-	-	-	-	-	-	-	-	-	-	-
685	7411	REPAIR OF ABS 24.8 HP PUMP	4/9/2019	6,675	(6,675)	-	-	-	-	-	-	-	-	-	-	-	-
686	7412	WILO 10 HP PUMP HEADWORKS LS	2/25/2019	8,280	-	8,280	-	-	-	-	-	-	-	-	8,280	-	-
687	7413	CAUSTIC TANK	7/1/2019	18,175	-	18,175	-	18,175	-	-	-	-	-	-	-	-	-
688	7415	SWTP RO MEMBRANE REPLACEMENT	3/20/2019	73,904	(73,904)	-	-	-	-	-	-	-	-	-	-	-	-
689	7416	CONTROL PANEL TOUCH SCREEN COMPUTERS	3/4/2019	19,890	-	19,890	-	-	-	-	-	-	-	-	-	-	19,890
690	7418	REPAIR OF ABS 33.5HP PUMP LS 13	3/20/2019	9,816	(9,816)	-	-	-	-	-	-	-	-	-	-	-	-
691	7420	ELECTRICAL BUSSWAY RPLMT SOURCE WATER	7/23/2019	89,600	-	89,600	-	89,600	-	-	-	-	-	-	-	-	-
692	7422	AERZEN BLOWER	3/11/2019	28,742	-	28,742	-	-	-	-	-	-	14,371	-	-	-	-

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							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Effl./Recl.	Transmission		Collection & Direct Recl.	
693	7423	REPLACEMENT PUMP FOR LS-50	3/11/2019	8,700	(8,700)	-	-	-	-	-	-	-	-	-	-	-	-	-
694	7425	PALL SYSTEM PUMP FOR THE NWTP	5/9/2019	10,443	-	10,443	-	-	-	-	-	-	-	-	-	-	-	-
695	7427	1986 Ford F350-refuel truck	3/18/2019	3,000	-	3,000	-	-	-	-	-	-	-	-	-	-	-	3,000
696	7429	SWTP CIRCUIT BREAKER SWITCHGEAR	7/1/2019	20,988	-	20,988	-	-	-	-	-	-	-	-	-	-	-	-
697	7431	PERMEATE VALVES AND ACTUATOR MBR TRAINS	3/20/2019	5,605	(5,605)	-	-	-	-	-	-	-	-	-	-	-	-	-
698	7432	10" MASTER METER - GOODLAND	4/9/2019	17,827	-	17,827	-	-	-	-	-	17,827	-	-	-	-	-	-
699	7433	600 VAC BREAKER ASR WELL CONTROL PANEL	4/1/2019	2,734	-	2,734	-	-	-	-	-	-	-	-	-	-	-	-
700	7437	SUBMERSEIBLE PUMP	4/1/2019	3,383	-	3,383	-	-	-	-	1,691	-	-	-	-	-	1,691	-
701	7439	SCRUBBER REHAB R&R PLASTIC BAL	9/4/2019	28,446	(28,446)	-	-	-	-	-	-	-	-	-	-	-	-	-
702	7440	REPAIR OF ABS 47HP LS 15	5/20/2019	9,139	(9,139)	-	-	-	-	-	-	-	-	-	-	-	-	-
703	7441	RO WELL PUMP	6/7/2019	6,165	-	6,165	6,165	-	-	-	-	-	-	-	-	-	-	-
704	7442	BERMAD VALVE SWTP RO WELL #13	8/2/2019	13,435	-	13,435	-	-	-	-	-	-	-	-	-	-	-	-
705	7443	REPAIR 10HP ABS PUMP FOR LS-45	4/9/2019	3,243	(3,243)	-	-	-	-	-	-	-	-	-	-	-	-	-
706	7444	HEADWORKS DRUM SCREEN GEAR MOTOR	7/8/2019	3,243	(3,243)	-	-	-	-	-	-	-	-	-	-	-	-	-
707	7446	REPLACEMENT ABS PUMP FOR LS-13	4/23/2019	28,151	(28,151)	-	-	-	-	-	-	-	-	-	-	-	-	-
708	7447	REPLACEMENT ABS PUMP FOR LS-13	4/23/2019	14,967	(14,967)	-	-	-	-	-	-	-	-	-	-	-	-	-
708	7447	GROUND PENETRATING RADAR	4/9/2019	13,345	-	13,345	-	-	-	-	-	-	-	-	-	-	-	13,345
709	7449	COMPRESSOR PUMP	5/20/2019	3,620	-	3,620	-	-	1,810	-	-	-	-	-	-	1,810	-	-
710	7451	REPAIR OF ABS 24.8 HP LS-23	6/7/2019	6,902	(6,902)	-	-	-	-	-	-	-	-	-	-	-	-	-
711	7455	PERISTALTIC PUMPS	5/20/2019	1,874	(1,874)	-	-	-	-	-	-	-	-	-	-	-	-	-
712	7456	CAPE MARCO MASTER METER	6/24/2019	10,544	-	10,544	-	-	-	-	-	10,544	-	-	-	-	-	-
713	7458	REPAIR OF 12HP ABS LS PUMP	5/20/2019	3,728	(3,728)	-	-	-	-	-	-	-	-	-	-	-	-	-
714	7459	REPAIR ABS 10HP LIFT STATION PUMP	6/7/2019	3,239	(3,239)	-	-	-	-	-	-	-	-	-	-	-	-	-
715	7461	PALL SYSTEM ULTRASONIC LEVEL	6/24/2019	1,606	(1,606)	-	-	-	-	-	-	-	-	-	-	-	-	-
716	7462	PALL SYSTEM CL2 METERING PUMP	6/7/2019	4,114	(4,114)	-	-	-	-	-	-	-	-	-	-	-	-	-
717	7466	REPAIR ABS 10 HP LIFT STATION	7/8/2019	2,566	(2,566)	-	-	-	-	-	-	-	-	-	-	-	-	-
718	7472	CONDUCTIVITY METER RO TRAIN #2	7/1/2019	2,415	(2,415)	-	-	-	-	-	-	-	-	-	-	-	-	-
719	7475	10 HP PUMP RWPF LS 1	6/24/2019	8,280	(8,280)	-	-	-	-	-	-	-	-	-	-	-	-	-
720	7479	ABS PUMP FOR LIFT STATION	8/27/2019	2,080	-	2,080	-	-	-	-	-	-	-	-	-	2,080	-	-
721	7480	A/C needed for Pall MCC Room -	7/8/2019	4,573	-	4,573	-	-	-	-	-	-	-	-	-	-	-	-
722	7482	REPAIR OF ABS 14HP LIFT STATIO	8/2/2019	2,908	(2,908)	-	-	-	-	-	-	-	-	-	-	-	-	-
723	7486	10HP PUMP RWPF LS 1	7/24/2019	8,280	(8,280)	-	-	-	-	-	-	-	-	-	-	-	-	-
724	7488	CLS METERING PUMPS PALL SYSTEM	8/2/2019	7,422	(7,422)	-	-	-	-	-	-	-	-	-	-	-	-	-
725	7489	PALL SYSTEM BERMAD VALVES	9/4/2019	3,050	-	3,050	-	-	-	-	-	-	-	-	-	-	-	-
726	7490	HEADWORKS HYDRO-PNEUMATIC TANK	9/4/2019	5,566	-	5,566	-	-	-	-	-	-	-	-	-	-	-	-
727	7493	3200A BREAKER FOR NWTP GENERATOR SWITCH	9/4/2019	12,145	-	12,145	-	-	-	-	-	-	-	-	-	-	-	-
728	7494	ULTRASONIC FLOW METER	8/2/2019	7,299	-	7,299	-	-	-	-	-	-	-	-	-	-	-	-
729	7497	REPAIR OF 350HP MOTOR SWTP RO TRAINS	9/23/2019	16,119	(16,119)	-	-	-	-	-	-	-	-	-	-	-	-	-
730	7505	PALL SYSTEM CIRCUIT BREAKER	9/4/2019	3,496	-	3,496	-	-	-	-	-	-	-	-	-	-	-	-
731	7506	PALL SYSTEM PROMINENT CONTROL	9/4/2019	3,424	-	3,424	-	-	-	-	-	-	-	-	-	-	-	-
732	7507	AIR CONDENSOR - BUILDING MF	9/4/2019	4,150	-	4,150	-	-	-	-	-	-	-	-	-	-	-	-
733	7508	LS #55 RESTORATION	9/23/2019	14,891	(14,891)	-	-	-	-	-	-	-	-	-	-	-	-	-
734	7509	PALL SYSTEM pH SENSORS	9/4/2019	3,074	-	3,074	-	-	-	-	-	-	-	-	-	-	-	-
735	7512	REPAIR OF ABS LS-55 PUMP	9/23/2019	3,445	(3,445)	-	-	-	-	-	-	-	-	-	-	-	-	-
736	7513	REPAIR OF ABS 24.8 HP PUMP LS-16	9/23/2019	4,726	(4,726)	-	-	-	-	-	-	-	-	-	-	-	-	-
737	7514	RO WELL MOTOR	9/4/2019	3,383	-	3,383	-	-	-	-	-	-	-	-	-	-	-	-
738	7515	RECLAIM MAG FLOW METER	9/23/2019	18,167	-	18,167	-	-	-	-	-	-	-	-	-	-	-	-
739	7523	GAS CONCRETE SAW	11/30/2019	1,415	-	1,415	-	-	-	-	-	-	18,167	-	-	-	-	1,415
740	7529	PLASMA ARC SYSTEM	11/30/2019	2,550	(2,550)	-	-	-	-	-	-	-	-	-	-	-	-	-
741	7530	Ice Machine for NWP sampling	12/30/2019	1,590	(1,590)	-	-	-	-	-	-	-	-	-	-	-	-	-
742	7533	REPLACEMENT LIFT STATION CONTROL PANELS	1/21/2020	86,481	(86,481)	-	-	-	-	-	-	-	-	-	-	-	-	-
743	7534	UPGRADED CONTROL PANEL FOR LS-CLUB MARCO	1/21/2020	10,264	-	10,264	-	-	-	-	-	-	-	-	-	-	-	10,264
744	7535	REPAIR OF INFLUENT PUMP MIWW	3/9/2020	12,090	(12,090)	-	-	-	-	-	-	-	-	-	-	-	-	-
745	7538	REPAIR OF 10 HP WLO PUMP	11/4/2019	4,000	(4,000)	-	-	-	-	-	-	-	-	-	-	-	-	-
746	7539	EMERGENCY PURCHASE OF ABS PUMP	10/3/2019	15,390	(15,390)	-	-	-	-	-	-	-	-	-	-	-	-	-
747	7541	REHAB OF LS-34	11/27/2019	46,462	(46,462)	-	-	-	-	-	-	-	-	-	-	-	-	-
748	7542	REPAIR OF 350 HP MOTOR	10/21/2019	14,321	(14,321)	-	-	-	-	-	-	-	-	-	-	-	-	-
749	7543	REPLACEMENT POSITIVE DISPLACEMENT BLOWER	10/21/2019	19,993	(19,993)	-	-	-	-	-	-	-	-	-	-	-	-	-
750	7544	REPAIR OF 2 - 12HP PUMPS	10/21/2019	3,497	(3,497)	-	-	-	-	-	-	-	-	-	-	-	-	-
751	7545	REPAIR SHEFFIELD L/S PUMP #2	10/3/2019	1,448	(1,448)	-	-	-	-	-	-	-	-	-	-	-	-	-
752	7546	REPLACEMENT PD BLOWER MOTOR	10/3/2019	4,246	(4,246)	-	-	-	-	-	-	-	-	-	-	-	-	-
753	7547	REPLACEMENT ABS MIXER	11/12/2019	4,281	(4,281)	-	-	-	-	-	-	-	-	-	-	-	-	-
754	7548	REPLACEMENT ALLUM PUMPS	11/4/2019	5,465	(5,465)	-	-	-	-	-	-	-	-	-	-	-	-	-
755	7549	REPAIR ABS A 7 HP PUMP	10/21/2019	1,953	(1,953)	-	-	-	-	-	-	-	-	-	-	-	-	-
756	7550	LS-34 CONTROL PANEL UPGRADE	11/12/2019	4,595	-	4,595	-	-	-	-	-	-	-	-	4,595	-	-	-
757	7551	REPLACEMENT L&W CHECK VALVE	11/12/2019	5,611	(5,611)	-	-	-	-	-	-	-	-	-	-	-	-	-
758	7552	EMERGENCY REPLACEMENT OF DIAPHRAM	11/4/2019	4,581	(4,581)	-	-	-	-	-	-	-	-	-	-	-	-	-
759	7554	REPLACEMENT ABS 28HP PUMP	11/27/2019	15,390	(15,390)	-	-	-	-	-	-	-	-	-	-	-	-	-
760	7555	FY20 MBR MEMBRANE REPLACEMENT	12/18/2019	300,000	(300,000)	-	-	-	-	-	-	-	-	-	-	-	-	-
761	7557	REPAIR OF ABS 14HP LS PUMP	11/4/2019	2,724	(2,724)	-	-	-	-	-	-	-	-	-	-	-	-	-
762	7558	3 COMPRESSED AIR DRYERS	11/4/2019	5,170	-	5,170	-	-	-	-	-	-	-	-	5,170	-	-	-
763	7561	REPLACEMENT INFLUENT PLUG VALVE	4/27/2020	37,184	(37,184)	-	-	-	-	-	-	-	-	-	-	-	-	-
764	7566	REPAIR OF ABS 28HP PUMP	3/17/2020	6,819	-	6,819	-	-	-	-	-	-	-	-	-	-	-	-
765	7567	REPLACEMENT ABS MIXER	11/12/2019	3,510	(3,510)	-	-	-	-	-	-	-	-	-	-	-	-	-
766	7568	REPLACEMENT PUMP AND MOTOR	3/10/2020	13,619	(13,619)	-	-	-	-	-	-	-	-	-	-	-	-	-
767	7572	2020 CHEVY SILVERADO 2500 C/D 435	4/8/2020	36,001	-	36,001	-	-	-	-	-	-	-	-	-	-	-	36,001
768	7573	REPLACEMENT ABS PUMP	11/12/2019	4,993	(4,993)	-	-	-	-	-	-	-	-	-	-	-	-	-
769	7574	2020 CHEVY SILVERADO 1500 - UTIL	1/21/2020	26,465	-	26,465	-	-	-	-	-	-	-	-	-	-	-	26,465

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City of Marco Island, Florida
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Line No.	Asset Number	Description	Acquired Date	Acquisition Amount	Adjustments	Adj. Acq. Amt.	Water System					Sewer System			General Plant		
							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Effl./Recl.		Transmission	Collection & Direct Recl.
770	7576	REPLACEMENT ABS WELL MOTORS	12/2/2019	6,766	(6,766)	-	-	-	-	-	-	-	-	-	-	-	-
771	7577	REPAIR ABS 14HP PUMP	11/27/2019	2,327	(2,327)	-	-	-	-	-	-	-	-	-	-	-	-
772	7579	METER REPLACEMENT PROGRAM	12/18/2019	49,946	-	49,946	-	-	-	-	-	49,946	-	-	-	-	-
773	7580	REPAIR OF ABS LIFT STATION PUMP	1/2/2020	10,238	(10,238)	-	-	-	-	-	-	-	-	-	-	-	-
774	7581	REPAIR OF ABS 24.8 HP PUMP	1/21/2020	3,348	(3,348)	-	-	-	-	-	-	-	-	-	-	-	-
775	7585	REPLACEMENT REFRIGERATION SYST PARTS	1/31/2020	33,812	(33,812)	-	-	-	-	-	-	-	-	-	-	-	-
776	7586	REPLACEMENT RO WELL PUMPS	3/26/2020	12,958	(12,958)	-	-	-	-	-	-	-	-	-	-	-	-
777	7592	REPAIR ABS LS PUMP	1/21/2020	2,041	(2,041)	-	-	-	-	-	-	-	-	-	-	-	-
778	7593	REPAIR ABS LS PUMP	1/21/2020	4,406	(4,406)	-	-	-	-	-	-	-	-	-	-	-	-
779	7594	REPLACEMENT METERING PUMPS	1/21/2020	5,222	(5,222)	-	-	-	-	-	-	-	-	-	-	-	-
780	7602	REPAIR ABS LS PUMP	1/21/2020	9,134	(9,134)	-	-	-	-	-	-	-	-	-	-	-	-
781	7603	REPAIR OF LS-31 VALVE VAULT	5/18/2020	46,144	(46,144)	-	-	-	-	-	-	-	-	-	-	-	-
782	7605	REPLACEMENT MANHOLE PUMPS	2/25/2020	3,194	(3,194)	-	-	-	-	-	-	-	-	-	-	-	-
783	7606	REPLACEMENT GRINDER PUMPS	2/25/2020	2,656	(2,656)	-	-	-	-	-	-	-	-	-	-	-	-
784	7608	REPLACEMENT LEVEL TRANSMITTER	2/27/2020	2,789	(2,789)	-	-	-	-	-	-	-	-	-	-	-	-
785	7609	REPLACEMENT PRESSURE TRANSMITTER	2/26/2020	2,460	(2,460)	-	-	-	-	-	-	-	-	-	-	-	-
786	7610	REPAIR OF ABS 10 HP PUMP	2/26/2020	2,316	(2,316)	-	-	-	-	-	-	-	-	-	-	-	-
787	7614	REPLACEMENT HYDRO-PNEUMATIC TANK	3/18/2020	5,566	(5,566)	-	-	-	-	-	-	-	-	-	-	-	-
788	7616	AERATION EJECTOR SYSTEM	5/18/2020	11,393	-	11,393	-	-	-	-	-	-	11,393	-	-	-	-
789	7619	REPLACEMENT SUBMERSIBLE PUMP	3/17/2020	2,776	(2,776)	-	-	-	-	-	-	-	-	-	-	-	-
790	7620	REPLACEMENT MOTOR FOR ASR WELL	3/26/2020	2,987	(2,987)	-	-	-	-	-	-	-	-	-	-	-	-
791	7621	REPLACEMENT GRINDER MHS PUMPS	3/26/2020	2,910	(2,910)	-	-	-	-	-	-	-	-	-	-	-	-
792	7622	REPAIR ABS 14HP PUMP	3/26/2020	3,093	(3,093)	-	-	-	-	-	-	-	-	-	-	-	-
793	7623	REPAIR OF ABS 14 HP PUMP	3/17/2020	3,154	(3,154)	-	-	-	-	-	-	-	-	-	-	-	-
794	7624	REPLACEMENT MHS PUMPS	3/17/2020	3,194	(3,194)	-	-	-	-	-	-	-	-	-	-	-	-
795	7626	REPAIR OF ABS 10HP PUMP	3/26/2020	2,116	(2,116)	-	-	-	-	-	-	-	-	-	-	-	-
796	7628	REPLACEMENT RO WELL MOTORS	4/8/2020	6,766	(6,766)	-	-	-	-	-	-	-	-	-	-	-	-
797	7629	REPLACEMENT RO WELL PUMPS	8/5/2020	11,486	(11,486)	-	-	-	-	-	-	-	-	-	-	-	-
798	7631	NEW CONCRETE PAD FOR LS #12 - MULLBERRY	4/27/2020	3,969	-	3,969	-	-	-	-	-	-	-	-	3,969	-	-
799	7632	REPAIR ABS 14HP PUMP	4/27/2020	2,658	(2,658)	-	-	-	-	-	-	-	-	-	-	-	-
800	7633	RO PLANT HIGH SERVICE PUMP	5/18/2020	3,240	-	3,240	-	-	3,240	-	-	-	-	-	-	-	-
801	7634	REPAIR ASR WELL MOTOR	5/18/2020	2,474	(2,474)	-	-	-	-	-	-	-	-	-	-	-	-
802	7635	REPLACEMENT ASR WELL PUMPS & M	4/27/2020	11,118	(11,118)	-	-	-	-	-	-	-	-	-	-	-	-
803	7641	LEAK DETECTOR W/SENSOR	4/27/2020	2,990	-	2,990	-	-	1,495	-	-	-	1,495	-	-	-	-
804	7642	PURCHASE OF NEW DAMPER	7/14/2020	3,700	-	3,700	-	-	1,850	-	-	-	1,850	-	-	-	-
805	7643	REPAIR ABS MIXER	4/27/2020	1,982	(1,982)	-	-	-	-	-	-	-	-	-	-	-	-
806	7644	3" PIERCING TOOL ASSEMBLY	6/1/2020	4,382	-	4,382	-	-	-	-	-	-	-	-	-	-	4,382
807	7645	REPLACEMENT CHEMICAL FEED PUMP	4/27/2020	1,993	(1,993)	-	-	-	-	-	-	-	-	-	-	-	-
808	7646	SWTP Liquid Level Indicator -	6/29/2020	11,630	-	11,630	-	-	11,630	-	-	-	-	-	-	-	-
809	7647	REPLACEMENT LIFT STATION PUMP	4/27/2020	5,497	(5,497)	-	-	-	-	-	-	-	-	-	-	-	-
810	7648	NWP MCC Room AC Unit	6/29/2020	11,277	-	11,277	-	-	11,277	-	-	-	-	-	-	-	-
811	7650	REPAIR ABS 10 HP PUMP	5/18/2020	2,473	(2,473)	-	-	-	-	-	-	-	-	-	-	-	-
812	7653	REPAIR 200HP MOTOR	6/1/2020	1,833	(1,833)	-	-	-	-	-	-	-	-	-	-	-	-
813	7655	REPLACEMENT VALVE ACTUATOR	6/29/2020	4,977	(4,977)	-	-	-	-	-	-	-	-	-	-	-	-
814	7656	REPAIR 200HP MOTOR	6/1/2020	9,326	(9,326)	-	-	-	-	-	-	-	-	-	-	-	-
815	7657	CONCRETE PAD FOR LS CONTROL PANEL	7/14/2020	2,993	-	2,993	-	-	-	-	-	-	-	-	2,993	-	-
816	7658	REPAIR ABS 6.2 HP PUMP	6/29/2020	2,760	(2,760)	-	-	-	-	-	-	-	-	-	-	-	-
817	7659	Surface 3 Laptops for Utilities	6/1/2020	6,400	-	6,400	-	-	-	-	-	-	-	-	-	-	6,400
818	7660	REPAIR ABS 12 HP PUMP	6/29/2020	4,985	(4,985)	-	-	-	-	-	-	-	-	-	-	-	-
819	7663	REPLACEMENT DIAPHRAGM PUMP	6/22/2020	2,462	(2,462)	-	-	-	-	-	-	-	-	-	-	-	-
820	7664	WETWELL WIZARD AERATION SYSTEM	6/22/2020	4,739	-	4,739	-	-	-	-	-	-	4,739	-	-	-	-
821	7666	REPAIR OF 350HP MOTOR	6/29/2020	20,247	(20,247)	-	-	-	-	-	-	-	-	-	-	-	-
822	7667	REPAIR OF 350HP MOTOR	9/18/2020	14,368	(14,368)	-	-	-	-	-	-	-	-	-	-	-	-
823	7675	RO PLANT HIGH SERVICE PUMP	6/29/2020	3,240	-	3,240	-	-	3,240	-	-	-	-	-	-	-	-
824	7676	REPLACEMENT POWER FEEDERS	7/22/2020	9,750	(9,750)	-	-	-	-	-	-	-	-	-	-	-	-
825	7677	REPLACEMENT MAG FLOW METERS	8/20/2020	6,640	(6,640)	-	-	-	-	-	-	-	-	-	-	-	-
826	7680	REPAIR 350HP MOTOR FOR SWTP	8/20/2020	16,254	(16,254)	-	-	-	-	-	-	-	-	-	-	-	-
827	7682	REPLACEMENT LS PUMP FOR RWPF	8/5/2020	8,280	(8,280)	-	-	-	-	-	-	-	-	-	-	-	-
828	7683	REPAIR OF 200HP MOTOR	8/5/2020	8,174	(8,174)	-	-	-	-	-	-	-	-	-	-	-	-
829	7686	REPAIR ABS 14HP PUMP	8/5/2020	2,337	(2,337)	-	-	-	-	-	-	-	-	-	-	-	-
830	7692	SWTP RO Membrane Replacement	4/20/2020	85,516	(85,516)	-	-	-	-	-	-	-	-	-	-	-	-
831	7693	CONCRETE PAD AND WALKWAYS LS-36	9/4/2020	3,738	-	3,738	-	-	-	-	-	-	-	-	3,738	-	-
832	7695	VID AT RWPF	9/30/2020	8,806	-	8,806	-	-	-	-	-	-	8,806	-	-	-	-
833	7704	REPAIR OF ABS PUMP FOR LS-8	11/4/2019	4,651	(4,651)	-	-	-	-	-	-	-	-	-	-	-	-
834	7705	SURFACE LAPTOPS FOR UTILITIES	5/18/2020	3,200	-	3,200	-	-	-	-	-	-	-	-	-	-	-
835	7713	NEPTUNE RADIO READ BELT CLIPS	9/30/2021	4,914	-	4,914	-	-	-	2,457	-	-	-	-	-	2,457	-
836	7714	NEPTUNE RADIO READ SOFTWARE	9/30/2021	3,250	-	3,250	-	-	-	-	1,625	-	-	-	-	1,625	-
837	7719	INDUSTRIAL CEILING FAN - C&D	9/30/2021	8,720	-	8,720	-	-	-	4,360	-	-	-	-	-	4,360	-
838	7720	REPAIR OF EQ BLOWER	9/30/2021	5,110	(5,110)	-	-	-	-	-	-	-	-	-	-	-	-
839	7721	REPAIR OF 200HP HSP MOTOR	9/30/2021	2,481	(2,481)	-	-	-	-	-	-	-	-	-	-	-	-
840	7725	EMERGENCY BATTERY BACKUP	9/30/2021	3,646	(3,646)	-	-	-	-	-	-	-	-	-	-	-	-
841	7727	SOURCE WATER GENERATOR	10/1/2020	183,181	-	183,181	183,181	-	-	-	-	-	-	-	-	-	-
842	7731	CONTROL PANEL UPGRADES	8/30/2021	7,201	-	7,201	-	-	3,600	-	-	-	-	3,600	-	-	-
843	7733	METER READ WAND	9/30/2021	1,400	-	1,400	-	-	-	-	-	-	-	-	-	-	1,400
844	7734	MAGNETIC BASE DRILL	6/30/2021	1,494	-	1,494	-	-	-	-	-	-	-	-	-	-	1,494
845	7735	LS-40 VALVE VAULT AND WETWELL	8/30/2021	1,562	-	1,562	-	-	-	-	-	-	-	-	1,562	-	-
846	7736	TS 800 CONCRETE SAW	2/28/2021	1,343	-	1,343	-	-	-	-	-	-	-	-	-	-	1,343

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							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Efl./Recl.	Transmission		Collection & Direct Recl.	
847	7737	4" CHECK VALVES VALVE BOX REPLMT	7/31/2021	3,462	-	3,462	-	-	-	-	1,731	-	-	-	-	-	1,731	-
848	7744	COMPLETE AQUA TAP KIT W/DRILL	12/30/2020	2,195	-	2,195	-	-	-	-	-	-	-	-	-	-	-	2,195
849	7752	FIRE ALARM RWPF HEADWORKS ELEC ROOM	11/18/2020	5,521	-	5,521	-	-	-	-	-	-	5,521	-	-	-	-	-
850	7753	FIRE ALARM MIWW GENERATOR BLDG	11/18/2020	5,842	-	5,842	-	-	-	-	-	-	-	5,842	-	-	-	-
851	7754	FIRE ALARM NWP ADMIN BLDG	12/1/2020	10,229	-	10,229	-	-	10,229	-	-	-	-	-	-	-	-	-
852	7755	FIRE ALARM NWP HIGH SERVICE PUMP	12/1/2020	9,253	-	9,253	-	-	9,253	-	-	-	-	-	-	-	-	-
853	7756	FIRE ALARM NWP DIESEL GEN ENCLOSURE	12/1/2020	3,127	-	3,127	-	-	3,127	-	-	-	-	-	-	-	-	-
854	7757	FIRE ALARM RWPF SWITCHGEAR BLDG	12/1/2020	6,400	-	6,400	-	-	6,400	-	-	-	6,400	-	-	-	-	-
855	7758	FIRE ALARM RWPFMCC-2	12/1/2020	5,873	-	5,873	-	-	5,873	-	-	-	5,873	-	-	-	-	-
856	7766	C/D 2021 CHEVY SILVERADO 3500	4/8/2021	79,106	-	79,106	-	-	79,106	-	-	-	-	-	-	-	-	79,106
857	7773	HANDWHEEL ACTUATOR	10/28/2020	12,342	-	12,342	-	-	6,171	-	-	-	6,171	-	-	-	-	-
858	7774	TOUCHSCREEN PANELS NWTP LIME SLAKERS	11/18/2020	5,503	(5,503)	-	-	-	-	-	-	-	-	-	-	-	-	-
859	7775	REPLACEMENT HYDRAULIC PUMP	11/2/2020	7,282	(7,282)	-	-	-	-	-	-	-	-	-	-	-	-	-
860	7778	MAGNETIC FLOW METER	11/2/2020	24,357	-	24,357	-	-	24,357	-	-	-	-	-	-	-	-	-
861	7779	ROTARY LOBE PUMP	11/1/2020	25,074	-	25,074	-	-	25,074	-	-	-	-	-	-	-	-	-
862	7780	75 HP RAW WATER PUMP	10/8/2020	9,820	-	9,820	9,820	-	-	-	-	-	-	-	-	-	-	-
863	7781	REPAIR OF 75HP MOTOR	10/8/2020	4,308	(4,308)	-	-	-	-	-	-	-	-	-	-	-	-	-
864	7782	REPLACEMENT SLUDGE PUMPS	11/2/2020	10,095	(10,095)	-	-	-	-	-	-	-	-	-	-	-	-	-
865	7783	SPARE RAS MOTOR	10/8/2020	3,581	-	3,581	-	-	-	-	-	-	-	-	-	-	-	3,581
866	7784	REPAIR OF 14HP ABS PUMP	11/11/2020	2,086	(2,086)	-	-	-	-	-	-	-	-	-	-	-	-	-
867	7785	REPAIR ABS 12HP PUMP	11/11/2020	3,608	(3,608)	-	-	-	-	-	-	-	-	-	-	-	-	-
868	7786	REPAIR 350HP MOTOR FOR SWTP	11/11/2020	9,482	(9,482)	-	-	-	-	-	-	-	-	-	-	-	-	-
869	7787	PERMEATE FLOW METER	10/28/2020	7,601	-	7,601	-	-	3,801	-	-	-	-	-	3,801	-	-	-
870	7789	AERZEN BLOWER	11/2/2020	19,282	-	19,282	-	-	-	-	-	-	-	-	-	-	-	19,282
871	7790	2021 Chevy Silverado 2500 UT308	4/8/2021	37,429	-	37,429	-	-	-	-	-	-	-	-	-	-	-	37,429
872	7791	2021 Chevy Silverado 1500 UT 109	2/8/2021	26,497	-	26,497	-	-	-	-	-	-	-	-	-	-	-	26,497
873	7792	2021 Chevy Silverado 1500 UT 110	2/11/2021	25,807	-	25,807	-	-	-	-	-	-	-	-	-	-	-	25,807
874	7793	REPLACEMENT PUMP FOR LS-11	11/11/2020	14,714	(14,714)	-	-	-	-	-	-	-	-	-	-	-	-	-
875	7794	SWTP RO MEMBRANE REPLACEMENT	11/11/2021	78,989	(78,989)	-	-	-	-	-	-	-	-	-	-	-	-	-
876	7796	METER REPLACEMENT PROGRAM	8/16/2021	345,325	-	345,325	-	-	-	-	-	345,325	-	-	-	-	-	-
877	7797	2021 Chevy Silverado 3500 UT 437	4/8/2021	41,331	-	41,331	-	-	-	-	-	-	-	-	-	-	-	41,331
878	7800	INSTALL NEW VFD CONTROL PANEL,	9/1/2021	48,383	-	48,383	-	-	24,192	-	-	-	-	-	24,192	-	-	-
879	7801	REPAIR OF ABS 28HP PUMP	11/11/2020	3,670	(3,670)	-	-	-	-	-	-	-	-	-	-	-	-	-
880	7802	REPAIR ABS 25HP LS PUMP	10/8/2020	3,724	(3,724)	-	-	-	-	-	-	-	-	-	-	-	-	-
881	7803	REPLACEMENT ABS 10HP PUMP	10/8/2020	8,798	(8,798)	-	-	-	-	-	-	-	-	-	-	-	-	-
882	7806	SEAL ADAPTER PLATE	11/11/2020	6,927	(6,927)	-	-	-	-	-	-	-	-	-	-	-	-	-
883	7807	REPAIR OF ABS 28HP LS PUMP	1/20/2021	6,273	(6,273)	-	-	-	-	-	-	-	-	-	-	-	-	-
884	7809	PRESSURE TRANSMITTER	12/1/2020	6,588	-	6,588	-	-	-	-	-	-	-	-	6,588	-	-	-
885	7812	O & M BUILDING FIRE PROTECTION SYSTEM	12/14/2020	2,800	-	2,800	350	350	350	350	-	-	350	350	350	350	-	-
886	7813	NWTP PALL Membrane Filtration	1/26/2021	333,929	-	333,929	-	-	333,929	-	-	-	-	-	-	-	-	-
887	7816	Polaris Ranger 570 UT 205	1/4/2021	11,185	-	11,185	-	-	-	-	-	-	-	-	-	-	-	11,185
888	7819	REPAIR OF ABS 10HP PUMP	12/8/2020	2,738	(2,738)	-	-	-	-	-	-	-	-	-	-	-	-	-
889	7823	NWTP 5 TON BARD A/C UNIT	3/22/2021	11,100	-	11,100	-	-	11,100	-	-	-	-	-	-	-	-	-
890	7824	RWPF SLUDGE BUILDING AC	2/8/2021	9,737	-	9,737	-	-	-	-	-	-	9,737	-	-	-	-	-
891	7825	MEDIA IN ODOR CONTROL	2/11/2021	10,466	(10,466)	-	-	-	-	-	-	-	-	-	-	-	-	-
892	7826	BERMAD VALVE	6/8/2021	13,204	-	13,204	-	-	6,602	-	-	-	6,602	-	-	-	-	-
893	7828	CL2 PUMP	1/4/2021	3,381	(3,381)	-	-	-	-	-	-	-	-	-	-	-	-	-
894	7829	WAFER SILENT CHECK VALVE	2/11/2021	7,221	-	7,221	-	-	3,611	-	-	-	3,611	-	-	-	-	-
895	7831	QNAP SAN	2/8/2021	2,960	-	2,960	-	-	-	-	-	-	-	-	-	-	-	2,960
896	7832	PUMP FOR LS-15	3/1/2021	27,923	-	27,923	-	-	-	-	-	-	-	-	27,923	-	-	-
897	7833	REPAIR OF EQ BLOWER	2/11/2021	6,878	(6,878)	-	-	-	-	-	-	-	-	-	-	-	-	-
898	7834	REPAIR KITS FOR THE RAW WATER	1/11/2021	8,693	(8,693)	-	-	-	-	-	-	-	-	-	-	-	-	-
899	7835	FEEDER CABLES FOR RO	2/11/2021	11,750	-	11,750	-	-	11,750	-	-	-	-	-	-	-	-	-
900	7843	EQ BLOWER	5/18/2021	7,663	-	7,663	-	-	-	-	-	-	-	-	-	-	-	7,663
901	7844	REPLACEMENT ABS 12HP PUMP	5/18/2021	9,413	(9,413)	-	-	-	-	-	-	-	-	-	-	-	-	-
902	7846	REPAIR OF MBR BLOWER	5/10/2021	10,876	(10,876)	-	-	-	-	-	-	-	-	-	-	-	-	-
903	7848	CAUSTIC TANK HEATER	5/3/2021	15,333	-	15,333	-	-	15,333	-	-	-	-	-	-	-	-	-
904	7849	VFD FOR ODOR CONTR	2/11/2021	3,440	-	3,440	-	-	-	-	-	-	3,440	-	-	-	-	-
905	7854	HUBER DRUM SCREEN PARTS	5/18/2021	17,135	(17,135)	-	-	-	-	-	-	-	-	-	-	-	-	-
906	7856	REPAIR ABS 85HP PUMP	6/9/2021	9,793	(9,793)	-	-	-	-	-	-	-	-	-	-	-	-	-
907	7859	PD BLOWER	3/1/2021	12,269	-	12,269	-	-	-	-	-	-	-	-	-	-	-	12,269
908	7864	WATER BOOSTER PUMP	5/3/2021	2,292	-	2,292	-	-	-	2,292	-	-	-	-	-	-	-	-
909	7865	WELDING MACHING	4/8/2021	3,596	-	3,596	-	-	-	-	-	-	-	-	-	-	-	3,596
910	7868	ABS 10HP PUMPS	3/4/2021	18,081	-	18,081	-	-	-	-	-	-	-	18,081	-	-	-	-
911	7870	REPAIR ABS 14HP LS PUMP	3/22/2021	2,518	(2,518)	-	-	-	-	-	-	-	-	-	-	-	-	-
912	7871	ABS MANHOLE PUMPS	3/12/2021	4,746	-	4,746	-	-	-	-	-	-	-	-	-	-	4,746	-
913	7872	REPAIR OF ABS 10HP LS PUMP HAMMOCK BAY	3/22/2021	3,114	(3,114)	-	-	-	-	-	-	-	-	-	-	-	-	-
914	7873	PALADIN WELDO HYDRAULIC THUMB W BRACKET	4/22/2021	1,850	-	1,850	-	-	-	-	-	-	-	-	-	-	-	1,850
915	7874	EMERGENCY REPAIR OF 400HP ASR	5/18/2021	15,915	(15,915)	-	-	-	-	-	-	-	-	-	-	-	-	-
916	7875	PD BLOWER	4/12/2021	12,269	-	12,269	-	-	-	-	-	-	-	-	-	-	-	12,269
917	7876	REPAIR ABS 10HP PUMP	3/22/2021	1,870	(1,870)	-	-	-	-	-	-	-	-	-	-	-	-	-
918	7878	REPAIR OF 14HP ABS PUMP	5/3/2021	1,997	(1,997)	-	-	-	-	-	-	-	-	-	-	-	-	-
919	7881	NTU METER	3/22/2021	1,823	-	1,823	-	-	-	-	-	1,823	-	-	-	-	-	-
920	7883	RWPF Effluent Transfer Pumps	4/5/2021	2,990	-	2,990	-	-	-	-	-	-	2,990	-	-	-	-	-
921	7885	MONITORING WELL PUMP	6/3/2021	3,524	-	3,524	3,524	-	-	-	-	-	-	-	-	-	-	-
922	7886	BLOWER FOR THE RWP	5/18/2021	14,759	-	14,759	-	-	-	-	-	-	14,759	-	-	-	-	-
923	7887	HYDRONPNEUMATIC TANK	6/9/2021	11,132	-	11,132	-	-	5,566	-	-	-	-	-	-	-	-	-

Table 1
City of Marco Island, Florida
Water and Sewer Impact Fee Study
Summary of Existing Utility Assets

Line No.	Asset Number	Description	Acquired Date	Acquisition Amount	Adjustments	Adj. Acq. Amt.	Water System						Sewer System				General Plant	
							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Effl./Recl.	Transmission	Collection & Direct Recl.		
924	7892	REGULATOR AND KITS	4/5/2021	3,103	(3,103)	-	-	-	-	-	-	-	-	-	-	-	-	-
925	7894	2 ABS GRINDER PUMPS	4/12/2021	3,735	-	3,735	-	-	-	-	-	-	-	-	-	-	3,735	-
926	7895	EQ BLOWER	7/2/2021	8,878	-	8,878	-	-	-	-	-	-	-	-	-	-	-	8,878
927	7896	REPAIR OF ABS 24.8HP PUMP	4/22/2021	2,054	(2,054)	-	-	-	-	-	-	-	-	-	-	-	-	-
928	7897	REPAIR OF ABS 10HP LS PUMP	5/3/2021	2,718	(2,718)	-	-	-	-	-	-	-	-	-	-	-	-	-
929	7899	NWTP Generator painting	6/1/2021	2,999	(2,999)	-	-	-	-	-	-	-	-	-	-	-	-	-
930	7900	SWF CAT DIESEL ENGINE DIESEL PUMP IMPROV	4/12/2021	4,080	-	4,080	-	4,080	-	-	-	-	-	-	-	-	-	-
931	7901	REPAIR OF ABS 12HP LS PUMP	5/10/2021	3,754	(3,754)	-	-	-	-	-	-	-	-	-	-	-	-	-
932	7902	TURBO INTERCOOLER	5/3/2021	3,271	-	3,271	-	1,636	-	-	-	-	1,636	-	-	-	-	-
933	7906	LIFT STATION #1 PUMP	6/21/2021	8,281	-	8,281	-	-	-	-	-	-	-	-	8,281	-	-	-
934	7911	REPAIR OF ABS 17.4HP LS PUMP	6/1/2021	5,985	(5,985)	-	-	-	-	-	-	-	-	-	-	-	-	-
935	7914	SWTP RO Bay industrial ceiling fans	6/21/2021	19,490	-	19,490	-	19,490	-	-	-	-	-	-	-	-	-	-
936	7916	INSTRUMENTATION FOR RWPF SLUDGE HOLDING	6/1/2021	14,088	-	14,088	-	-	-	-	-	-	14,088	-	-	-	-	-
937	7917	ABS PUMP	5/18/2021	15,850	-	15,850	-	-	-	-	-	-	-	-	-	15,850	-	-
938	7918	SWTP BRINE WETWELL ABS 40HP PUMP	6/1/2021	15,818	-	15,818	-	-	-	-	-	-	-	-	-	15,818	-	-
939	7920	15 YARD DEWATERING CONTAINER	8/16/2021	15,950	-	15,950	-	-	-	-	-	-	15,950	-	-	-	-	-
940	7922	SS CHECK VALVES	7/2/2021	11,565	-	11,565	-	-	-	-	-	-	-	-	-	11,565	-	-
941	7923	REPAIR ABS 47HP PUMP	9/30/2021	6,523	(6,523)	-	-	-	-	-	-	-	-	-	-	-	-	-
942	7924	BOOSTER PUMP	7/2/2021	3,183	-	3,183	-	-	3,183	-	-	-	-	-	-	-	-	-
943	7925	AC UNITS FOR CONTROL PANELS	6/21/2021	18,162	-	18,162	-	-	9,081	-	-	-	-	-	-	9,081	-	-
944	7926	BIOMETRIC TIME CLOCKS	7/12/2021	8,595	-	8,595	-	-	-	-	-	-	-	-	-	-	-	8,595
945	7929	C&D Vacuum Truck UT 438	8/16/2021	448,075	-	448,075	-	-	-	-	-	-	-	-	-	-	-	448,075
946	7930	REPAIR ABS 2.7HP LS PUMP	6/9/2021	1,710	(1,710)	-	-	-	-	-	-	-	-	-	-	-	-	-
947	7934	SIMS PUMP IMPELLER	7/15/2021	2,531	(2,531)	-	-	-	-	-	-	-	-	-	-	-	-	-
948	7936	PORTABLE GENERATOR CABLE	7/15/2021	5,733	-	5,733	-	-	-	-	-	-	-	-	-	-	-	5,733
949	7937	CONTROL PANEL LS-78	9/13/2021	15,745	-	15,745	-	-	-	-	-	-	-	-	15,745	-	-	-
950	7938	SIMS PUMP & MOTOR	9/30/2021	14,115	(14,115)	-	-	-	-	-	-	-	-	-	-	-	-	-
951	7940	REPAIR OF ABS 10HP PUMP	7/12/2021	3,016	(3,016)	-	-	-	-	-	-	-	-	-	-	-	-	-
952	7941	ABS 10HP LS PUMP	7/2/2021	9,515	-	9,515	-	-	-	-	-	-	-	-	9,515	-	-	-
953	7943	GE PANAMETRICS FLOWMETER	7/30/2021	10,803	-	10,803	-	5,402	-	-	-	-	5,402	-	-	-	-	-
954	7946	VFD FOR ASR WELL	9/1/2021	6,999	-	6,999	-	6,999	-	-	-	-	-	-	-	-	-	-
955	7947	LS-33 IMPROVEMENTS	8/27/2021	7,071	-	7,071	-	-	-	-	-	-	-	-	7,071	-	-	-
956	7948	REPAIR SWTP HSP D 200HP MOTOR	7/16/2021	6,681	(6,681)	-	-	-	-	-	-	-	-	-	-	-	-	-
957	7949	HUSKY CL2 PUMPS	9/13/2021	2,039	-	2,039	-	2,039	-	-	-	-	-	-	-	-	-	-
958	7950	AO SLUDGE PUMP	8/16/2021	2,673	-	2,673	-	-	-	-	-	-	-	-	-	2,673	-	-
959	7951	PUMP REPAIR KIT FOR GRACO 3300	7/28/2021	2,274	-	2,274	-	-	-	-	-	-	-	-	-	2,274	-	-
960	7952	MANHOLE STATION PUMP	9/13/2021	2,131	-	2,131	-	-	-	-	-	-	-	-	-	2,131	-	-
961	7954	CyberPower Replacement Battery	9/13/2021	3,950	-	3,950	-	-	-	-	-	-	-	-	-	-	-	3,950
962	7956	REPAIR OF ABS 28HP PUMP	7/30/2021	4,238	(4,238)	-	-	-	-	-	-	-	-	-	-	-	-	-
963	7957	REPAIR OF ABS 84.5HP LS PUMP	8/27/2021	7,999	(7,999)	-	-	-	-	-	-	-	-	-	-	-	-	-
964	7958	REPAIR OF ABS 12HP PUMP	8/27/2021	4,309	(4,309)	-	-	-	-	-	-	-	-	-	-	-	-	-
965	7959	REPAIR OF ABS 12HP PUMP	8/27/2021	2,160	(2,160)	-	-	-	-	-	-	-	-	-	-	-	-	-
966	7960	REPAIR ABS 70HP MPS PUMP	9/13/2021	2,262	(2,262)	-	-	-	-	-	-	-	-	-	-	-	-	-
967	7961	QUICKDRAFT DUST BLOWERS	9/13/2021	10,384	-	10,384	-	-	-	-	-	-	-	-	-	-	-	10,384
968	7962	PUMP MOTOR SOFTSTART	7/30/2021	1,607	-	1,607	-	-	-	-	-	-	-	-	-	-	-	1,607
969	7963	RWPF Deep Well Injection pumps	9/13/2021	2,950	-	2,950	-	-	-	-	-	-	2,950	-	-	-	-	-
970	7965	REPAIR 10HP ABS LS PUMP	9/1/2021	1,751	(1,751)	-	-	-	-	-	-	-	-	-	-	-	-	-
971	7967	REPLACEMENT ABS 10HP LS PUMP	9/1/2021	9,515	(9,515)	-	-	-	-	-	-	-	-	-	-	-	-	-
972	7968	WELL PUMP MOTORS	9/30/2021	6,766	-	6,766	6,766	-	-	-	-	-	-	-	-	-	-	-
973	7971	WAND	9/14/2021	1,400	-	1,400	-	-	-	-	-	-	-	-	-	-	-	1,400
974	874	ADG UTIL BILLING SYSTEM	12/7/2000	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
975	7518	WINTERBERRY/COLLIER TRAFFIC SIGNAL	9/4/2019	105,355	-	105,355	-	-	-	-	-	-	-	-	-	-	-	105,355
976	6332	ESTATES SEWER ASSESSMENT DISTRICT	9/30/2014	7,328	(7,328)	-	-	-	-	-	-	-	-	-	-	-	-	-
977	6732	INSTALLATION OF ASPHALT REPAIR	1/4/2016	7,730	-	7,730	-	-	-	-	-	-	-	-	-	-	-	7,730
978	6734	EMERGENCY GRAVITY SEWER MAIN HIDEAWAY BC	1/4/2016	29,637	-	29,637	-	-	-	-	-	-	-	-	-	29,637	-	-
979	6921	SEWER AND MANHOLE MAINT	12/19/2016	363,185	-	363,185	-	-	-	-	-	-	-	-	-	363,185	-	-
980	7039	REPAIR SEWER LATERAL - 1578 SAN MARCO RD	8/14/2017	8,091	-	8,091	-	-	-	-	-	-	-	-	-	8,091	-	-
981	7080	FORCE MAIN R&R ON BRIDGE-ISLE of CAPRI	2/13/2018	29,109	(29,109)	-	-	-	-	-	-	-	-	-	-	-	-	-
982	7081	GALLEON BRIDGE WATER MAIN	7/16/2018	76,926	-	76,926	-	-	76,926	-	-	-	-	-	-	-	-	-
983	7176	HIDEAWAY BEACH SEWER	6/4/2018	43,151	-	43,151	-	-	-	-	43,151	-	-	-	-	-	-	-
984	7198	SEWER FORCE MAIN LANDMARK & WINTERBERRY	6/7/2018	75,134	-	75,134	-	-	-	-	-	-	-	-	75,134	-	-	-
985	7322	MANHOLE LINING	9/23/2019	385,645	-	385,645	-	-	-	-	-	-	-	-	-	385,645	-	-
986	7540	MAIN IMPROVEMENTS	6/29/2020	7,890	-	7,890	-	-	-	7,890	-	-	-	-	-	-	-	-
987	7560	12 inch Water Main Improvement - N Barfi	1/2/2020	49,547	-	49,547	-	-	49,547	-	-	-	-	-	-	-	-	-
988	7613	COLLIER & CAPRI 16" REUSE MAIN	2/25/2020	82,747	-	82,747	-	-	-	-	-	-	-	82,747	-	-	-	-
989	6626	NWTP & RWPF PHASE 5 PART A IMPROVEMENTS	4/25/2016	813,290	-	813,290	-	-	-	-	-	-	-	-	-	-	-	813,290
Construction in Progress as of September 30, 2021																		
990		Water Main Improvements - Century Bridge		\$ 3,528	(3,528)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
991		Water Main Improvements - N. Collier Blvd		17,359	-	-	-	-	-	-	-	-	-	-	-	-	-	-
992		Water Main Improvements - Creek Bridge Project		19,909	(19,909)	-	-	-	-	-	-	-	-	-	-	-	-	-
993		Well Maintenance Program		158,940	-	-	-	-	-	-	-	-	-	-	-	-	-	-
994		VFD Control Room A/C		71,500	(71,500)	-	-	-	-	-	-	-	-	-	-	-	-	-
995		Collection & Distributions Work Ctr		99,110	-	-	-	-	-	-	-	-	-	-	-	-	-	-
996		NWTP Lime/Membrane Trmt Plant		1,144,402	(1,144,402)	-	-	-	-	-	-	-	-	-	-	-	-	-
997		Portable Generators		64,546	-	-	-	-	-	-	-	-	-	-	-	-	-	-
998		High Voltage Switch Gear		51,715	(51,715)	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1
City of Marco Island, Florida
Water and Sewer Impact Fee Study
Summary of Existing Utility Assets

Line No.	Asset Number	Description	Acquired Date	Acquisition Amount	Adjustments	Adj. Acq. Amt.	Water System					Sewer System			General Plant		
							Supply	Treatment	Transmission	Distribution	Fire Hydrants	Meters	Treatment	Efl./Recl.		Transmission	Collection & Direct Recl.
999		Multi Departmental Building		28,784	(28,784)	-	-	-	-	-	-	-	-	-	-	-	-
1,000		NWTP MBR Wind Retrofit		182,561	(182,561)	-	-	-	-	-	-	-	-	-	-	-	-
1,001		Goldenrod Bridge Water Main Rep		92,965	(92,965)	-	-	-	-	-	-	-	-	-	-	-	-
1,002		TOTAL SYSTEM ASSETS - CURRENTLY REPORTED		\$ 300,903,615	\$ (95,430,976)	\$ 205,472,639	\$ 18,594,814	\$ 53,155,017	\$ 25,695,113	\$ 539,372	\$ 15,229	\$ 913,636	\$ 60,390,663	\$ 2,505,777	\$ 36,919,056	\$ 2,186,298	\$ 4,557,665
1,003		ALLOCATION OF OTHER DEVELOPER CONTRIBUTIONS				-	-	-	-	-	-	-	-	-	-	-	-
1,004		ALLOCATION OF INDIRECT PLANT				-	-	-	-	-	-	-	-	-	-	-	-
1,005		TOTAL ASSETS FOR IMPACT FEE DETERMINATION		\$ 300,903,615	\$ (95,430,976)	\$ 205,472,639	\$ 18,594,814	\$ 53,155,017	\$ 25,695,113	\$ 539,372	\$ 15,229	\$ 913,636	\$ 60,390,663	\$ 2,505,777	\$ 36,919,056	\$ 2,186,298	\$ 4,557,665
1,006						100.00%	9.05%	25.87%	12.51%	0.26%	0.01%	0.44%	29.39%	1.22%	17.97%	1.06%	2.22%
1,007		TOTAL PLANT ASSETS CONSIDERED AS DONATIONS / CONTRIBUTIONS				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Amounts shown are derived from the fixed asset register provided by the City; amounts reported as of September 30, 2021. Amounts are classified to plant functions based on i) fixed asset description and cost center / location; ii) relevance of fixed asset; and iii) ratemaking judgment.

Table 2

City of Marco Island, Florida
Water and Sewer Impact Fee Study

Existing Facility Capacity Available to Serve System Growth

Line No.	Description	Water System	Sewer System
	Existing Plant Capacity of System (MGD):		
1	North Water Treatment Plant - Peak Day [1]	6.670	N/A
2	South Water Treatment Plant - Peak Day [1]	6.000	N/A
3	Sewer Treatment Plant - Maximum Three-Month ADF [2]	N/A	4.920
4	Total Production/Treatment	12.670	4.920
5	Peaking Factor [3]	1.4	1.3
6	Adjustment to Reflect Average Daily Flow of Plant Capacity	(3.620)	(1.135)
	Existing Plant Capacity of System (MGD):		
7	Existing Water Plant - Average Daily Flow [4]	9.050	N/A
8	Existing Sewer Plant - Average Daily Flow [4]	N/A	3.785
9	Total Production/Treatment	9.050	3.785
10	Existing Water Consumptive Use Permit [5]	13.160	N/A
11	Average Daily Flow [6]	8.438	2.049
12	Estimated Remaining Capacity (ADF) at Existing Facilities	0.612	1.736
13	Percent of Total Capacity Allocable to Growth	6.77%	45.86%
	Capital Costs of Production/Treatment Facilities:		
14	Existing City-Owned Facility Costs [8]	\$ 71,749,830	\$ 62,896,440
15	Additional Costs [9]	3,614,333	683,333
16	Less Assumed Retirements [9]	-	-
17	Less Grant Funds and Other Contributions [10]	-	-
18	Total Capital Costs of Existing Facilities	75,364,164	63,579,773
19	Estimated Amount Allocable to Incremental Growth	\$ 5,099,210	\$ 29,158,035

MGD = Million Gallons Per Day

ADF = Average Daily Flow

Footnotes on following page.

Table 2

**City of Marco Island, Florida
Water and Sewer Impact Fee Study**

Existing Facility Capacity Available to Serve System Growth

Footnotes:

- [1] Reflects permitted capacity of the City's two water treatment plants expressed on a peak day basis.
- [2] Reflects permitted sewer system capacity of the Marco Island sewer treatment plant expressed on a maximum three-month average daily flow basis as provided by the City.
- [3] The peaking factors were based on discussions with City staff and a review of historical flow data.
- [4] Reflects water and sewer system capacity expressed on an average daily flow basis.
- [5] Reflects City's current water consumptive use permit from the South Florida Water Management District.
- [6] Average daily flow data calculated as follows:

Water System:

Fiscal Year	Total Water Flow (MGD)
2017	7.935
2018	8.080
2019	8.191
2020	8.206
2021	8.438
Five-Year Maximum	8.438

Fiscal Year	Peak Day Flow (MGD)	Peaking Factor
2017	11.046	1.392
2018	11.276	1.396
2019	11.821	1.443
2020	11.165	1.361
2021	11.626	1.378
Water System Peaking Factor Used for Analysis		1.400

Sewer System:

Fiscal Year	Total Wastewater Flow (MGD)
2020	1.969
2021	2.049
Maximum	2.049

Fiscal Year	Max 3MADF Flow (MGD)	Peaking Factor
2020	2.670	1.356
2021	2.728	1.331
Wastewater System Peaking Factor Used for Analysis	-	1.300

- [7] Derived from Table 1, Line 1005.
- [8] Derived from Table 4, Lines 6 and 13.
- [9] Derived from Table 1, Line 1007.

Table 3
City of Marco Island, Florida
Water and Sewer Impact Fee Study

Summary of Capital Improvement Program By Function Through Fiscal Year 2026

Line No.	Project Description	Estimated Total Capital Cost	Adjustments to Remove General-Related Project Costs	Adjustments to Remove Project Costs Considered 100% Allocable to Existing Users	Net Amount For Future Expenditures	Allocation Reference	Functional Category		
							Supply and Treatment	Storage, Pumping and Transmission	Distribution and Collection
WATER SYSTEM CAPITAL IMPROVEMENT PROGRAM									
1	Meter Replacement	\$ 1,000,000	\$ -	\$ (1,000,000)	\$ -	N/A	\$ -	\$ -	\$ -
2	RO Membrane Replacement	250,000	-	(250,000)	-	N/A	-	-	-
3	MBR Membrane Replacement	360,000	-	(360,000)	-	N/A	-	-	-
4	Corrosion Inhibition Program	150,000	-	(150,000)	-	N/A	-	-	-
5	Vehicle Replacement	360,000	(360,000)	-	-	N/A	-	-	-
6	Structural Improvements/Replacement Program	250,000	-	(250,000)	-	N/A	-	-	-
7	Pump Improvements/Replacement Program	375,000	-	(375,000)	-	N/A	-	-	-
8	Site Improvements/Upgrade	250,000	-	(250,000)	-	N/A	-	-	-
9	Main Improvements	1,125,000	-	(1,125,000)	-	N/A	-	-	-
10	Renewal & Replacement - Water	2,250,000	-	(2,250,000)	-	N/A	-	-	-
11	Chemical Storage Tank Replacement Program	62,500	-	(62,500)	-	N/A	-	-	-
12	NWTP Membrane Replacement	420,000	-	(420,000)	-	N/A	-	-	-
13	Well Maintenance Program	1,500,000	-	(1,500,000)	-	N/A	-	-	-
14	Biological Pre-treatment Filters	2,751,000	-	-	2,751,000	Treatment	2,751,000	-	-
15	Upsize Raw Water Piping from RO wells 17 to 19	460,000	-	-	460,000	Treatment	460,000	-	-
16	Forklift Replacement	162,500	(162,500)	-	-	N/A	-	-	-
17	SWTP RO Building Improvements	500,000	-	(500,000)	-	N/A	-	-	-
18	SWF Lake Intake Debris Catchment	170,000	-	-	170,000	Treatment	170,000	-	-
19	Sand Separator Replacement	400,000	-	(400,000)	-	N/A	-	-	-
20	Multi-departmental Building	250,000	-	-	250,000	UtilAdmin	83,333	83,333	83,333
21	Source Water Pumphouse Replacement	2,700,000	-	(2,700,000)	-	N/A	-	-	-
22	SWTP Odor Control Replacement	1,400,000	-	(1,400,000)	-	N/A	-	-	-
23	House	1,100,000	-	(1,100,000)	-	N/A	-	-	-
24	RO Well Replacement	400,000	-	(400,000)	-	N/A	-	-	-
25	SWF Lake Interconnect Improvements	150,000	-	-	150,000	Treatment	150,000	-	-
26	TOTAL WATER SYSTEM CAPITAL IMPROVEMENT PROGRAM	\$ 18,796,000	\$ (522,500)	\$ (14,492,500)	\$ 3,781,000		\$ 3,614,333	\$ 83,333	\$ 83,333

Table 3
City of Marco Island, Florida
Water and Sewer Impact Fee Study

Summary of Capital Improvement Program By Function Through Fiscal Year 2026

Line No.	Project Description	Estimated Total Capital Cost	Adjustments to Remove General-Related Project Costs	Adjustments to Remove Project Costs Considered 100% Allocable to Existing Users	Net Amount For Future Expenditures	Allocation Reference	Functional Category		
							Supply and Treatment	Storage, Pumping and Transmission	Distribution and Collection
SEWER SYSTEM CAPITAL IMPROVEMENT PROGRAM									
27	Meter Replacement	\$ 1,000,000	\$ -	\$ (1,000,000)	\$ -	N/A	\$ -	\$ -	\$ -
28	Sanitary Sewer Manhole Repair and Lining	800,000	-	(800,000)	-	N/A	-	-	-
29	Corrosion Inhibition Program	150,000	-	(150,000)	-	N/A	-	-	-
30	Lift Station Vault/Valve Replacement	500,000	-	(500,000)	-	N/A	-	-	-
31	Vehicle Replacement	360,000	(360,000)	-	-	N/A	-	-	-
32	Structural Improvements/Replacement Program	250,000	-	(250,000)	-	N/A	-	-	-
33	Replacement Lift Station Control Panels	200,000	-	(200,000)	-	N/A	-	-	-
34	Pump Improvements/Replacement Program	375,000	-	(375,000)	-	N/A	-	-	-
35	Site Improvements/Upgrade	250,000	-	(250,000)	-	N/A	-	-	-
36	Main Improvements	1,125,000	-	(1,125,000)	-	N/A	-	-	-
37	Renewal & Replacement - Sewer	2,250,000	-	(2,250,000)	-	N/A	-	-	-
38	Chemical Storage Tank Replacement Program	62,500	-	(62,500)	-	N/A	-	-	-
39	Screening	272,600	-	-	272,600	Transmission	-	272,600	-
40	Portable Generator Storage	1,300,000	-	-	1,300,000	Distr/Collect	-	-	1,300,000
41	Forklift Replacement	162,500	(162,500)	-	-	N/A	-	-	-
42	Multi-departmental Building	250,000	-	-	250,000	UtilAdmin	83,333	83,333	83,333
43	Sewer camera/grout truck	500,000	(500,000)	-	-	N/A	-	-	-
44	MBR/bridge crane enclosure	500,000	-	-	500,000	Treatment	500,000	-	-
45	RWPF Chlorine Automation	100,000	-	-	100,000	Treatment	100,000	-	-
46	MBR Tank Replacement	1,000,000	-	(1,000,000)	-	N/A	-	-	-
TOTAL SEWER SYSTEM CAPITAL IMPROVEMENT PROGRAM									
47		<u>\$ 11,407,600</u>	<u>\$ (1,022,500)</u>	<u>\$ (7,962,500)</u>	<u>\$ 2,422,600</u>		<u>\$ 683,333</u>	<u>\$ 355,933</u>	<u>\$ 1,383,333</u>
TOTAL WATER AND SEWER CAPITAL IMPROVEMENT PROGRAM									
48		<u>\$ 30,203,600</u>	<u>\$ (1,545,000)</u>	<u>\$ (22,455,000)</u>	<u>\$ 6,203,600</u>		<u>\$ 4,297,667</u>	<u>\$ 439,267</u>	<u>\$ 1,466,667</u>

Table 4

City of Marco Island, Florida
Water and Sewer Impact Fee Study

Summary of Water and Sewer Capital Improvement Program Recognized in System Impact Fees – Fiscal Years 2022 Through 2026

Line No.	Project Description	Adjusted Project Cost [1]	Project Status	Assumed Original In-Service Date [2]	Estimated Original Cost [3]	Amount Recognized [4]			Percent to Recognize for Expansion
						Existing	Expansion	Future / Direct	
WATER TREATMENT PROJECTS									
1	Biological Pre-treatment Filters	\$ 2,751,000	Upgrade	-	-	\$ 2,751,000	-	-	0.00%
2	19	460,000	Upgrade	-	-	460,000	-	-	0.00%
3	SWF Lake Intake Debris Catchment	170,000	Upgrade	-	-	170,000	-	-	0.00%
4	Multi-departmental Building	83,333	Upgrade	-	-	83,333	-	-	0.00%
5	SWF Lake Interconnect Improvements	150,000	Upgrade	-	-	150,000	-	-	0.00%
6	Total Water Treatment Projects	\$ 3,614,333				\$ -	\$ 3,614,333	\$ -	0.00%
WATER MAJOR TRANSMISSION PROJECTS									
7	Multi-departmental Building	\$ 83,333	Upgrade	-	-	\$ 83,333	-	-	0.00%
8	Total Water Major Transmission Projects	\$ 83,333				\$ -	\$ 83,333	\$ -	0.00%
9	TOTAL WATER PROJECTS	\$ 3,697,667				\$ -	\$ 3,697,667	\$ -	0.00%

Table 4

City of Marco Island, Florida
Water and Sewer Impact Fee Study

Summary of Water and Sewer Capital Improvement Program Recognized in System Impact Fees – Fiscal Years 2022 Through 2026

Line No.	Project Description	Adjusted Project Cost [1]	Project Status	Assumed Original In-Service Date [2]	Estimated Original Cost [3]	Amount Recognized [4]			Percent to Recognize for Expansion
						Existing	Expansion	Future / Direct	
SEWER TREATMENT PROJECTS									
10	Multi-departmental Building	\$ 83,333	Upgrade	-	-	\$ 83,333	-	-	0.00%
11	MBR/bridge crane enclosure	500,000	Upgrade	-	-	500,000	-	-	0.00%
12	RWPF Chlorine Automation	100,000	Upgrade	-	-	100,000	-	-	0.00%
13	Total Wastewater Treatment Projects	<u>\$ 683,333</u>			<u>\$ -</u>	<u>\$ 683,333</u>	<u>\$ -</u>	<u>\$ -</u>	<u>0.00%</u>
SEWER MAJOR TRANSMISSION PROJECTS									
14	Screening	\$ 272,600	Upgrade	-	-	\$ 272,600	-	-	0.00%
15	Multi-departmental Building	83,333	Upgrade	-	-	83,333	-	-	0.00%
16	Total Wastewater Transmission Projects	<u>\$ 355,933</u>			<u>\$ -</u>	<u>\$ 355,933</u>	<u>\$ -</u>	<u>\$ -</u>	<u>0.00%</u>
17	TOTAL WASTEWATER PROJECTS	<u>\$ 1,039,267</u>			<u>\$ -</u>	<u>\$ 1,039,267</u>	<u>\$ -</u>	<u>\$ -</u>	<u>0.00%</u>
18	TOTAL SYSTEM PROJECTS	<u>\$ 4,736,933</u>			<u>\$ -</u>	<u>\$ 4,736,933</u>	<u>\$ -</u>	<u>\$ -</u>	<u>0.00%</u>

Table 4

City of Marco Island, Florida Water and Sewer Impact Fee Study

Summary of Water and Sewer Capital Improvement Program Recognized in System Impact Fees – Fiscal Years 2022 Through 2026

Footnotes:

- [1] Amounts shown are derived from Table 3 and do not include any capital expenditures classified as distribution-related or collection-related.
- [2] Estimated original in-service date based on discussions with City staff.
- [3] Amount shown was determined by discounting the projected (replacement) cost by an inflationary factor as measured by the Engineering News-Record (ENR) Construction Cost Index applied to the estimated number of years in service.
- [4] For replacement projects only, amount derived by subtracting the estimated original cost from the new project cost (net asset addition).

Note: With respect to capital projects associated with plant upgrades, the following were assumed:

New = Project designated for capacity expansion only.

Upgrade = Project designated to improve existing capacity facilities.

Replacement = Project which removes original asset from service but necessary for providing service to City customers.

Relocate = Project which removes original asset from service, and usually replaces it with an asset designated for capacity expansion.

Redundancy = Project which provides redundancy to existing capacity and not an increase in capacity to serve new growth.

Reliability = Project which provides additional reliability to existing capacity and not an increase in capacity to serve new growth.

Future = Reflects project which extends beyond the planning horizon (e.g., beyond Fiscal Year 2026) in this report.

System = Project that benefits existing, expansion and future customers.

Direct = Reflects projects which directly relate to specific customer base and not System cost.

Table 5

**City of Marco Island, Florida
Water and Sewer Impact Fee Study**

Development of Water System Impact Fee

Line No.	Description	Amount
	Total Estimated Cost of Existing Water Production and Treatment Facilities:	
1	Cost of Existing City-Owned Facilities [1]	\$ 71,749,830
2	Additional Costs Capitalized to Plant in Service [2]	3,614,333
3	Less Anticipated Retirements [3]	-
4	Less Grant Funds and Other Contributions [4]	-
5	Subtotal Water Production and Treatment Facilities	\$ 75,364,164
6	Existing Nominal Plant Capacity (MGD) (Peak Daily Flow) [5]	12.670
7	Existing Plant Capacity Expressed on Average Daily Flow Basis (MGD) [5]	9.050
8	ERC Factor - GPD [6]	392
9	Estimated ERCs to be Served by Existing Facilities	23,087
10	Percent Remaining Capacity of Existing Facilities [7]	6.77%
11	Allocation of Existing Facilities to Incremental Growth	\$ 5,099,210
12	Base Rate per ERC Associated with Existing Facilities	\$ 3,264.39
13	Capital Financing Recovery - Treatment Component	0.00
14	Rate per ERC Associated with Existing Facilities	\$ 3,264.39
	Estimated Cost of Additional Water Production and Treatment Facilities:	
15	Cost of Additional City Water Production/Treatment Facilities [8]	\$ -
16	Total Estimated Cost of Additional Water Production and Treatment Facilities	\$ -
17	New Plant Capacity (MGD) (Average Daily Flow) [9]	-
18	Estimated ERCs to be Served by Additional Facilities	-
19	Rate per ERC Associated with Additional Facilities	\$ -
20	Rate per ERC Allocable to Water Production/Treatment Facilities [10]	\$ 3,264.39
	Major Transmission System: [11]	
21	Existing Facilities [12]	\$ 25,695,113
22	Additional Costs Capitalized to Plant in Service [13]	83,333
23	Less Anticipated Retirements [14]	-
24	Less Grant Funds and Other Contributions [4]	-
25	Major Transmission Facility Costs	\$ 25,778,446
26	Estimated Plant Capacity-Total Service Area (MGD) (Average Daily Flow) [15]	9.050
27	ERC Factor - GPD [6]	392
28	Estimated ERCs served by Transmission Facilities [15]	23,087
29	Base Rate per ERC of Major Transmission Facilities	\$ 1,116.58
30	Capital Financing Recovery - Transmission Component	0.00
31	Rate per ERC of Major Transmission Facilities	\$ 1,116.58
32	Total Combined Rate per ERC Before Rate Adjustment	\$ 4,380.97
33	Rate Adjustment	-
34	Total Combined Rate per ERC After Rate Adjustment	4,380.97
35	Rounded Rate per ERC	\$ 4,380.00
36	Cost Per Gallon	\$ 11.173

MGD = Million-Gallons-Per-Day
 ERC = Equivalent Residential Connection
 GPD = Gallons Per Day

Footnotes start on following page.

Table 5

**City of Marco Island, Florida
Water and Sewer Impact Fee Study**

Development of Water System Impact Fee

Footnotes:

- [1] Amount derived from Table 1, Line 1005; reflects estimated City-owned water production and treatment assets currently in service.
- [2] Amount shown derived from Table 4, Line 6; reflects recognized additions to the water production and treatment facilities where applicable.
- [3] Amount derived from Table 4, Line 6 and reflects estimated treatment fixed asset retirements due to imposition of the capital improvement plan of the City's utility system.
- [4] Table 1, Line 1007 and Table 3 show adjustments for capital costs funded from contributed capital. Such costs were not included in the impact fee calculations.
- [5] Amount shown derived from Table 2, Line 9.
- [6] The level of service factor for a water ERC reflects capacity requirements expressed on an average daily flow basis; the assumed factor of 392 gallons per day per ERC is based on review of historical flow data, standards in the City's comprehensive plan, persons per household data from United States Census, and discussions with City staff.
- [7] Amount shown derived from Table 2, Line 13.
- [8] Amount shown derived from Table 4, Line 6.
- [9] No City-funded additional capacity was assumed to be added to the Water System for the purpose of the impact fee analysis.
- [10] Derived as follows:

Cost of Existing Water Treatment Facilities	\$ 75,364,164
Percent of Existing Water Treatment Facilities Available to Serve Growth	6.77%
Adjusted Cost of Existing Water Treatment Facilities	\$ 5,099,210
Cost of Additional Water Treatment Facilities	-
Total Costs	\$ 5,099,210
Estimated ERCs to Be Served By Existing Water Treatment Facilities	23,087
Percent of Existing Water Treatment Facilities Available to Serve Growth	6.77%
Adjusted ERCs to Be Served By Existing Water Treatment Facilities	1,562
Estimated ERCs to Be Served By Additional Water Treatment Facilities	-
Total ERCs	1,562
Rate per ERC Associated With Water Treatment Facilities	\$ 3,264.39

- [11] Amounts do not include the estimated costs of retail on-site capital expenditures such as meters, hydrants, services, and on-site (local) distribution utility plant facilities or general plant assets (vehicles, equipment, etc.) or general transmission lines; such costs are: i) generally provided by the developer or owners of property which specifically benefit from such facilities; or ii) funded by a separate and distinct fee (e.g., meter installation charge).
- [12] Amount derived from Table 1, Line 1005; reflects cost of water transmission and storage utility plant in service.
- [13] Amount derived from Table 4, Line 8; reflects net recognized additions to the water transmission facilities where applicable.

Table 5

**City of Marco Island, Florida
Water and Sewer Impact Fee Study**

Development of Water System Impact Fee

Footnotes:

- [14] Amount derived from Table 4, Line 8 and reflects estimated transmission fixed asset retirements due to imposition of the capital improvement plan of the City's utility system.
- [15] Reflects total estimated plant capacity for the forecast period for the water service area based on capacity planning estimates. Amount calculated as follows:

	<u>Amount</u>
Existing Capacity (MGD-ADF)	9.050
Assumed ERC Factor (Gallons Per Day Per ERC)	392
Total Estimated ERCs Available to be Served	<u><u>23,087</u></u>

Table 6

**City of Marco Island, Florida
Water and Sewer Impact Fee Study**

Development of Sewer System Impact Fee

Line No.	Description	Amount
	Total Estimated Cost of Existing Sewer	
	Treatment/Disposal Facilities:	
1	Cost of Existing Facilities [1]	\$ 62,896,440
2	Additional Costs Capitalized to Plant in Service [2]	683,333
3	Less Anticipated Retirements [3]	-
4	Less Grant Funds and Other Contributions [4]	-
5	Subtotal Sewer Treatment/Disposal Facilities	\$ 63,579,773
6	Existing Nominal Plant Capacity (MGD) (Three-Month Average Daily Flow) [5]	4.920
7	Existing Nominal Plant Capacity (MGD) (Average Daily Flow) [5]	3.785
8	ERC Factor - GPD [6]	196
9	Estimated ERCs to be Served By Existing Facilities	19,309
10	Percent Remaining Capacity of Existing Facilities [7]	45.86%
11	Allocation of Existing Facilities to Incremental Growth	\$ 29,158,035
12	Base Rate per ERC Associated with Existing Facilities	\$ 3,292.71
13	Capital Financing Recovery - Treatment Component	0.00
14	Rate per ERC Associated with Existing Facilities	\$ 3,292.71
	Total Estimated Cost of Additional Sewer	
	Treatment/Disposal Facilities:	
15	Cost of Additional Sewer Treatment/Disposal Facilities [8]	\$ -
16	New Plant Capacity (MGD) (Average Daily Flow) [9]	-
17	Estimated ERCs to be Served by Additional Facilities	-
18	Rate per ERC Associated with Additional Facilities	\$ -
19	Rate per ERC Allocable to Sewer Treatment/Disposal Facilities [10]	\$ 3,292.71
	Major Transmission System: [11]	
20	Existing Facilities [12]	\$ 36,919,056
21	Additional Costs Capitalized to Plant in Service [13]	355,933
22	Less Anticipated Retirements [14]	-
23	Less Receipt of Grant Funds and Other Contributions [4]	-
24	Total Major Transmission Facility Costs	\$ 37,274,989
25	Estimated Plant Capacity (MGD) (3MADF) [15]	3.785
26	ERC Factor - GPD [6]	196
27	Estimated ERCs served by Transmission Facilities [15]	19,309
28	Base Rate per ERC of Major Transmission Facilities	\$ 1,930.45
29	Capital Financing Recovery - Transmission Component	0.00
30	Rate per ERC of Major Transmission Facilities	\$ 1,930.45
31	Total Combined Rate per ERC Before Rate Adjustment	\$ 5,223.15
32	Rate Adjustment	-
33	Total Combined Rate per ERC After Rate Adjustment	5,223.15
34	Rounded Rate per ERC	\$ 5,220.00
35	Cost Per Gallon	\$ 26.633

3MADF = Three-Month Average Daily Flow
 MGD = Million-Gallons-Per-Day
 ERC = Equivalent Residential Connection
 GPD = Gallons Per Day

Footnotes start on following page.

Table 6

**City of Marco Island, Florida
Water and Sewer Impact Fee Study**

Development of Sewer System Impact Fee

Footnotes:

- [1] Amount derived from Table 1 Line 1005; reflects estimated sewer treatment and effluent disposal assets currently in service.
- [2] Amount shown derived from Table 4, Line 13; reflects net recognized additions to the sewer treatment and effluent disposal facilities where applicable.
- [3] Amount derived from Table 4, Line 13 and reflects estimated treatment fixed asset retirements due to imposition of the capital improvement plan of the City's utility system.
- [4] Table 1, Line 1007 and Table 3 show adjustments for capital costs to funded from contributed capital. Such costs were not included in the capacity fee calculations.
- [5] Amount shown derived from Table 2, Line 9.
- [6] The level of service factor for a sewer ERC reflects capacity requirements expressed on an average daily flow basis; the assumed factor of 196 gallons per day per ERC is based on review of historical flow data, standards in the City's comprehensive plan, persons per household per United States Census data, and discussions with City staff.
- [7] Amount shown derived from Table 2, Line 13.
- [8] Amount shown derived from Table 4, Line 13.
- [9] No City-funded additional capacity was assumed to be added to the sewer system for the purpose of the impact fee analysis.

[10] Derived as follows:

Cost of Existing Sewer Treatment Facilities	\$ 63,579,773
Percent of Existing Sewer Treatment Facilities Available to Serve Growth	45.86%
Adjusted Cost of Existing Sewer Treatment Facilities	\$ 29,158,035
Cost of Additional Sewer Treatment Facilities	0
Total Costs	\$ 29,158,035
Estimated ERCs to Be Served By Existing Sewer Treatment Facilities	19,309
Percent of Existing Sewer Treatment Facilities Available to Serve Growth	45.86%
Adjusted ERCs to Be Served By Existing Sewer Treatment Facilities	8,855
Estimated ERCs to Be Served By Additional Sewer Treatment Facilities	0
Total ERCs	8,855
Rate Per ERC Associated With Sewer Treatment Facilities	\$ 3,292.71

- [11] Amounts do not include the estimated costs of retail on-site capital expenditures such as manholes, local lift stations, service laterals, and on-site (local) collection utility plant facilities or general plant assets (vehicles, equipment, etc.) or general transmission lines; such costs are i) generally provided by the developer or owners of property which specifically benefit from such facilities; or ii) funded by a separate and distinct fee (e.g., sewer tap charge).
- [12] Amount derived from Table 1, Line 1005; reflects cost of sewer transmission and master pumping station utility plant in service.
- [13] Amount shown derived from Table 4, Line 16; reflects net recognized additions to the sewer transmission facilities where applicable.

Table 6

**City of Marco Island, Florida
Water and Sewer Impact Fee Study**

Development of Sewer System Impact Fee

Footnotes:

- [14] Amount derived from Table 4, Line 16 and reflects estimated transmission fixed asset retirements due to imposition of the capital improvement plan of the City's utility system.
- [15] Reflects total estimated plant capacity for the forecast period for the sewer service area based on capacity planning estimates. Amount calculated as follows:

	<u>Amount</u>
Existing Capacity (MGD-ADF)	3.785
Capacity to Be Added During Forecast Period: 2022- 2026 (MGD-ADF)	-
Total Projected Capacity Needs	<u>3.785</u>
Assumed ERC Factor (gallons per day per ERC)	196
Total Estimated ERCs Available to be Served	<u><u>19,309</u></u>

Table 7
City of Marco Island, Florida
Water and Sewer Impact Fee Study

Comparison of Impact Fees Per
Equivalent Residential Connection (ERC) for Water and Sewer Service

Line No.	Description	Impact Fee Per ERC [1]		
		Water	Wastewater	Combined
City of Marco Island, Florida				
1	Existing Impact Fees Per ERC	\$ 3,740	\$ 4,610	\$ 8,350
2	Proposed Impact Fees Per ERC	4,380	5,220	9,600
Other Florida Utilities				
3	City of Boca Raton	\$ 5,195	\$ 4,168	\$ 9,363
4	Bonita Springs Utilities, Inc.	2,600	3,925	6,525
5	Charlotte County	2,407	2,251	4,658
6	Collier County	3,382	3,314	6,696
7	Englewood Water District [2]	2,080	3,334	5,414
8	Gasparilla Island Water Association, Inc.	4,018	2,793	6,811
9	Hillsborough County	1,863	2,951	4,814
10	Lee County	2,440	2,660	5,100
11	Manatee County	1,738	3,175	4,913
12	City of Naples	1,416	2,324	3,740
13	City of North Port	2,319	2,255	4,574
14	City of Sarasota	900	2,577	3,477
15	Sarasota County	2,950	3,190	6,140
16	Other Florida Utilities' Average	\$ 2,562	\$ 2,994	\$ 5,556
17	Minimum	900	2,251	3,477
18	Maximum	5,195	4,168	9,363

Footnotes:

- [1] Amounts reflect fees for a typical single family residential unit (i.e., one ERC) and are effective in December 2022.
[2] Includes accrued guaranteed revenue fees.

Figure 2
City of Marco Island, Florida
Comparison of Impact Fees
Per ERC for Water and Sewer Service

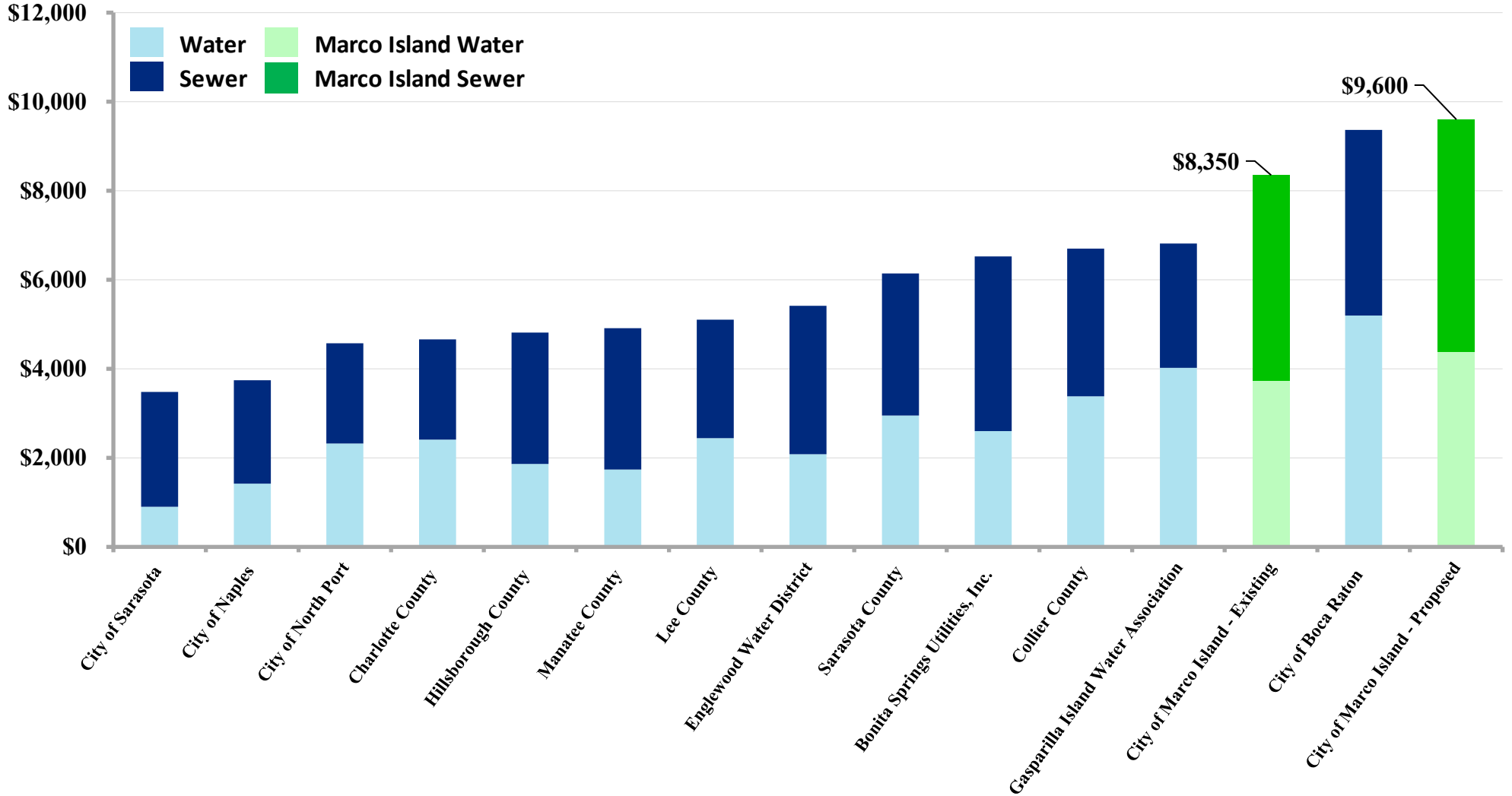


Table 8
City of Marco Island, Florida

Derivation of Proposed Meter Charges and Service Installation Charges

Line No.	Description	Unit Price	Meter Charge				
			5/8" x 3/4" Meter		1" Meter	1-1/2" Meter	2" Meter
			5/8" x 3/4" Meter	5/8" x 3/4" Meter with Backflow			
Field Service Personnel							
<u>Field Operations</u>							
Labor							
1	Technician 1		1.00	1.00	1.00	2.00	2.00
2	Rate per Hour		\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15
3	Total Cost - Technician 1		25.15	25.15	25.15	50.30	50.30
4	Technician 2		0.00	0.00	0.00	2.00	2.00
5	Rate per Hour		\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15
6	Total Cost - Technician 2		0.00	0.00	0.00	50.30	50.30
7	Total Labor Cost - Field Operations		25.15	25.15	25.15	100.60	100.60
8	Benefits (@ 40%)	40.00%	10.06	10.06	10.06	40.24	40.24
9	Total Service Personnel Costs		\$ 35.21	\$ 35.21	\$ 35.21	\$ 140.84	\$ 140.84
Customer Service Personnel							
<u>Customer Service</u>							
Labor							
10	Customer Service Representative		0.25	0.25	0.25	0.25	0.25
11	Rate per Hour		\$ 19.23	\$ 19.23	\$ 19.23	\$ 19.23	\$ 19.23
12	Total Cost - Customer Service Representative		4.81	4.81	4.81	4.81	4.81
13	Total Labor Cost - Customer Service		4.81	4.81	4.81	4.81	4.81
14	Benefits (@ 40%)	40.00%	1.92	1.92	1.92	1.92	1.92
15	Total Customer Service Worker Costs		\$ 6.73	\$ 6.73	\$ 6.73	\$ 6.73	\$ 6.73
Vehicles and Equipment							
All Vehicles							
16	Number of Hours Used		1.00	1.00	1.00	2.00	2.00
17	Cost per Hour		\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00
Pierce Arrow							
18	Number of Hours Used		0.00	0.00	0.00	0.00	0.00
19	Cost per Hour		\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
Trailer							
20	Number of Hours Used		0.00	0.00	0.00	0.00	0.00
21	Cost per Hour		\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00
Air Compressor							
22	Number of Hours Used		0.00	0.00	0.00	0.00	0.00
23	Cost per Hour		\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00
Mini Excavator							
24	Number of Hours Used		0.00	0.00	0.00	0.00	0.00
25	Cost per Hour		\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
26	Total Vehicles and Equipment Expenses		\$ 40.00	\$ 40.00	\$ 40.00	\$ 80.00	\$ 80.00

Table 8
City of Marco Island, Florida

Derivation of Proposed Meter Charges and Service Installation Charges

Line No.	Description	Unit Price	Meter Charge				
			5/8" x 3/4" Meter		1" Meter	1-1/2" Meter	2" Meter
			5/8" x 3/4" Meter	5/8" x 3/4" Meter with Backflow			
Parts and Supplies							
27	5/8" x 3/4" Meter	101.50	\$ 101.50	\$ -	\$ -	\$ -	\$ -
28	5/8" x 3/4" Meter with Backflow	369.24	-	369.24	-	-	-
29	1" Meter	293.24	-	-	293.24	-	-
30	1-1/2" Meter	468.11	-	-	-	468.11	-
31	2" Meter	535.05	-	-	-	-	535.05
32	Ball Corp 1.5"	175.00	-	-	-	-	-
33	Poly Tubing 1.5"	2.50	-	-	-	-	-
34	Poly Tubing 1"	4.50	-	-	-	-	-
35	Corp Stop	44.82	-	-	-	-	-
36	Double Meter Box	150.00	-	-	-	150.00	150.00
37	Meter Box	50.00	50.00	50.00	50.00	-	-
38	Sod	75.00	-	-	-	-	-
39	1 Curb stop	101.75	-	-	-	-	-
40	1.5 Curb stop	290.70	-	-	-	-	-
41	2 curb stop	424.57	-	-	-	-	-
42	1" insert	10.72	-	-	-	-	-
43	1.5" insert	7.36	-	-	-	-	-
44	2" insert	3.68	-	-	-	-	-
45	Concrete	50.00	-	-	-	-	-
46	Tapping Saddle 4-12	92.38	-	-	-	-	-
47	Total Parts and Supplies		\$ 151.50	\$ 419.24	\$ 343.24	\$ 618.11	\$ 685.05
Direct Costs							
48	Field Operations		\$ 35.21	\$ 35.21	\$ 35.21	\$ 140.84	\$ 140.84
49	Customer Service		6.73	6.73	6.73	6.73	6.73
50	Vehicles and Equipment		40.00	40.00	40.00	80.00	80.00
51	Parts and Supplies		151.50	419.24	343.24	618.11	685.05
52	Total Direct Costs		\$ 233.44	\$ 501.18	\$ 425.18	\$ 845.68	\$ 912.62
53	Direct Costs with Contingency	5.00%	\$ 245.11	\$ 526.24	\$ 446.44	\$ 887.96	\$ 958.25
54	Recommended Rate		\$ 245.00	\$ 525.00	\$ 445.00	\$ 890.00	\$ 960.00
55	Existing Rate		\$ 125.00	\$ 297.98	\$ 200.00	\$ 425.00	\$ 550.00

Table 8
City of Marco Island, Florida

Derivation of Proposed Meter Charges and Service Installation Charges

Line No.	Description	Unit Price	Service Installation Charges							
			5/8" x 3/4" Service		1" Service		1-1/2" Service		2" Service	
			Short Tap	Long Tap	Short Tap	Long Tap	Short Tap	Long Tap	Short Tap	Long Tap
Field Service Personnel										
Field Operations										
Labor										
1	Technician 1		2.00	4.00	2.00	4.00	2.00	4.00	2.00	4.00
2	Rate per Hour	\$	25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15
3	Total Cost - Technician 1		50.30	100.60	50.30	100.60	50.30	100.60	50.30	100.60
4	Technician 2		2.00	4.00	2.00	4.00	2.00	4.00	2.00	4.00
5	Rate per Hour	\$	25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15	\$ 25.15
6	Total Cost - Technician 2		50.30	100.60	50.30	100.60	50.30	100.60	50.30	100.60
7	Total Labor Cost - Field Operations		100.60	201.20	100.60	201.20	100.60	201.20	100.60	201.20
8	Benefits (@ 40%)	40.00%	40.24	80.48	40.24	80.48	40.24	80.48	40.24	80.48
9	Total Service Personnel Costs		\$ 140.84	\$ 281.68	\$ 140.84	\$ 281.68	\$ 140.84	\$ 281.68	\$ 140.84	\$ 281.68
Customer Service Personnel										
Customer Service										
Labor										
10	Customer Service Representative		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Rate per Hour	\$	19.23	\$ 19.23	\$ 19.23	\$ 19.23	\$ 19.23	\$ 19.23	\$ 19.23	\$ 19.23
12	Total Cost - Customer Service Representative		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Total Labor Cost - Customer Service		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Benefits (@ 40%)	40.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Total Customer Service Worker Costs		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Vehicles and Equipment										
All Vehicles										
16	Number of Hours Used		2.00	4.00	2.00	4.00	2.00	4.00	2.00	4.00
17	Cost per Hour	\$	40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00
Pierce Arrow										
18	Number of Hours Used		2.00	4.00	2.00	4.00	2.00	4.00	2.00	4.00
19	Cost per Hour	\$	50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
Trailer										
20	Number of Hours Used		2.00	4.00	2.00	4.00	2.00	4.00	2.00	4.00
21	Cost per Hour	\$	25.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00
Air Compressor										
22	Number of Hours Used		2.00	4.00	2.00	4.00	2.00	4.00	2.00	4.00
23	Cost per Hour	\$	30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00
Mini Excavator										
24	Number of Hours Used		2.00	4.00	2.00	4.00	2.00	4.00	2.00	4.00
25	Cost per Hour	\$	50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
26	Total Vehicles and Equipment Expenses		\$ 390.00	\$ 780.00	\$ 390.00	\$ 780.00	\$ 390.00	\$ 780.00	\$ 390.00	\$ 780.00

Table 8
City of Marco Island, Florida

Derivation of Proposed Meter Charges and Service Installation Charges

Line No.	Description	Unit Price	Service Installation Charges							
			5/8" x 3/4" Service		1" Service		1-1/2" Service		2" Service	
			Short Tap	Long Tap	Short Tap	Long Tap	Short Tap	Long Tap	Short Tap	Long Tap
Parts and Supplies										
27	5/8" x 3/4" Meter	101.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	5/8" x 3/4" Meter with Backflow	369.24	-	-	-	-	-	-	-	-
29	1" Meter	293.24	-	-	-	-	-	-	-	-
30	1-1/2" Meter	468.11	-	-	-	-	-	-	-	-
31	2" Meter	535.05	-	-	-	-	-	-	-	-
32	Ball Corp 1.5"	175.00	175.00	175.00	175.00	175.00	175.00	-	-	-
33	Poly Tubing 1.5"	2.50	25.00	75.00	25.00	75.00	25.00	-	-	-
34	Poly Tubing 1"	4.50	4.50	4.50	4.50	4.50	-	-	-	-
35	Corp Stop	44.82	44.82	44.82	44.82	44.82	-	-	-	-
36	Double Meter Box	150.00	-	-	-	-	-	-	-	-
37	Meter Box	50.00	-	-	-	-	-	-	-	-
38	Sod	75.00	25.00	50.00	25.00	50.00	25.00	50.00	25.00	50.00
39	1 Curb stop	101.75	101.75	101.75	101.75	101.75	-	-	-	-
40	1.5 Curb stop	290.70	-	-	-	-	290.70	290.70	-	-
41	2 curb stop	424.57	-	-	-	-	-	-	424.57	424.57
42	1" insert	10.72	10.72	10.72	10.72	10.72	-	-	-	-
43	1.5" insert	7.36	7.36	7.36	7.36	7.36	7.36	7.36	-	-
44	2" insert	3.68	-	-	-	-	-	-	7.36	7.36
45	Concrete	50.00	-	50.00	-	50.00	-	50.00	-	50.00
46	Tapping Saddle 4-12	92.38	92.38	92.38	92.38	92.38	92.38	92.38	92.38	92.38
47	Total Parts and Supplies		\$ 486.53	\$ 611.53	\$ 486.53	\$ 611.53	\$ 615.44	\$ 490.44	\$ 549.31	\$ 624.31
Direct Costs										
48	Field Operations		\$ 140.84	\$ 281.68	\$ 140.84	\$ 281.68	\$ 140.84	\$ 281.68	\$ 140.84	\$ 281.68
49	Customer Service		-	-	-	-	-	-	-	-
50	Vehicles and Equipment		390.00	780.00	390.00	780.00	390.00	780.00	390.00	780.00
51	Parts and Supplies		486.53	611.53	486.53	611.53	615.44	490.44	549.31	624.31
52	Total Direct Costs		\$ 1,017.37	\$ 1,673.21	\$ 1,017.37	\$ 1,673.21	\$ 1,146.28	\$ 1,552.12	\$ 1,080.15	\$ 1,685.99
53	Direct Costs with Contingency	5.00%	\$ 1,068.24	\$ 1,756.87	\$ 1,068.24	\$ 1,756.87	\$ 1,203.59	\$ 1,629.73	\$ 1,134.16	\$ 1,770.29
54	Recommended Rate		\$ 1,069.00	\$ 1,757.00	\$ 1,069.00	\$ 1,757.00	\$ 1,204.00	\$ 1,630.00	\$ 1,135.00	\$ 1,771.00
55	Existing Rate		\$ 172.00	\$ 172.00	\$ 188.00	\$ 188.00	\$ 249.00	\$ 249.00	\$ 298.00	\$ 298.00
56			Average Cost Between Short and Long Tap:		\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,450	\$ 1,450	\$ 1,450

**APPENDIX A:
WATER AND SEWER
IMPACT FEE ORDINANCE**

**CITY OF MARCO ISLAND
ORDINANCE 2006 - 16**

AN ORDINANCE TO AMEND CHAPTER 52, DIVISION 2, (IMPACT FEES) OF THE CITY OF MARCO ISLAND CODE OF ORDINANCES BY ADOPTING REVISED WATER AND WASTEWATER CAPITAL FACILITIES FEES, A REVISED “ESTIMATED ERC FACTORS FOR NON-RESIDENTIAL AND MASTER-METERED MULTIPLE-FAMILY RESIDENTIAL SERVICE”; REVISING GENERAL DEFINITIONS, CLARIFYING SECTIONS 52-57 AND 52-59 SO THAT DEVELOPMENT MEANS “COMMERCIAL” DEVELOPMENT; PROVIDING FOR INCORPORATION, CONFLICT, AND SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Article VIII of the State Constitution and Chapter 166 of the Florida Statutes provide that municipalities shall have the governmental, corporate, and proprietary powers to enable them to conduct municipal government, perform municipal functions, and render municipal services, and may exercise any power for municipal purposes, except when expressly prohibited by law; and

WHEREAS, Chapter 180, Florida Statutes, empowers municipalities with certain powers and authority to control and regulate municipal public works; and

WHEREAS, Section 180.02, Florida Statutes, allows a municipality to execute all powers granted under Chapter 180, Florida Statutes within its corporate limits; and

WHEREAS, Chapter 180, Florida Statutes, also permits a municipality to execute all of its corporate powers for the accomplishment of said Chapter outside of its corporate limits, as provided in said Chapter, and as may be desirable or necessary for the promotion of the public health, safety, and welfare or for the accomplishment of the purposes of said Chapter; and

WHEREAS Chapter 163.31801, Florida Statutes, recognizes that impact fees are an important source of revenue for a local government to use in funding the infrastructure necessitated by new growth; and

WHEREAS, Section 52-64 of the Code of Ordinances requires that Chapter 52, Division 2 of the Code of Ordinances, the capital element of the Comprehensive Plan, and impact fee studies should be reviewed at least every five years; and

WHEREAS, Public Resources Management Group has provided a water and wastewater impact fee analysis entitled, “Water and Wastewater Capital Facilities Fees” dated September 28, 2006 and such analysis recommends an increase in the water and wastewater Capital Facilities Fee.

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

NOW THEREFORE, BE IT ORDAINED by the City Council of the City of Marco Island, Florida:

Section I. That Chapter 52, Division 2 of the Marco Island Code of Ordinances shall be amended as follows:

Section 52-55 Adoption of Impact Fee Studies.

A. "City of Marco Island Comprehensive Plan," as amended; "Water and Wastewater Capital Facilities Fees Study" prepared by Public Resources Management Group (September 28, 2006).

Section 52-56 General Definitions.

"Commercial Development" shall mean a development where commercial activity occurs. A Commercial Development may include one or more "Building"(s) and may or may not include any "Residential" units.

"Equivalent Residential Connection" or "ERC" generally represents the equivalent usage requirements of a single-family residential customer. The term "Equivalent Residential Unit or "ERU", often used instead of ERC, and has the same definition as an ERC. One (1) ERC is deemed to be equal to a flow of four hundred forty (440) gallons per day (GPD) for water; and One (1) ERC is deemed to be equal to a flow of two hundred twenty (220) gallons per day (GPD) for wastewater. The assumed ERC gallonage has been based on statistical data establishing an average residential use, and it is recognized that the uses for some types of residential units may be greater or smaller than the average assumed for this calculation.

Section 52-57 Imposition of Impact Fees.

C. Change of Size or Use. Impact Fees shall be imposed and calculated for net increase, alteration, expansion, or replacement of a use or a Commercial Development, or a Building, or part of a Building (including Dwelling Unit), and each accessory or non-accessory Building, provided such net increase, alteration, expansion, or replacement of the use, Building, or part thereof or therein, by applying this Chapter results in: (1) a net increase in the number of Dwelling Units; (2) a net increase in the size or square footage of a Commercial Development or Building; (3) a net increase in the size of the use; or (4) intensification of the use so as to constitute an expansion of the same use category or result in a change to a higher Impact Fee land use category; or (5) otherwise create additional demand or additional impacts on the water and wastewater facilities. The Impact Fee imposed under the applicable Impact Fee Rate shall be calculated as follows:

1. In the event only the square footage of a use or Building is increased, the Impact Fee shall be calculated only for the net increased square footage.

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

2. The Impact Fee imposed for any Accessory Buildings shall be that applicable under the Impact Fee Rate for the land use for the primary Building unless the Accessory Building has its own Impact Fee Rate.

3. In the event that a change in use creates additional demand or impacts on the water and wastewater facilities, the Impact Fee imposed shall be the Impact Fee due for the new use minus the Impact Fee that would be paid at the current impact fee rate for the most recent lawful use that exists or existed on the Commercial Development unless previously unused credits can be documented and used. The Commercial Development may consist of a single parcel or adjacent parcels with one or more buildings. It is the responsibility of the current owner of the Commercial Development to provide the documentation that impact fees were paid for the number of ERCs for the facility before the change in use. If no documentation is provided to the City for previous ERCs then no credit will be given for those ERCs. There shall be no adjustment, off-set or credit for subsequent change of Building or use that result in lower net impacts upon the water and wastewater facilities.

4. A Building that has been condemned, demolished, deemed unsafe, or abandoned more than two (2) years before the date that the respective Building Permit application is first submitted to the City for approval shall not be entitled to any Impact Fee credit for any Impact Fee previously paid to the City.

Section 52-59 Installment Payments.

D. In the event the City issues separate Building Permits for a Commercial Development or Building or part of a Building within a Development which by design contemplates phased (delayed) occupancy, the City and the Applicant may enter into an agreement for the phased (installment) payment of the Impact Fee applicable to that portion of the Development represented by such unoccupied units or space; provided, however, that all Impact Fees due shall be paid in full prior to issuance of a certificate of occupancy for occupancy of any delayed occupancy portion of the Building.

Section 52-62 Developer Contribution Credit.

F. Impact Fee credits shall not be assigned or otherwise transferred from one Commercial Development to another Commercial Development except by written agreement executed by the City, and then, shall only be transferable from one Commercial Development to another Commercial Development owned by the same Developer. No such assignment or transfer of Impact Fee credits shall be allowed until the original Commercial Development has been completed. Impact Fee credits will be accomplished only through the operation of a credit agreement. Should an assignment of credit be approved by the City through execution of such an agreement, the assignee shall take the agreement as is and shall be bound by all of the terms and conditions of the

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

agreement as originally executed by the assignor and other parties. No assignee (or transferee) of any such Agreement shall have the right to any review procedure under this Chapter except to the extent expressly granted in the agreement. The provisions of this paragraph shall apply to subsequent purchasers or successors in title to the owner.

Section II. Revised Capital Facilities Fees and ERC Factors.

The revised Water and Wastewater Capital Facilities Fees, provided in Exhibit "A," attached herein, and the revised "Estimated ERC Factors for Non-Residential and Master Metered Multiple-Family Residential Service, attached hereto as "Table I," are incorporated herein.

Section III. Conflict And Severability.

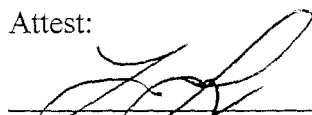
If any clause, section, or provision of this Ordinance shall be declared unconstitutional or invalid for any reason or cause, the remaining portion of said Ordinance shall be in flail force and effect and be valid as if such invalid portion thereof had not been incorporated herein. In the event it is held or construed by any court of competent jurisdiction that the City does not possess the power or authority to impose the Impact Fee within municipal areas or the Urban Service Area, or that the imposition of the Impact Fees within these areas is declared invalid or unconstitutional for any purpose, such declaration of unconstitutionality of the imposition of the Impact Fee, it is the intent of the City that in such event, such imposition of Impact Fees remain valid and in force.

Section IV. Effective Date.

This Ordinance shall take effect immediately upon approval by the Marco Island City Council on second reading and public hearing. The capital facilities fees, as provided in Exhibit "A" (2) shall be effective beginning February 12, 2007.

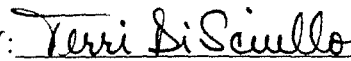
Passed in open and regular session through roll call vote of the City Council of the City of Marco Island, Florida, this 6th day of November 2006.

Attest:




Laura Litzan, City Clerk

CITY OF MARCO ISLAND, FLORIDA

BY: 

Terri DiSciullo, Chairwoman

Approved as to form and
legal sufficiency:



Richard D. Yovanovich, Esquire
City Attorney

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

EXHIBIT “A”

1. Levels of service for the purposes of the establishment of rates and charges as provided herein this chapter, the following level of service expressed on an average dependable daily capacity flow (.ADF), gallons per day (GPD) basis for a single ERC shall be as follows:

- i. Water = 440 GPD
- ii. Wastewater = 220 GPD

2. Capital facilities fees are as follows per ERC:

- i. Potable Water capital facilities fee \$3,740 per ERC
- ii. Wastewater capital facilities fee \$4,610 per ERC

3. The capital facilities fee schedule for each service class is as follows:

a) Single-Family Residential Service Class: The fees shall be applied to each Single-Family dwelling unit based on the following schedule:

- i. 1,500 sq. ft. or less with 2 bedrooms or less 0.67 ERC
- ii. 1,500 to 2,500 sq. ft. with 4 bedrooms or less 1.00 ERC
- iii. Each additional bedroom or 750 sq. ft. or fraction + 0.33 ERC

b) Condominium and Multi-family Service Class: The fees shall be applied to each dwelling unit based on the following schedule:

- i. 1,500 sq. ft. or less with 2 bedrooms or less 0.67 ERC
- ii. 1,500 to 2,500 sq. ft. with 4 bedrooms or less 1.00 ERC
- iii. Each additional bedroom or 750 sq. ft. or fraction + 0.33 ERC

c) Commercial Developments: - The rate of the capital facilities fee charged for all other customers not classified as a single-family dwelling residential service shall be calculated based on the average necessary level of service capacity calculated on an estimated average daily flow basis figured in terms of gallons per day by and through the use of Equivalent Residential Connections as according to the formula below:

Water Rate = \$3,740 per ERC

Wastewater Rate = \$4,610 per ERC

$$\text{Water Fee} = \frac{\text{Average Dependable Daily Capacity}}{\text{Expressed on a GPD Basis}} \times \text{Water Rate as \$ per ERC}$$

440 GPD

$$\text{Wastewater Fee} = \frac{\text{Average Dependable Daily Capacity}}{\text{Expressed on a GPD Basis}} \times \text{Wastewater Rate as \$ per ERC}$$

220 GPD

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

The Average Dependable Daily Capacity expressed as GPD shall be the average daily capacity for the calendar month with the greatest usage for water consumption and wastewater generation.

ERC values shall be calculated to the nearest tenth (0.1 ERC) for fee application purposes, but in no event shall a capital facility fee for water and/or wastewater service be less than one (1) ERC for a new connection. When structural changes, additions or changes in permitted use shall result in an additional impact to the City's water and wastewater system above the amount of capacity allocated to such property (based on the payment of the capital facility fee), the additional ERC value shall be calculated to the nearest tenth (0.1 ERC) for application purposes and such capacity will be added to the previous capacity paid by the Applicant to determine the total ERCs allowable to the property.

With respect to the determination of the water and wastewater capital facilities fee for the commercial and master-metered multiple-family service class, if no water and wastewater capacity estimates are provided, the city reserves the right to estimate the average dependable daily capacity as referenced in this section and determine the appropriate capital facilities fee to be charged to such owner or applicant in accordance with the requirements and guidelines contained at Table 1 in this section. Two examples of such a calculation on an ERC basis follow:

Example #1: Assume a hospital with 105 beds

ERC per hospital bed = 0.455 see Table 1

ERC per meal served = 0.011 see Table 1

105 beds x 0.455 ERC per bed	=	47.78 ERCs
3 meals/day/bed x 105 beds x 0.011 ERCs meal	=	<u>03.47</u> ERCs
Total ERCs Calculated	=	51.25 .ERCs
Total ERCs Fee Determination	=	51.3 .ERCs

Water capital facilities fee:	51.3 ERCs x \$3,740/ERC =	\$191,862
Wastewater capital facilities fee:	51.3 ERCs x \$4,610/ERC =	<u>\$236,493</u>
Total calculated capital facilities fee:	=	\$428,355

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

Example #2: Assume a restaurant, open for business less than 16 hours, with 90 seats for dining and 10 seats at a bar only for serving drinks (no meals)

ERC per seat for dining = 0.091 see Table 1

ERC per seat at the bar = 0.045 see Table 1

90 dining seats x 0.091 ERC per seat = 8.19 ERCs

10 bar seats x 0.045 = 0.45 ERCs

Total ERCs Calculated = 8.64 .ERCs

Total ERCs Fee Determination = 8.6 .ERCs

Water capital facilities fee: 8.6 ERCs x \$3,740/ERC = \$32,164

Wastewater capital facilities fee: 8.6 ERCs x \$4,610/ERC = \$39,646

Total calculated capital facilities fee: = \$71,810

For multiple-family or commercial facilities the number of ERCs for water and wastewater are equal unless the equations in paragraph 3b in Exhibit A are used to determine the water and wastewater capital facility fees. For example if a facility has a maximum monthly average use of potable water of 2000 GPD of which 1100 GPD is used for irrigation (and/or other purposes that do not produce wastewater) then the Average Dependable Daily Capacity used in the equation in paragraph 3b for computing the Water Fee is 2000 GPD but for the equation to compute the Wastewater Fee the Average Dependable Daily Capacity is 900 GPD.

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

TABLE 1

City of Marco Island, Florida

**ESTIMATED ERC FACTORS FOR NON-RESIDENTIAL AND MASTER METERED
MULTIPLE-FAMILY RESIDENTIAL SERVICE**

COMMERCIAL	ERCs
1. Airports, bus terminals, train stations, port & dock facilities, bathroom waste only	
a. Per passenger-----	0.009
b. Add per employee per 8 hour shift-----	0.034
2. Barber & beauty shops per service chair-----	0.170
3. Bowling alley bathroom waste only per lane-----	0.114
4. Country Club	
a. Per resident-----	0.227
b. Add per member or patron-----	0.057
c. Add per employee per 8-hour shift-----	0.034
5. Doctor and Dentist offices	
a. Per practitioner-----	0.568
b. Add per employee per 8-hour shift-----	0.034
6. Factories, exclusive of industrial wastes, gallons per employee per 8 hour shift	
a. No showers provided-----	0.034
b. Showers provided-----	0.057
7. Flea Market open 3 or less days per week	
a. Per non-food service vendor space-----	0.034
b. Add per food service establishment using single service articles only per 100 square feet of floor space-----	0.114
c. Per limited food service establishment-----	0.057
d. For flea markets open more than 3 days per week, estimated flows shall be doubled	

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

TYPES OF ESTABLISHMENTS	ERCs
8. Food Operations	
a. Restaurant operating 16 hours or less per day per seat-----	0.091
b. Restaurant operating more than 16 hours per day per seat-----	0.136
c. Restaurant using single service articles only and operating 16 hours or less per day per seat-----	0.045
d. Restaurant using single service articles only and operating more than 16 hours per day per seat-----	0.080
e. Bar and cocktail lounge per seat-----	0.045
add per pool table or video game-----	0.034
f. Drive-in restaurant per car space-----	0.114
g. Carry out only, including caterers	
1. Per 100 square feet of floor space-----	0.114
2. Add per employee per 8-hour shift-----	0.034
h. Institutions per meal-----	0.011
i. Food Outlets excluding delis, bakery, or meat department per 100 square feet of floor space	0.023
1. Add for deli per 100 square feet of deli floor space-----	0.091
2. Add for bakery per 100 square feet of bakery floor space-----	0.091
3. Add for meat department per 100 square feet of meat department floor space-----	0.170
4. Add per water closet-----	0.455
9. Hotels & motels	
a. Regular per room-----	0.227
b. Resort hotels, camps, cottages per room-----	0.455
c. Add for establishments with self-service laundry facilities per machine-----	1.705
10. Mobile Home Park	
a. Per single wide mobile home space, less than 4 single wide spaces connected to a shared onsite system-----	0.568
b. Per single wide mobile home space, 4 or more single wide spaces are connected to a shared onsite system-----	0.511
c. Per double wide mobile home space, less than 4 double wide mobile home spaces connected to a, shared onsite system-----	0.682
e. Per double wide mobile home space, 4 or more double wide mobile home spaces connected to a shared onsite system-----	0.625

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

TYPES OF ESTABLISHMENTS	ERCs
11. Office Building, per employee per 8-hour shift or per 100 square feet of floor space, whichever is greater-----	0.034
12. Transient Recreational Vehicle Park	
a. Recreational vehicle space for overnight stay, without water and sewer hookup per vehicle space-----	0.114
b. Recreational vehicle space for overnight stay, with water and sewer hookup per vehicle space-----	0.170
13. Service Stations per water closet	
a. Open 16 hours per day or less-----	0.568
b. Open more than 16 hours per day-----	0.739
14. Shopping Centers without food or laundry per 1000 square foot of floor space-----	0.227
15. Stadiums, race tracks, ball parks per seat-----	0.009
16. Stores, per bathroom-----	0.455
17. Swimming and bathing facilities, public per person-----	0.023
18. Theatres and Auditoriums, per seat-----	0.009
19. Veterinary Clinic	
a. Per practitioner-----	0.568
b. Add per employee per 8 hour shift-----	0.034
c. Add per kennel, stall or cage-----	0.045
20. Warehouse	
a. Add per employee per 8-hour shift-----	0.034
b. Add per loading bay-----	0.227
c. Self-storage, per unit (up to 200)-----	0.002

APPENDIX A: WATER AND SEWER IMPACT FEE ORDINANCE

TYPES OF ESTABLISHMENTS **ERCs**
INSTITUTIONAL:

- 21. Churches per seat which includes kitchen wastewater flows unless meals prepared on a routine basis----- 0.007
 - a. If meals served on a regular basis, add per meal prepared----- 0.011

- 22. Hospitals per bed which does not include kitchen wastewater flows----- 0.455
 - a. Add per meal prepared----- 0.011

- 23. Nursing, rest homes, adult congregate living facilities per bed which not include kitchen wastewater flows----- 0.227
 - a. Add per meal prepared----- 0.011

- 24. Parks, public picnic
 - a. With toilets only per person----- 0.009
 - b. With bathhouse, showers & toilet per person----- 0.023

- 25. Public institutions other than schools and hospitals per person which does not include kitchen wastewater flows----- 0.227
 - a. Add per meal prepared----- 0.011

- 26. Schools per student
 - a. Day-type----- 0.023
 - b. Add for showers----- 0.009
 - c. Add for cafeteria----- 0.009
 - d. Add for day school workers----- 0.034
 - e. Boarding-type----- 0.170

- 27. Work/construction camps, semi-permanent per worker----- 0.114

MASTER-METERED RESIDENTIAL SERVICE:

- 28. Multiple-Family, per dwelling unit
 - a. 1,500 sq. ft. or less with 2 bedrooms or less----- 0.670
 - b. 1,500 to 2,500 sq. ft. with 4 bedrooms or less----- 1.000
 - c. Each additional bedroom or 750 sq. ft. or fraction----- 0.333

**APPENDIX B:
EXCERPT FROM CITY'S
COMPREHENSIVE PLAN REGARDING
WATER AND SEWER
LEVELS OF SERVICE**

**APPENDIX B: EXCERPT FROM CITY'S
COMPREHENSIVE PLAN REGARDING
WATER AND SEWER LEVELS OF SERVICE**

Policy 1.1.5

The City shall annually prepare and adopt by ordinance a Capital Improvements Program showing all public facility development projects to be undertaken during the ensuing five-year period. The City shall also annually review this Capital Improvements Element.

Objective 1.2

Establish, monitor and maintain the following LOS standards to outline the basis for facility planning and design, setting impact fees, and for the operation of the Concurrency Management System (CMS).

Policy 1.2.1

The adopted LOS standard for potable water will be 200 gallons per capita per day.

Policy 1.2.2

The adopted LOS standard for sanitary sewers is 100 gallons of wastewater treatment capacity per capita per day.

Policy 1.2.3

All LOS standards to be measured at P.M., Peak hour. Adopted LOS standard for roads is as follows:

- a. Arterials - LOS D
- b. Collier Blvd. from the Jolley Bridge to San Marco Road – LOS C
- c. Collector roadways - LOS D
- d. Local roads - LOS D

Policy 1.2.4

The LOS design standard for new stormwater management facilities will be the ten-year, one-hour storm event, with a 3.3 inches/hour intensity duration. For existing and future drainage system components the following design LOS standard hierarchy is provided:

- a. LOS Standard A: Upstream (US) Ground Elevation Upstream Hydraulic Grade Line (US HGL) > 0.5 Ft.
- b. LOS Standard B: US Ground Elevation US HGL > 0.2 ft.
- c. LOS Standard C: US Ground Elevation US HGL > or = 0.0 ft.
- d. LOS Standard D: US HGL < or = 5.2 ft. NGVD*
- e. LOS Standard E: US HGL > 5.2 ft. NGVD*

For existing drainage system components, a level not to exceed the parameters of LOS shall be adopted.

(*) May be acceptable LOS standard at a limited number of roadway locations due to extreme topographical conditions.

**APPENDIX C:
UNITED STATES CENSUS DATA ON
CITY OF MARCO ISLAND**

APPENDIX C: UNITED STATES CENSUS DATA ON CITY OF MARCO ISLAND



QuickFacts

Marco Island city, Florida

QuickFacts provides statistics for all states and counties, and for cities and towns with a **population of 5,000 or more**.

Table

All Topics	Marco Island city, Florida
Population Estimates, July 1 2022, (V2022)	NA
Population Estimates, July 1 2021, (V2021)	15,969
PEOPLE	
Population	
Population Estimates, July 1 2022, (V2022)	NA
Population Estimates, July 1 2021, (V2021)	15,969
Population estimates base, April 1, 2020, (V2022)	NA
Population estimates base, April 1, 2020, (V2021)	15,796
Population, percent change - April 1, 2020 (estimates base) to July 1, 2022, (V2022)	NA
Population, percent change - April 1, 2020 (estimates base) to July 1, 2021, (V2021)	1.1%
Population, Census, April 1, 2020	15,760
Population, Census, April 1, 2010	16,413
Age and Sex	
Persons under 5 years, percent	1.0%
Persons under 18 years, percent	7.5%
Persons 65 years and over, percent	57.1%
Female persons, percent	50.1%
Race and Hispanic Origin	
White alone, percent	94.6%
Black or African American alone, percent (a)	0.4%
American Indian and Alaska Native alone, percent (a)	0.0%
Asian alone, percent (a)	0.8%
Native Hawaiian and Other Pacific Islander alone, percent (a)	0.0%
Two or More Races, percent	4.0%
Hispanic or Latino, percent (b)	8.3%
White alone, not Hispanic or Latino, percent	89.4%
Population Characteristics	
Veterans, 2017-2021	1,707
Foreign born persons, percent, 2017-2021	9.8%
Housing	
Housing units, July 1, 2021, (V2021)	X
Owner-occupied housing unit rate, 2017-2021	89.7%
Median value of owner-occupied housing units, 2017-2021	\$689,000
Median selected monthly owner costs -with a mortgage, 2017-2021	\$3,061
Median selected monthly owner costs -without a mortgage, 2017-2021	\$1,235
Median gross rent, 2017-2021	\$1,775
Building permits, 2021	X
Families & Living Arrangements	
Households, 2017-2021	8,131
Persons per household, 2017-2021	1.96
Living in same house 1 year ago, percent of persons age 1 year+, 2017-2021	86.7%
Language other than English spoken at home, percent of persons age 5 years+, 2017-2021	10.4%
Computer and Internet Use	
Households with a computer, percent, 2017-2021	96.1%
Households with a broadband Internet subscription, percent, 2017-2021	90.0%
Education	
High school graduate or higher, percent of persons age 25 years+, 2017-2021	95.5%
Bachelor's degree or higher, percent of persons age 25 years+, 2017-2021	44.6%

2023

**Water and
Sewer Impact
Fee Study**