

River Heights City

COUNCIL MEETING AGENDA

Tuesday, December 10, 2019

Notice is hereby given that the River Heights City Council will hold its council meeting beginning at 5:15 p.m. in the River Heights City Office Building at 520 S 500 E.

Opening Remarks (Wilson) and Pledge of Allegiance (Clausen)

Adoption of Previous Minutes and Agenda

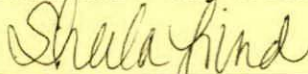
Public Hearing for an Ordinance Adopting an Impact Fee Facilities Plans and an Impact Fee Enactment for Wastewater, and Notice of Public Hearing

Approve Bills to be Paid

Eagle Project Presentation by Gabe Rasmussen

Adjourn

Posted this 5th day of December 2019



Sheila Lind, Recorder

Attachments for this meeting and drafts of previous meeting minutes can be found on the State's Public Notice Website (pmn.utah.gov)

In compliance with the American Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify Sheila Lind, (435) 770-2061 at least 24 hours before the meeting.

River Heights City

Council Meeting

December 10, 2019

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8 Present: Mayor Todd Rasmussen
9 Council members: Doug Clausen
10 Robert "K" Scott
11 Elaine Thatcher
12 Dixie Wilson
13 Blake Wright
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15 Recorder Sheila Lind
16 Finance Director Cliff Grover
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18 Excused: Public Works Director Clayton Nelson
19 Treasurer Wendy Wilker
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21 Others Present: Mike Jablonski
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23 The following motions were made during the meeting:
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25 Motion #1

26 Councilmember Clausen moved to "adopt the minutes of the council meeting of November
27 26, 2019 and the evening's agenda." Councilmember Thatcher seconded the motion, which passed
28 with Clausen, Scott, Thatcher, Wilson and Wright in favor. No one opposed.
29

30 Motion #2

31 Councilmember Thatcher moved to "accept Ordinance 6-2-19, An Ordinance Adopting an
32 Impact Fee Facilities Plans and an Impact Fee Enactment for Wastewater, and Notice of Public
33 Hearing." Councilmember Clausen seconded the motion, which carried with Clausen, Scott, Thatcher
34 and Wright in favor. Wilson opposed.
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36 Motion #3

37 Councilmember Clausen moved to "approve the minutes for the November 26, 2019 Council
38 Meeting and the evening's agenda." Councilmember Scott seconded the motion, which carried with
39 Clausen, Scott, Thatcher, Wilson and Wright in favor. No one opposed.
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Proceedings of the Meeting:

The River Heights City Council met at 5:15 p.m. in the Ervin R. Crosbie Council Chambers in the River Heights City Building on Tuesday, December 10, 2019 for their condensed December council meeting.

Opening Remarks and Pledge of Allegiance: Councilmember Wilson opened the meeting with a thought and expressions of gratitude for her time served on the council and Councilmember Clausen led the group in the Pledge of Allegiance.

Councilmember Scott also thanked everyone for their support and expressed his gratitude for those he was able to work with on the council.

Adoption of Previous Minutes and Agenda: Minutes for the November 26, 2019 meeting were reviewed.

Councilmember Clausen moved to “adopt the minutes of the council meeting of November 26, 2019 and the evening’s agenda.” Councilmember Thatcher seconded the motion, which passed with Clausen, Scott, Thatcher, Wilson and Wright in favor. No one opposed.

Public Hearing for An Ordinance Adopting an Impact Fee Facilities Plans and an Impact Fee Enactment for Wastewater, and Notice of Public Hearing: Councilmember Clausen summarized the ordinance by stating River Heights will charge a wastewater impact fee only for new construction (residential and commercial). Councilmember Wilson asked how long the impact fee will be charged. Mayor Rasmussen will check with the Rate Committee but thought it would be charged until the debt is paid off. He pointed out that the ordinance may need to be modified if the city allows a different zone, such as multi-family housing.

Councilmember Thatcher moved to “accept Ordinance 6-2-19, An Ordinance Adopting an Impact Fee Facilities Plans and an Impact Fee Enactment for Wastewater, and Notice of Public Hearing.” Councilmember Clausen seconded the motion, which carried with Clausen, Scott, Thatcher and Wright in favor. Wilson opposed.

Councilmember Wilson explained her opposition: She felt this ordinance will put a chill on building. Mayor Rasmussen was supportive of new development having to pay for their impact to the wastewater system. He pointed out that the equivalent residential unit will need to be revisited with the addition of commercial and/or multi-unit dwellings that come into the city, which could be done by addendum to the ordinance.

Mike Jablonski was in attendance to express gratitude for the council’s service to the citizens and wished everyone a Merry Christmas.

Approve Bills to be Paid: The list of bills was reviewed.

Councilmember Clausen moved to “approve the minutes for the November 26, 2019 Council Meeting and the evening’s agenda.” Councilmember Scott seconded the motion, which carried with Clausen, Scott, Thatcher, Wilson and Wright in favor. No one opposed.

Recorder Lind announced the swearing in for those who were recently elected will be held on Monday, January 6 at 7:00 p.m.

Mayor Rasmussen Reported

- He has talked with Todd Beutler from the Cache Valley Transit District about Rodger Pond’s passing. Mr. Rasmussen told him he will have someone to replace Mr. Pond by the first of the year. He will appoint a council member to serve on that board.
- He has met with the Mike Liechty and Dale Hansen of the school district concerning them giving the Old School to the city. They are currently constructing portables at Sky View to house post high students, which should be finished in January. The hearing specialist in the

95 Old School will need to stay until June. They set a tentative date of March 1 for the city to start
96 any construction. Engineer Rasmussen has most of the design work done for the modification
97 of the gym for a public works shop. Once the plans are finished, they will put it out for bid.
98 It's possible that the city public works employees may start some of the work earlier, to save
99 some expense.


- He reminded that the RFP is out for the Old Church and is due December 31.
- He has asked State Representative Casey Snyder if he would come to council meeting to discuss taxation. Mr. Snyder is willing to meet in December. If he picks a date, he'll let the council know.

102 Eagle project Presentation by Gabe Rasmussen: Gabe Rasmussen didn't show up.

103 The meeting adjourned at 5:45 p.m

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111 Todd A. Rasmussen, Mayor



Sheila Lind, Recorder

December 10, 2019

To: River Heights City, Mayor and Council

From: Mike Jablonski
125 East 500 South
River Heights, Utah 84321

435-752-4200 (office)

Re: Comments for the Public Hearing regarding "An Ordinance Adopting an Impact Fee Facilities Plans and an Impact Fee Enactment for Wastewater"

Please accept these written comments in lieu of verbal comments at today's public hearing.

I have reviewed the proposed ordinance for the impact fee(s) for wastewater in River Heights.

I think it is reasonable and appropriate for River Heights to assess and charge the proposed fee(s), and to administer the fee(s), as stated in the proposed ordinance.

I suggest that you pass this ordinance.

Respectfully,

Mike Jablonski

ORDINANCE NO. 6-2019

AN ORDINANCE ADOPTING AN IMPACT FEE FACILITIES PLANS AND AN IMPACT FEE ENACTMENT FOR WASTEWATER, AND NOTICE OF PUBLIC HEARING

WHEREAS, the City of River Heights (the "City") is a political subdivision of the State of Utah, authorized and organized under applicable provisions of Utah law; and

WHEREAS, the City has legal authority, pursuant to Title 11, Chapter 36a of the Utah Code Annotated, as amended ("Impact Fees Act" or "Act"), to impose development impact fees as a condition of development approval, which impact fees are used to defray capital infrastructure costs attributable to new Development Activity; and

WHEREAS, the City does not currently charge an impact fee for wastewater treatment;

WHEREAS, wastewater treatment service for the City is provided by Logan City Corporation ("Logan City") pursuant to interlocal agreements dated February 13, 2018; collectively referred to as the "Logan City Agreements"; and

WHEREAS, the City desires to implement an impact fee for wastewater treatment, referred to hereafter as "Wastewater Impact Fee" in accordance with applicable provisions of the Impact Fees Act in order to appropriately assign capital infrastructure costs to development in an equitable and proportionate manner as more particularly provided herein; and

WHEREAS, the proposed Wastewater Impact Fee is based upon Logan City's Regional Wastewater Impact Fees Facilities Plan and Impact Fee Analysis, a copy of which is attached as Exhibit A, which the City Council hereby finds to be a reasonable plan that otherwise complies with the common law and the Act; and

WHEREAS, the proposed Wastewater Impact Fee established by this ordinance is reasonable related to the cost of providing such public facilities necessitated by anticipated future growth within the City or are reasonably related to public facility costs previously incurred by the City and/or Logan City and said fee does not exceed the highest fee justified by the Impact Fee Analysis prepared by Logan City; and

WHEREAS, the City has provided the required notice and public hearing requirements as established under the Act and related statutes; and

WHEREAS, a public hearing was held before the City Council on December 10, 2019 to receive public input and comment regarding the proposed Wastewater Impact Fee.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF RIVER HEIGHTS CITY, STATE OF UTAH, AS FOLLOWS:

SECTION I

Definitions

1. "System Improvements" means:
 - a. Existing public facilities that are:
 - i. Identified in the Impact Fee Analysis ("IFA"), attached as Exhibit "A"; and
 - ii. Designed to provide services to the service areas within the community at large; and
 - b. Future public facilities that are intended to provide services to service areas within the community at large.
2. "Equivalent Residential Unit" means that unit of demand that has an impact on the wastewater treatment infrastructure of Logan City that is equivalent to a single-family residence with a flow of 245 gallons per day.
3. "Public Facilities" for purposes of this ordinance means only the following impact fee related facilities that have a life expectancy of 10 or more years and are owned by Logan City, and which are operated on behalf of the City:
 - a. Wastewater collection and treatment facilities

SECTION II

Impact Fee Analysis, Service Area

1. The City Council hereby adopts the Impact Fee Facilities Plan (IFFP) and Impact Fee Analysis (IFA) prepared for Logan City by Lewis Young Robertson & Burningham, Inc.
2. A copy of the IFA is included as Exhibit "A".
3. The entire area of the City is hereby designated as one service area with respect to wastewater treatment facilities.

SECTION III

The IFFP and IFA as set forth in Exhibit "A" is hereby adopted in its entirety by the City in accordance with applicable provisions of the Impact Fees Act.

SECTION IV

Wastewater Impact Fee

1. A Wastewater Impact Fee is hereby established and imposed as a condition of the issuance of a building permit by the City for any development activity which creates additional demand and need for public facilities in accordance with the Act. The Wastewater Impact Fee shall be \$2,433.00 per Equivalent Residential Unit. The non-standard Wastewater Impact Fee is calculated as by determining the Estimated Flow divided by 245GPD multiplied by \$2,433.00.
2. The Non-Standard Impact Fee is defined as commercial and industrial facilities, public facilities, multifamily residential units (more than one dwelling sharing one connection), and any other user which may create different impact than what is standard for its land use. The

- City of Logan Environmental Director or his designee is responsible for the assessment and adjustment of the non-Standard Impact Fee.
3. Logan City or the Environmental Services Department will collect the Wastewater Impact Fee at the time of building permit application. All impact fees must be paid in full before a building permit is issued.
 4. Logan City and/or the Logan City Environmental Director is authorized to adjust the standard impact fee described above at the time the fee is paid in order to:
 - a. Respond to:
 - i. Unusual circumstances in specific cases; or
 - ii. A request for a prompt and individualized impact fee review for the development activity of the state, a school district, or a charter school and an offset or credit for a public facility for which an impact fee has been or will be collected; and
 - b. Ensure that the impact fee is imposed fairly.
 5. The amount of the Wastewater Impact Fee to be imposed on a particular development may be adjusted by Logan City and/or the Logan City Environmental Director.
 6. Applications for exceptions are to be filed with Logan City and/or the Logan City Environmental Director at the time the applicant first requests the extension of service to the applicant's development or property.
 7. Subject to approval by the Logan City and/or the Logan City Environmental Director, developers, including a school district or a charter school, may be allowed a credit against Impact Fees or proportionate reimbursement of Impact Fees if the developer 1) dedicates land for a System Improvement, 2) builds and dedicates some or all of a System Improvement, or 3) dedicates a public facility that Logan City and the developer agree will reduce the need for a System Improvement; provided that the System Improvement is: (i) identified in the Logan City Impact Fee Facility Plan; and (ii) is required by Logan City as a condition of approving the Development Activity. To the extent required in Section 11-36a-402 of the Act, the City, subject to the approval of Logan City and/or the Logan City Environmental Director, shall provide a credit against Impact Fees for any dedication of land for, improvements to, or new construction of any System Improvements provided by the developer if the facilities, 1) are a System Improvement; or 2) are dedicated to the public and offset the need for an identified System Improvement.

SECTION V

Accounting, Expenditure

1. Logan City shall account for, expend, and refund Wastewater Impact Fees pursuant in accordance with provisions of the Act.

SECTION VI

Administrative Challenges and Appeals Procedure

1. Any person or entity required to pay a Wastewater Impact Fee imposed by Logan City who believes the fee does not meet the requirements of law may file a written request for information with Logan City and/or the Logan City Environmental Director as provided by law.

2. Within two weeks after the receipt of the request for information, Logan City and/or the Logan City Environmental Director shall provide the person or entity with the written impact fee analysis required by the Act and with any other relevant information relating to the impact fee.

SECTION VII

Amendments, Inconsistencies, Severability, Establishment

1. This ordinance and fee schedule may be amended by subsequent ordinances, subject to approval by Logan City and/or the Logan City Environmental Director.
2. The City may adopt policies consistent with this ordinance and any resolutions passed by the City Council to assist in the implementation, administration and interpretation of this ordinance related to Impact Fees.
3. Any parts or portions of previous ordinances, resolutions, rules, and regulations which are inconsistent or in conflict with this ordinance are hereby repealed.
4. Prior policies, ordinances, rules, and regulations of the City regarding Wastewater Impact Fees that are not in conflict with this ordinance remain in effect.
5. If any part of this Ordinance is declared invalid by a court of accepted jurisdiction, the remainder shall not be affected thereby.
6. As required by Section 401(2) of the Act, this ordinance shall become effective 90 days after passage by the City Council and public notice as required by law.

ADOPTED and PASSED by the River Heights City Council this 10th day of December, 2019.

Todd A Rasmussen, Mayor

VOTING:

Councilmember Doug Clausen
Councilmember Robert "K" Scott
Councilmember Elaine Thatcher
Councilmember Dixie Wilson
Councilmember Blake Wright

Yea__ Nay__
Yea__ Nay__
Yea__ Nay__
Yea__ Nay__
Yea__ Nay__

ATTEST:

Sheila Lind, City Recorder

EXHIBIT A

**WASTEWATER TREATMENT
IMPACT FEE FACILITIES PLAN (IFFP) AND
IMPACT FEE ANALYSIS (IFA)**

LOGAN CITY ENVIRONMENTAL DEPARTMENT

AUGUST 2019


**LEWIS YOUNG
ROBERTSON & BURNINGHAM, INC.**

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IMPACT FEE CERTIFICATION

IFFP CERTIFICATION

LYRB certifies that the attached impact fee facilities plan:

1. includes only the costs of public facilities that are:
 - a. allowed under the Impact Fees Act; and
 - b. actually incurred; or
 - c. projected to be incurred or encumbered within six years after the day on which each impact fee is paid;
2. does not include:
 - a. costs of operation and maintenance of public facilities;
 - b. costs for qualifying public facilities that will raise the level of service for the facilities, through impact fees, above the level of service that is supported by existing residents;
 - c. an expense for overhead, unless the expense is calculated pursuant to a methodology that is consistent with generally accepted cost accounting practices and the methodological standards set forth by the federal Office of Management and Budget for federal grant reimbursement; and,
3. complies in each and every relevant respect with the Impact Fees Act.

IFA CERTIFICATION

LYRB certifies that the attached impact fee analysis:

1. includes only the costs of public facilities that are:
 - a. allowed under the Impact Fees Act; and
 - b. actually incurred; or
 - c. projected to be incurred or encumbered within six years after the day on which each impact fee is paid;
2. does not include:
 - a. costs of operation and maintenance of public facilities;
 - b. costs for qualifying public facilities that will raise the level of service for the facilities, through impact fees, above the level of service that is supported by existing residents;
 - c. an expense for overhead, unless the expense is calculated pursuant to a methodology that is consistent with generally accepted cost accounting practices and the methodological standards set forth by the federal Office of Management and Budget for federal grant reimbursement;
3. offsets costs with grants or other alternate sources of payment; and,
4. complies in each and every relevant respect with the Impact Fees Act.

LYRB makes this certification with the following caveats:

1. All of the recommendations for implementations of the IFFP made in the IFFP documents or in the IFA documents are followed by City Staff and elected officials.
2. If all or a portion of the IFFP or IFA are modified or amended, this certification is no longer valid.
3. All information provided to LYRB is assumed to be correct, complete, and accurate. This includes information provided by the City as well as outside sources.



DEFINITIONS

The following acronyms or abbreviations are used in this document:

- AF:** Acre Foot
- ERU:** Equivalent Residential Unit
- GAL:** Gallons
- GPM:** Gallons per Minute
- GPD:** Gallons per Day
- IFA:** Impact Fee Analysis
- IFFP:** Impact Fee Facilities Plan
- LOS:** Level of Service
- LYRB:** Lewis Young Robertson and Burningham, Inc.
- MG:** Million Gallons
- MGD:** Million Gallons per Day



SECTION 1: EXECUTIVE SUMMARY

The purpose of this Impact Fee Analysis (IFA), is to fulfill the requirements established in Utah Code Title 11 Chapter 36a, the "Impact Fees Act," and help Logan City (the "City") fund necessary capital improvements for future growth. This document will address the future sewer treatment infrastructure needed to serve new development through the next ten years, as well as the appropriate impact fees the City may charge to new growth to maintain the level of service.

- ▮ **Impact Fee Service Area:** The Service Area for the wastewater treatment impact fees includes the communities of Logan, Smithfield, Hyde Park, North Logan, River Heights, Providence, Nibley, and Utah State University.
- ▮ **Demand Analysis:** The demand unit utilized in this analysis is existing flow and equivalent residential units, or ERUs. Currently, the Service Area has an estimated flow of 13.7 Million Gallons Per Day (MGD), for a total of 55,918 ERUs. Based on a growth rate of 2.5 percent identified in the 2018 Sewer Collection Master Plan (see p.36), an additional 16,053 ERUs will be added to the System. A more moderate growth of 1.5 percent will produce another 9,112 ERUs. Regardless of the projected growth, the Sewer Treatment Facility has a defined capacity of 18 MGD annual average demand. Therefore, the impact fee analysis will allocate the available capacity based on the current level of service.
- ▮ **Level of Service:** The level of service identified in the Master Plan assumes each future ERU will contribute an average sanitary flow of 0.17 GPM, or 70 gallons per person per day. This equates to 245 GPD per ERU, assuming an average household size of 3.5 people for each.¹
- ▮ **Excess Capacity:** While the construction of the new treatment facility is needed to further treat for phosphorus and ammonia removal, existing facilities will continue to be utilized to provide storage facilities to existing and future ERUs to account for max day flows. This analysis includes a buy-in to existing facilities to account for this capacity. The existing sewer treatment infrastructure has an original value of \$16,561,911.
- ▮ **Capital Facilities Analysis:** A new treatment facility is anticipated to cost a total of \$162,146,550. \$38,735,009, or 24 percent of the total cost, is considered impact fee eligible capital cost.
- ▮ **Funding of Future Facilities:** This analysis assumes future growth-related facilities will be funded through a combination of wastewater revenues, debt financing, and impact fee revenues.

PROPOSED WASTEWATER TREATMENT IMPACT FEE

The wastewater treatment impact fees proposed in this analysis will be assessed within the Service Area. Table 1.1 illustrates the appropriate fee associated with wastewater treatment projects occurring within the planning horizon.

TABLE 1.1: IMPACT FEE PER ERU

	TOTAL COST	% TO GROWTH	COST TO IFFP	ERUs SERVED	COST PER ERU
Existing Facilities (Buy-In)	\$16,561,911	24%	\$3,956,456	17,551	\$225
Future Facilities	\$162,146,550	24%	\$38,735,009	17,551	\$2,207
Professional Expense	\$13,050	100%	\$13,050	17,551	\$1
Impact Fee Fund Balance	-	100%	-	17,551	-
Total per ERU			\$42,704,516		\$2,433

NON-STANDARD WASTEWATER TREATMENT IMPACT FEES

The City reserves the right under the Impact Fees Act to assess an adjusted fee that more closely matches the true impact that the land use will have upon public facilities.² This adjustment could result in a lower impact fee if the City determines that a particular user may create a different impact than what is standard for its land use. The formula for a non-standard impact fee calculation is shown below.

NON-STANDARD IMPACT FEE FORMULA

Estimated Flow/245 GPD x \$2,433 = Impact Fee

¹ 2018 Wastewater Collection Master Plan IFFP, p. 36
² 11-36a-422(1)(3)



SECTION 2: GENERAL IMPACT FEE METHODOLOGY

FIGURE 2.1: IMPACT FEE METHODOLOGY

The purpose of this study is to fulfill the requirements of the Impact Fees Act regarding the establishment of an IFA³. The IFFP, completed by Gardner Engineering, is designed to identify the demands placed upon the City's existing facilities by future development and evaluate how these demands will be met by the City, as well as the future improvements required to maintain the existing LOS. The purpose of the IFA is to proportionately allocate the cost of the new facilities and any excess capacity to new development, while ensuring that all methods of financing are considered. The following elements are important considerations when completing an IFA.

DEMAND ANALYSIS	<p>DEMAND ANALYSIS</p> <p>The demand analysis serves as the foundation for this analysis. This element focuses on a specific demand unit related to each public service – the existing demand on public facilities and the future demand as a result of new development that will impact system facilities.</p>
LOS ANALYSIS	<p>LEVEL OF SERVICE ANALYSIS</p> <p>The demand placed upon existing public facilities by existing development is known as the existing LOS. Through the inventory of existing facilities, combined with the growth assumptions, this analysis identifies the LOS which is provided to a community's existing residents and ensures that future facilities maintain these standards. Any excess capacity identified within existing facilities can be apportioned to new development. Any demand generated from new development that overburdens the existing system beyond the existing capacity justifies the construction of new facilities.</p>
EXISTING FACILITIES ANALYSIS	<p>EXISTING FACILITY INVENTORY</p> <p>In order to quantify the demands placed upon existing public facilities by new development activity, the analysis provides an inventory existing <u>system</u> facilities. The inventory of existing facilities is important to properly determine the excess capacity of existing facilities and the utilization of excess capacity by new development.</p>
FUTURE FACILITIES ANALYSIS	<p>FUTURE CAPITAL FACILITIES ANALYSIS</p> <p>The demand analysis, existing facility inventory and LOS analysis allow for the development of a list of capital projects necessary to serve new growth and to maintain the existing system. This list includes any excess capacity of existing facilities, as well as future <u>system improvements</u> necessary to maintain the level of service. Any demand generated from new development that overburdens the existing system beyond the existing capacity justifies the construction of new facilities.</p>
FINANCING STRATEGY	<p>FINANCING STRATEGY</p> <p>This analysis must also include a consideration of all revenue sources, including impact fees, future debt costs, alternative funding sources and the dedication of system improvements, which may be used to finance system improvements.⁴ In conjunction with this revenue analysis, there must be a determination that impact fees are necessary to achieve an equitable allocation of the costs of the new facilities between the new and existing users.⁵</p>
PROPORTIONATE SHARE ANALYSIS	<p>PROPORTIONATE SHARE ANALYSIS</p> <p>The written impact fee analysis is required under the Impact Fees Act and must identify the impacts placed on the facilities by development activity and how these impacts are reasonably related to the new development. The written impact fee analysis must include a proportionate share analysis, clearly detailing each cost component and the methodology used to calculate each impact fee. A local political subdivision or private entity may only impose impact fees on development activities when its plan for financing system improvements establishes that impact fees are necessary to achieve an equitable allocation of the costs borne in the past and to be borne in the future (UCA 11-36a-302).</p>

³UC 11-36a-301,302,303,304

⁴UC 11-36a-302(2)

⁵UC 11-36a-302(3)



SECTION 3: OVERVIEW OF SERVICE AREA, DEMAND, AND LOS

SERVICE AREAS

Utah Code requires the impact fee enactment to establish one or more service areas within which impact fees will be imposed.⁶ The Service Area for the wastewater impact fees includes the following areas:

- | | |
|---------------|-------------------------|
| ☐ Logan | ☐ River Heights |
| ☐ Smithfield | ☐ Providence |
| ☐ Hyde Park | ☐ Nibley |
| ☐ North Logan | ☐ Utah State University |

Logan City is in the process of updating the lagoons to a mechanical plant in order to accommodate more stringent ammonia and phosphorous standards as well as future total nitrogen limits. Construction is estimated to be completed and the plant operational by the end of the year 2022.

TABLE 3.1: SERVICE AREA ERU GROWTH PROJECTIONS

	FLOW (MODERATE GROWTH RATE 1.5%)	ERUS	FLOW (HIGH GROWTH RATE 2.5%)	ERUS
2018	13,700,000	55,918	13,700,000	55,918
2019	13,905,500	56,757	14,042,500	57,316
2020	14,114,083	57,609	14,393,563	58,749
2021	14,325,794	58,473	14,753,402	60,218
2022	14,540,681	59,350	15,122,237	61,723
2023	14,758,791	60,240	15,500,293	63,267
2024	14,980,173	61,144	15,887,800	64,848
2025	15,204,875	62,061	16,284,995	66,469
2026	15,432,948	62,992	16,692,120	68,131
2027	15,664,443	63,937	17,109,423	69,834
2028	15,899,409	64,896	17,537,158	71,580
2029	16,137,900	65,869	17,975,587	73,370
2030	16,379,969	66,857	18,424,977	75,204
IFFP Growth (2019-2029)	2,232,400	9,112	3,933,087	16,053

Source: LYRB projections, based on data from Logan City, and the 2018 Wastewater Collection Master plan.

DEMAND UNITS

The demand unit utilized in this analysis is existing flow and equivalent residential units, or ERUs. The primary impact on the system will be growth in residential and commercial ERUs through development. As development occurs within the Service Area, it generates increased demand on the wastewater treatment system, above the current demand. The system improvements identified in this study are designed to maintain the existing level of service for any new or redeveloped property within the Service Area. If growth assumptions change substantially, the impact fee analysis should be updated to reflect these changes.

Currently, the Service Area has an estimated flow of 13.7 Million Gallons Per Day (MGD), for a total of 55,918 ERUs. Based on a growth rate of 2.5 percent

identified in the 2018 Sewer Collection Master Plan (see p.36), an additional 16,053 ERUs will be added to the System. A more moderate growth of 1.5 percent will produce another 9,112 ERUs. Regardless of the projected growth, the Sewer Treatment Facility has a defined capacity of 18 MGD annual average demand. Therefore, the impact fee analysis will allocate the available capacity based on the current level of service.

LEVEL OF SERVICE STANDARDS

Impact fees cannot be used to finance an increase in the level of service to current or future users of capital improvements. Therefore, it is important to identify the wastewater level of service to ensure that the new capacities of projects financed through impact fees do not exceed the established standard. The 2018 Sewer Collection Master Plan identifies the existing level of service on a per ERU basis. According to the Impact Fee Act, the proposed level of service may diminish or equal the existing level of service. The existing level of service identified in the Master Plan assumes each future ERU will contribute an average sanitary flow of 0.17 GPM, or 70 gallons per person per day. This equates to 245 GPD per ERU, assuming an average household size of 3.5 people for each.⁷

⁶ UC 11-36a-402, 1(j),
⁷ 2018 Wastewater Collection Master Plan IFFP, p. 36



SECTION 4: EXISTING FACILITIES INVENTORY

EXCESS CAPACITY

The Environmental Department's existing regional wastewater treatment consists of 460 acres of lagoons, and 240 acres of wetlands to treat and further polish wastewater. While the construction of the new treatment facility is needed to further treat for phosphorus and ammonia removal, existing facilities will continue to be utilized to provide storage facilities to existing and future ERUs to account for max day flows. This analysis includes a buy-in to existing facilities to account for this capacity. The existing sewer treatment infrastructure has an original value of \$16,561,911. This includes pump stations, land, and improvements. The capacity of the lagoon system is applied to the total treatment capacity of the system, or 18 MGD.

MANNER OF FINANCING EXISTING PUBLIC FACILITIES

There is currently no outstanding debt related to the wastewater treatment system. This analysis assumes future growth-related facilities will be funded through a combination of utility revenues, impact fee revenues and debt financing.



SECTION 5: CAPITAL FACILITY ANALYSIS

The estimated costs attributed to new growth were analyzed based on existing development versus future development patterns. From this analysis, a portion of future development costs were attributed to new growth and included in this impact fee analysis as shown in Table 5.1. Capital projects related to curing existing deficiencies were not included in the calculation of the impact fees. The costs of projects related to curing existing deficiencies cannot be funded through impact fees.

Based on capacity of the proposed improvements, the treatment facility can serve an additional 4.3 MGD, which represent 24 percent of the total capacity of the facility. Based on the existing LOS, this will serve an additional 17,551 ERUs.

TABLE 5.1: ILLUSTRATION OF CAPITAL IMPROVEMENTS SCHEDULED TO BE COMPLETED

FUTURE FACILITIES	TOTAL CONSTRUCTION YEAR COST	% TO GROWTH	COST TO GROWTH	% CITY FUNDED	TOTAL IMPACT FEE ELIGIBLE COST
New Treatment Facility	\$150,271,315	24%	\$35,898,147	100%	\$35,898,147
Interest	\$11,875,235	24%	\$2,836,862	100%	\$2,836,862
Total	\$162,146,550		\$38,735,009		\$38,735,009

The treatment facility is anticipated to cost a total of \$162,146,550. \$38,735,009, or 24 percent of the total cost, is considered impact fee eligible capital cost.

SYSTEM VS. PROJECT IMPROVEMENTS

System improvements are defined as existing and future public facilities designed to provide services to service areas within the community at large.⁸ Project improvements are improvements and facilities that are planned and designed to provide service for a specific development (resulting from a development activity) and considered necessary for the use and convenience of the occupants or users of that development.⁹ To the extent possible, this analysis only includes the costs of system improvements related to new growth within the proportionate share analysis.

FUNDING OF FUTURE FACILITIES

The IFFP must also include a consideration of all revenue sources, including impact fees and the dedication of system improvements, which may be used to finance system improvements.¹⁰ In conjunction with this revenue analysis, there must be a determination that impact fees are necessary to achieve an equitable allocation of the costs of the new facilities between the new and existing users.¹¹

Other revenues such as utility rate revenues will be necessary to fund non growth-related projects and to fund growth-related projects when sufficient impact fee revenues are not available. In the latter case, impact fee revenues will be used to repay utility rate revenues for growth related projects. A brief description of alternative financing options is included below.

- ☐ **Utility Rate Revenues:** Utility rate revenues serve as the primary funding mechanism within enterprise funds. Rates are established to ensure appropriate coverage of all operations and maintenance expenses, debt service coverage, and capital project needs. Impact fee revenues are generally considered non-operating revenues and help offset future capital costs.
- ☐ **Grants, Donations and Other Contributions:** Grants and donations are not expected as a future funding source. The impact fees should be adjusted if grant monies are received. New development may be entitled to a reimbursement for any grants or donations received for growth related projects, or for developer funded IFFP projects.
- ☐ **Debt Financing:** The City will utilize debt financing to fund future capital facility projects.

The City has acquired low interest loans from the Utah Division of Water Quality, the State of Utah's Community Impact Board, and cash reserves or tax-exempt bonding in the public markets for the balance of the project. In addition, utility rate revenue and fund balances will be used to fund the project. Impact fees can be used to pay the proposed debt service, pay back existing rate payers and replenish the fund balance for the growth-related portions of the project. Future financing costs are illustrated in Table 5.2. A total of \$11.8M in interest cost is included in this analysis and added to the total cost found in Table 5.1.

⁸ 11-36a-102(2);
⁹ 11-36a-102(1);
¹⁰ 11-36a-302(2);
¹¹ 11-36a-302(3)



TABLE 5.2: ILLUSTRATION OF PROPOSED FINANCING MECHANISMS

FISCAL YEAR	2016 TAXABLE SEWER TREATMENT REVENUE BONDS		2018A STATE SEWER REVENUE BONDS		2018B CIB SEWER REVENUE BONDS	
	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL
2019-20	-	-	23,504	-	94,941	-
2020-21	-	-	300,000	532,000	150,000	430,000
2021-22	-	3,257,000	292,020	540,000	143,550	435,000
2022-23	500,573	3,282,000	283,920	549,000	137,025	440,000
2023-24	475,958	3,306,000	275,685	557,000	130,425	445,000
2024-25	451,163	3,331,000	267,330	565,000	123,750	455,000
2025-26	426,180	3,356,000	258,855	574,000	116,925	465,000
2026-27	401,010	3,381,000	250,245	582,000	109,950	470,000
2027-28	375,653	3,406,000	241,515	591,000	102,900	480,000
2028-29	350,108	3,432,000	232,650	600,000	95,700	490,000
2029-30	324,368	3,458,000	223,650	609,000	88,350	495,000
2030-31	298,433	3,484,000	214,515	618,000	80,925	500,000
2031-32	272,303	3,510,000	205,245	627,000	73,425	510,000
2032-33	245,978	3,536,000	195,840	637,000	65,775	520,000
2033-34	219,458	3,563,000	186,285	646,000	57,975	530,000
2034-35	192,735	3,589,000	176,595	656,000	50,025	535,000
2035-36	165,818	3,616,000	166,755	666,000	42,000	545,000
2036-37	138,698	3,643,000	156,765	676,000	33,825	550,000
2037-38	111,375	3,671,000	146,625	686,000	25,575	560,000
2038-39	83,843	3,698,000	136,335	696,000	17,175	570,000
2039-40	56,108	3,726,000	125,895	707,000	8,625	575,000
2040-41	28,163	3,755,000	115,290	718,000	-	-
2041-42	-	-	104,520	729,000	-	-
2042-43	-	-	93,585	740,000	-	-
2043-44	-	-	82,485	751,000	-	-
2044-45	-	-	71,220	762,000	-	-
2045-46	-	-	59,790	774,000	-	-
2046-47	-	-	48,180	785,000	-	-
2047-48	-	-	36,405	797,000	-	-
2048-49	-	-	24,450	809,000	-	-
2049-50	-	-	12,315	821,000	-	-
Total	\$5,117,925	\$70,000,000	\$5,008,469	\$20,000,000	\$1,748,841	\$10,000,000

PROPOSED CREDITS OWED TO DEVELOPMENT

The Impact Fees Act requires a local political subdivision or private entity to ensure that the impact fee enactment allows a developer, including a school district or a charter school, to receive a credit against or proportionate reimbursement of an impact fee if the developer: (a) dedicates land for a system improvement; (b) builds and dedicates some or all of a system improvement; or (c) dedicates a public facility that the local political subdivision or private entity and the developer agree will reduce the need for a system improvement.¹² The facilities must be considered system improvements or be dedicated to the public, and offset the need for an improvement identified in the IFFP.

EQUITY OF IMPACT FEES

Impact fees are intended to recover the costs of capital infrastructure that relate to future growth. The impact fee calculations are structured for impact fees to fund 100 percent of the growth-related facilities identified in the proportionate share analysis as presented in the impact fee analysis. Even so, there may be years that impact fee revenues cannot cover the annual growth-related expenses. In those years, other revenues such as general fund revenues will be used to make up any annual deficits. Any borrowed funds are to be repaid in their entirety through impact fees.

¹² 11-35A-402(2)



NECESSITY OF IMPACT FEES

An entity may only impose impact fees on development activity if the entity's plan for financing system improvements establishes that impact fees are necessary to achieve parity between existing and new development. This analysis has identified the improvements to public facilities and the funding mechanisms to complete the suggested improvements. Impact fees are identified as a necessary funding mechanism to help offset the costs of new capital improvements related to new growth. In addition, alternative funding mechanisms are identified to help offset the cost of future capital improvements.

NOT A DRAFT



SECTION 6: WASTEWATER TREATMENT IMPACT FEE CALCULATION

Impact fees are calculated based on many variables centered on proportionality and level of service. The previous sections identified the future demand, the existing and proposed level of service, the availability of excess capacity and the needed future facilities to serve new development. The following section identifies the appropriate impact fee to be assessed to new development to maintain the existing level of service.

PROPOSED WASTEWATER TREATMENT IMPACT FEE

Impact fees can be calculated based on a defined set of costs specified for future development, usually defined within the Master Plan, Capital Improvement Plan and IFFP. The total project costs are divided by the total demand units the projects are designed to serve. Under this methodology, it is important to identify the existing level of service and determine any excess capacity in existing facilities that could serve new growth. Impact fees are then calculated based on many variables centered on proportionality share and level of service.

The wastewater treatment impact fees proposed in this analysis will be assessed within the Service Area. The table below illustrates the appropriate impact fee to maintain the existing level of service, based on the assumptions within this document. The fee below represents the maximum allowable impact fee assignable to new development. The total fee per ERU is **\$2,433**.

TABLE 6.1: IMPACT FEE PER ERU

	TOTAL COST	% TO GROWTH	COST TO IFFP	ERUS SERVED	COST PER ERU
Existing Facilities (Buy-In)	\$16,561,911	24%	\$3,956,456	17,551	\$225
Future Facilities	\$162,146,550	24%	\$38,735,009	17,551	\$2,207
Professional Expense	\$13,050	100%	\$13,050	17,551	\$1
Impact Fee Fund Balance	-	100%	-	17,551	-
Total per ERU			\$42,704,516		\$2,433

NON-STANDARD IMPACT FEES

The City reserves the right under the Impact Fees Act¹³ to assess an adjusted fee that more closely matches the true impact that the land use will have upon the wastewater system. This adjustment could result in a lower impact fee if evidence suggests a particular user will create a different impact than what is standard for its category. The formula for a non-standard impact fee calculation is shown below.

NON-STANDARD IMPACT FEE FORMULA

$$\text{Estimated Flow}/245 \text{ GPD} \times \$2,433 = \text{Impact Fee}$$

CONSIDERATION OF ALL REVENUE SOURCES

The Impact Fees Act requires the proportionate share analysis to demonstrate that impact fees paid by new development are the most equitable method of funding growth-related infrastructure. See Section 5 for further discussion regarding the consideration of revenue sources.

EXPENDITURE OF IMPACT FEES

Legislation requires that impact fees should be spent or encumbered within six years after each impact fee is paid. Impact fees collected in the next five to six years should be spent only on those projects outlined in the IFFP as growth related costs to maintain the level of service.

GROWTH-DRIVEN EXTRAORDINARY COSTS

The City does not anticipate any extraordinary costs necessary to provide services to future development.

SUMMARY OF TIME PRICE DIFFERENTIAL

The Impact Fees Act allows for the inclusion of a time price differential to ensure that the future value of costs incurred at a later date are accurately calculated to include the costs of construction inflation. While an inflation component may be included in the impact fee analysis to reflect the future cost of facilities, at the request of the City it is not considered in the cost estimates in this study. However, the impact fee analysis should be updated regularly to account for changes in costs estimates over time.

¹³ 11-36A-102(1)(c)