

Lehi City

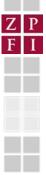
Culinary Water Impact Fee Analysis





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EXECUTIVE SUMMARY

Lehi City, Utah (the City) recently commissioned Zions Public Finance, Inc. (Zions) to calculate the City's culinary water impact fees in accordance with Utah State Law. An impact fee is a payment of money imposed upon new development activity as a condition of development approval to mitigate the impact of the new development on public infrastructure. In conjunction with this project, Bowen Collins & Associates (BC&A) prepared the *Impact Fee Facilities Plan for Culinary Water* (IFFP).

The recommended impact fee structure presented in this analysis has been prepared to satisfy the Impact Fees Act, Utah Code Ann. § 11-36a-101 et. seq., and represents the maximum impact fees that the City may assess. As impact fees may only be used to perpetuate the current level of service, the City will be required to use other revenue sources to fund any projects identified in the IFFP that constitute repair and replacement, cure any existing deficiencies, or increase the level of service for existing users.

LEHI CITY WATER SYSTEM OVERVIEW

City-wide Service Area

The culinary water impact fee will be assessed to a single, City-wide service area. The City also has a pressurized irrigation system that serves the entire City's outdoor water needs.

There are currently no outstanding bonds related to the culinary water system although there are two outstanding notes that are not impact fee qualifying. The City has determined that a new \$8M water revenue bond will be issued in 2018. Proceeds will be applied 50% to culinary water and 50% to pressurized irrigation. The qualifying interest portion of the bond that relates to culinary water has been included in the impact fees. The calculation is shown in Figure 3.4 of this analysis.

Many projects identified in the IFFP will be used to cure existing deficiencies that will benefit existing users. The portion of a project's cost that cures a deficiency cannot be funded with impact fees and will be paid for with water user fees.

<u>Level of Service – Equivalent Residential Unit</u>

Level of service (LOS) defines the demands that a typical residential user will place on the culinary water system. LOS is defined in terms of an Equivalent Residential Unit (ERU) which represents the average demand of a single-family residence in Lehi. The demands of non-residential properties can be expressed as multiples of an ERU based on equivalent meter sizes as shown in Figure ES.2.

Impact fee law prohibits the use of impact fees to increase the LOS above the current demands. At times, a water system may need to increase a level of service to cure an existing deficiency but projects fixing deficiencies must be paid for by non-impact fee revenues and a credit must be provided to the impact fee payer. It is assumed that the proposed LOS is equal to the historic observed demands.

In this document, the LOS per ERU is equated to an average day demand of 254.8 gallons per day (GPD) or an average annual demand of 93,002 gallons (254.8 multiplied by 365 days). Peak day demands have been



observed to have a peaking factor of 1.59 (405.7 gpd/254.8 gpd)¹. This means that on the peak annual day usage an ERU's demand can climb to 405.7 gpd.

In 2016 the City served 17,849 ERUs which is anticipated to grow to approximately 23,523 ERUs by 2026. The culinary water impact fees are calculated by dividing the cost of existing and future projects by the ten-year demand increase of 5,674 ERUs. The City is expected to grow to 51,269 ERUs by buildout.

CITY-WIDE SERVICE AREA CULINARY WATER IMPACT FEE CALCULATION

The bottom line of Figure ES.1 shows a total of approximately \$46.3M existing assets and future water costs that are impact fee eligible; however, only \$7M of these assets will meet the ten-year demand. This cost is divided by 5,674 ERUs that will add to the City-wide service area over the next ten years and results in an impact fee of \$1,194.07 per ERU.

FIGURE ES.1: IMPACT FEE PER CULINARY WATER ERU

Component	Total Cost to	% That will Serve Ten Year Demand	Dollar Amount that will Serve Ten Year Demand	Ten Year Demand (ERU)	Co	Cost per ERU	
CULINARY PRODUCTION/ TREATMENT							
Future 10 Year Capital Projects	\$ 2,369,0	0 42.20%	\$ 999,718	5,674	\$	176	
Future Production Related Debt to be Issued - INTEREST ONLY		- 0.00%	-	5,674		-	
Existing Production - Sandpit	2,457,8	0.39%	9,643	5,674		2	
Existing Production- CWP Gardner and Holbrook	1,533,6	0 35.29%	541,156	5,674		95	
Existing Production Related Debt - INTEREST ONLY		- 0.00%	-	5,674		-	
Production/Treatment Subtotal	\$ 6,360,4	8	\$ 1,550,516		\$	273.27	
CULINARY STORAGE							
Future 10 Year Capital Projects	\$ 10,422,0	0 26.86%	\$ 2,799,702	5,674	\$	493	
Future Storage Related Debt to be Issued - INTEREST ONLY	1,744,2	8 29.55%	515,472	5,674		91	
Existing Storage Projects	5,450,1	.8 5.54%	301,831	5,674	1	53	
Existing Storage Related Debt - OUTSTANDING INTEREST		- 0.00%	-	5,674	lacksquare	-	
Storage Subtotal	\$ 17,616,3	06	\$ 3,617,005		\$	637.47	
CULINARY TRANSMISSION/PUMPING							
Future 10 Year Capital Projects	\$ 8,551,0	0 12.12%	\$ 1,036,199	5,674	\$	183	
Future Transmission Related Debt to be Issued - INTEREST ONLY		- 0.00%	-	5,674		-	
Existing Transmission Projects	13,704,6	0 6.10%	835,985	5,674		147	
Existing Transmission Related Debt - OUTSTANDING INTEREST		- 0.00%	-	5,674	lacksquare		
Transmission/Pumping Subtotal	\$ 22,255,6	0	\$ 1,872,184		\$	329.96	
Professional Services/ Credits							
Unspent Impact Fee Funds (Excluding Uncommitted Funds)		- 0.00%	\$ -	5,674	\$	-	
Credit for Projects Benefitting Existing Users*				5,674	T	(57.20)	
Professional Services Expense	60,0	0 100%	60,000	5,674	1	11	
Professional Services/Credits Subtotal	60,0	0	60,000			(46.62)	
Total Impact Fee Per ERU	\$ 46,292,5	4	\$ 7,099,705		\$	1,194.07	

^{*}See Appendix H for credit calculation

¹ Bowen Collins IFFP



PROPOSED CULINARY WATER IMPACT FEE METER MULTIPLIERS

Figure ES.2 shows the impact fee according to meter size. Using meter multipliers is a very common and simple method of assessing impact fees. The size of meter chosen for a connection determines the maximum flow that can pass through the meter and therefore the potential impact that the connection can place on the system. The multipliers shown in Figure ES.2 are based upon the equivalent flows of meters installed by Lehi City.

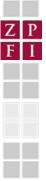
FIGURE ES.2: MAXIMUM LEGAL CULINARY WATER IMPACT FEE

Unit Type	Fe	e per ERU	Meter Size	Equivalency Ratio	pact Fee by Meter Size
Residential	\$	1,194.07	per dwelling unit	1.00	\$ 1,194.07
			3/4"	1.00	1,194.07
			1"	2.67	3,184.19
Non Desidential/			1 1/2"	3.33	3,980.23
Non-Residential/ Multi-Family			2"	10.67	12,736.75
Residential			3"	23.33	27,861.64
Residential			4"	42.00	50,150.95
			6"	93.33	111,446.56
			8"	160.00	191,051.25

The City reserves the right under the Impact Fees Act (Utah Code 11-36a-402(1)(c,d)) to assess an adjusted fee to respond to unusual circumstances and to ensure that the impact fees are assessed fairly. The impact fee ordinance must include a provision that permits adjustment of the fee for a development based upon studies and data submitted by the developer that indicate a more realistic and accurate impact upon the City's infrastructure. The impact fee formula shown below in Figure ES.3 for a non-standard user is based upon the user's anticipated annual water demand.

FIGURE ES.3: CALCULATION OF CITY-WIDE NON-STANDARD IMPACT FEE

Non-Standard Users Impact Fee Formula
Step 1: Identify Estimated Average Annual Demand (Gallons) of Proposed
Step 2: Multiply Average Annual Demand by Impact Fee per Gallon of \$0.013



CHAPTER 1: OVERVIEW OF THE CULINARY WATER IMPACT FEES

PURPOSE OF AN IMPACT FEE

An impact fee is a payment of money imposed upon new development activity as a condition of development approval to mitigate the impact of new development on public infrastructure. An impact fee recovers the City's capital costs of excess culinary water capacity reserved for new growth and the costs of future projects that add new capacity for growth. The impact fee is charged directly to new development as a condition of receiving a building permit. Impact fees prevent existing users from paying growth-related costs through user rates. Impact fees also provide a mechanism for developers to construct system improvements at their own cost, but receive repayment through impact fees from other developers benefitting from the improvements through reimbursement agreements with the City.

The Utah Impact Fees Act allows only certain costs to be included in an impact fee to fairly charge the true cost of system expansion to developers. Eligible costs include future and historic projects that have capacity available to serve growth, future or outstanding debt related to these eligible projects, and certain professional expenses related to planning for growth. Project improvements that were built by developers to serve a specific development cannot be included in the impact fee. System improvements that cure a deficiency or enhance the LOS may not be included either.

This impact fee analysis provides documentation that there is a fair comparison, or rational nexus, between the impact fee charged to new development and the impact that growth has on the system. Impact fees are charged to different types of residential and non-residential development and in this document, are scaled according to meter size as an estimate of the impact on the culinary water system.

COSTS TO BE INCLUDED IN THE IMPACT FEE

Impact fees are generally calculated based upon the following costs:

- New culinary water capital infrastructure for production/treatment, storage, and transmission/pumping that will serve new development;
- Professional and planning expenses related to the construction of system improvements that will serve new development;
- Historic costs of existing improvements that have excess capacity that can serve new development.

The costs that cannot be included in the impact fee are as follows:

- Projects that cure system deficiencies for existing users;
- Any project portions that increase the level of service above that which is currently provided;
- Operations and maintenance costs;
- Costs of facilities funded by grants or other funds that the City does not have to repay; and
- Costs of reconstruction of facilities that do not have capacity to serve new growth.



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ASSESSMENT OF AN IMPACT FEE

The City will assess the impact fee as part of the building permit process. New connections will pay the impact fee before a final building permit is issued. The impact fee will be determined by meter size or according to a non-standard water impact fee calculation if certain water demand data is provided according to City policy. Remodels and expansions of existing facilities will also need to pay an impact fee if the culinary water meter size is increased, but will only pay the difference in the fee for the new meter size minus the fee for the existing meter size. For example, if a building currently has a ¾" meter but requires a 1" meter following an expansion, only the difference between the impact fee for a 1" meter and a 3/4" meter will be paid. The same approach applies to redevelopment projects.



CHAPTER 2: IMPACT FROM GROWTH UPON THE CITY'S FACILITIES AND LEVEL OF SERVICE

The City will assess the impact fee to a single, City-wide service area. The facilities that pertain to the service area are the major transmission/pumping, production/treatment, and storage facilities that produce and circulate water throughout the entire City. A map of the City-wide service area is included in Appendix A of this report.

PROPOSED LEHI CULINARY DEMANDS

Lehi's culinary water system currently serves 17,849 Equivalent Residential Units (ERUs) which will grow to an estimated 23,523 ERUs by 2026. This impact fee analysis is based on a 10-year growth window. Figure 2.1 shows culinary water growth projections in the Lehi service area. The estimated growth in culinary water demand for the next ten years is scheduled to be 5,674 ERUs.

FIGURE 2.1: PROJECTED GROWTH IN CULINARY WATER DEMAND

Year	Single Family Units	Multifamily Units	Non-Residential Area (ksf)	Total City-Wide ERUs	Peak Day Demand (Mgd)	Peak Day Production Requirement (mgd)	Annual Demand (ac ft)
2016	13,230	3,536	12,486	17,849	7.24	9.62	5,094
2017	13,651	3,649	12,883	18,417	7.47	9.94	5,256
2018	14,071	3,761	13,280	18,984	7.70	10.26	5,216
2019	14,492	3,874	13,677	19,552	7.93	10.58	5,226
2020	14,912	3,986	14,074	20,119	8.16	10.90	5,742
2021	15,333	4,098	14,471	20,686	8.39	11.20	5,904
2022	15,753	4,211	14,868	21,254	8.62	11.50	6,066
2023	16,174	4,323	15,265	21,821	8.85	11.80	6,228
2024	16,595	4,435	15,661	22,388	9.08	12.10	6,390
2025	17,015	4,548	16,058	22,956	9.31	12.40	6,552
2026	17,436	4,660	16,455	23,523	9.54	12.70	6,714
2030	19,108	5,107	18,033	25,779	10.40	13.90	7,358
2040	23,288	6,224	21,978	31,419	12.70	17.00	8,967
2050	27,469	7,342	25,924	37,059	15.00	20.00	10,577
2060	31,649	8,459	29,869	42,699	17.30	23.00	12,187
Buildout	32,902	8,922	78,318	51,269	20.90	27.90	14,770

Figure 2.2 summarizes the baseline measured demand (year 2016) and ten-year demand (year 2026). 5,674 ERUs are expected to be added in the ten-year impact fee horizon.

FIGURE 2.2: GROWTH IN ERUS THROUGH 2026

Ten-Year Culinary Water Dem	nand (ERU)
2016 Demand (ERU)	17,849
2026 Demand (ERU)	23,523
Differential	5,674
% Undeveloped	24%
ERUs Added in Ten Years	5,674

Source: IFFP for Culinary Water Prepared by BC&A



EXISTING AND PROPOSED LEVEL OF SERVICE ANALYSIS

An impact fee per ERU must balance the capacity of the facilities and the number of ERUs that will be added in ten years. The culinary water IFFP prepared by BC&A has identified the existing and future water projects and calculated the percentage of each project's capacity that will be used to meet the ten-year growth. The number of new ERUs that a project can still serve is determined by dividing the LOS per ERU by the amount of unused capacity in the project.

Level of service defines how much of the culinary water system a typical residential user, defined as an Equivalent Residential Unit, will require and should pay for with an impact fee. LOS is based upon historic observed water demands per ERU. Impact fee law prohibits the use of impact fees to increase the LOS above the current demands. At times, a water system may need to increase a level of service to cure an existing deficiency but projects fixing deficiencies must be paid for with non-impact fee revenues and a credit must be provided to the impact fee payer. It is assumed that LOS is not increased in this document above historic observed demands.

LOS is calculated in terms of average day demand and peak day demand. In this document, the LOS per ERU is equated to an average day demand of 254.8 gallons per day (GPD). Peak day demands have been observed to have a peaking factor of 1.59 (405.7 gpd/254.8 gpd)². This means that on the peak annual day usage an ERU's demand can climb to 405.7 gpd. A single family residential home is equated to one ERU but non-residential properties can be converted to a number of equivalent ERUs using meter multipliers described in Chapter 5 of this report.

The detailed LOS standards that allow the system to provide 254.8 GPD per ERU are shown in Figure 2.3.

FIGURE 2.3: LEVEL OF SERVICE SUMMARY

	Performance Standard	Current Level of Service	Proposed Level of Service
Production Capacity			
Production Capacity (gdp/ERU)	540	838	540
Pumping Capacity			
Pumping Capacity (gdp/ERU)	406	585	406
Storage			
Storage (gallons/ERU)	400	500	400
Transmission and Distribution			
Peak Day Demand Pressure (psi)	40	35	40
Peak Hour Demand Pressure (psi)	30	29	30
Minimum Available Fire Flow at 50 psi during Peak Day Demand (gpm)	550	146	550

	Level of Service
Average Day Demand (gpd/ERU)	254.80
Peak Day Demand (gpd/ERU)	405.70
Peak Hour Demand (gpd/ERU)	811.40

Source: Water Impact Fee Facilities Plan Table 1 Prepared By Bowen Collins & Associates

² Bowen Collins IFFP



CHAPTER 3: HISTORIC AND FUTURE CULINARY WATER CAPITAL PROJECTS

HISTORIC CAPITAL PROJECT COSTS BY WATER COMPONENTS

The City is entitled to recover a portion of existing water costs assuming that the assets are: system improvements, funded by the City or a developer in-lieu of impact fees, are currently in service, have a life of more than 10 years, and do not constitute repair and replacement.

Appendix E includes a list of capital assets reviewed by the City Water Department to determine which projects are impact fee qualifying. The costs used are strictly historic costs taken from the City's depreciation statements and construction records to determine the actual costs incurred by the City.

Figure 3.1 shows the division of historic capital project costs between qualifying assets such as existing wells, storage reservoirs, treatment facilities, and transmission lines. These costs include only capital assets, they do not include standard O&M expenses. The total water historic cost is approximately \$47.2M. Non-qualifying assets include items such as repair and replacement (R&R), storm improvements included in the water fund, items costing less than \$5,000, fund reimbursements, and developer contributions also known as project improvements.

Figures 3.1 shows the detailed categories in the depreciation statement and the asset value that pertains to each category by component. After a careful review of water assets, City staff determined that only \$21.6M are impact fee qualifying water system improvements. Figure 3.2 sorts the costs as qualifying or non-qualifying. The resulting qualifying cost of existing assets is used in calculating the impact fee in Figure 4.1.

FIGURE 3.1: EXISTING CULINARY WATER ASSETS SUMMARY

				CULINARY	WATER EXIST	ING ASSET	S			
	Equipment	Planning	Pumping	Source	Storage	Storm	Supply	Transmission	Unknown	Grand Total
Buildings/ Structures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 751,511	\$ 751,511
Improvements	136,110	-	343,788	3,490,135	5,545,195	26,260	-	14,287,537	1,377,182	25,206,207
Land	-	-	-	378,386	-	-	-	620,381	-	998,767
Water Rights	-	-	-	-	-	-	1,179,644	-	-	1,179,644
Wells,Pumps	-	-	-	2,836,850	-	-	-	-	-	2,836,850
Contributed	-	-	-	-	-	-	-	15,829,298	-	15,829,298
Planning	-	427,271	-	-	-	-	-	-	-	427,271
Grand Total	\$ 136,110	\$427,271	\$343,788	\$6,705,370	\$5,545,195	\$26,260	\$1,179,644	\$30,737,216	\$2,128,693	\$ 47,229,547

FIGURE 3.2: QUALIFYING CULINARY WATER ASSETS SUMMARY

IMPACT FEE QUALIFYING ASSETS											
	Equipment	Planning	Pumping	Source	Storage	Storm	Supply	Transmission	Unknown	Grand Total	
Non-Qualifying	\$ 136,110	\$427,271	\$ 82,827	\$4,247,473	\$ 95,077	\$26,260	\$1,179,644	\$17,293,507	\$2,128,693	\$ 25,616,861	
Qualifying	-	-	260,961	2,457,898	5,450,118	-	-	13,443,709	-	21,612,686	
Grand Total	\$ 136,110	\$427,271	\$343,788	\$6,705,370	\$5,545,195	\$26,260	\$1,179,644	\$30,737,216	\$2,128,693	\$ 47,229,547	



FUTURE 10 YEAR CULINARY WATER CAPITAL PROJECTS

In the next ten years, the City anticipates building various projects including a well, several storage improvements, and transmission lines. All construction estimates have been prepared in 2018 dollars. The City has determined that it will not include inflation in projected construction costs. The costs of future capital projects are defined in the corresponding Impact Fees Facilities Plan prepared by BC&A. As shown in Figure 3.3, project costs were sorted by whether they will meet 10-year impact fee qualifying demand, beyond tenyear demand, or non-qualifying (which includes portions of the projects that will be utilized by existing users).

The total cost of culinary water improvements to be built in ten years is \$21,342,000 in 2018 dollars. Although the Impact Fees Act allows this cost to be increased for construction inflation the City has chosen to keep all future project costs at 2018 prices. \$4,835,619 is the portion of the total future project cost that will serve the ten-year demand.

FIGURE 3.3: FUTURE CULINARY WATER CAPITAL PROJECT COSTS

Project Name	Year to be Constructed	2018 Cost		Construction Cost with Inflation		10 Year Impact Fee Qualifying Cost		Impact Fee Qualifying Beyond 10 Years		Non Impact Fee Qualifying	
Production/Treatment											
Flight Park Well	2017	\$	2,369,000	\$	2,369,000	\$	999,718	\$	1,369,282	\$	=
Source Subtotal		\$	2,369,000	\$	2,369,000	\$	999,718	\$	1,369,282	\$	-
Storage											
West Side 1 (2.3 MG)	2017	\$	2,271,000	\$	2,271,000	\$	728,991	\$	1,542,009	\$	=
600 East Replacement (2.3 MG)	2018		3,124,000		3,124,000		865,348		1,171,500		1,087,152
Holbrook Upper (0.8 MG)	2022		2,012,000		2,012,000		370,208		1,641,792		-
Sand Pit (2 MG)	2019		3,015,000		3,015,000		835,155		2,179,845		-
Storage Subtotal		\$	10,422,000	\$	10,422,000	\$	2,799,702	\$	6,535,146	\$	1,087,152
Transmission/Pumping											
To Pilgrims Booster	2019	\$	415,000	\$	415,000	\$	4,150	\$	266,430	\$	144,420
Holbrook Upper	2025		355,000		355,000		65,320		289,680		-
CWP to West Side 1 Tank	2020		237,000		237,000		100,014		136,986		=
West of River, North of 2100 N	2021		1,195,000		1,195,000		485,170		709,830		-
Bull River Rd	2018		207,000		207,000		11,385		109,089		86,526
West of River, South of 2100 N	2022		153,000		153,000		62,118		90,882		-
Sandpit Tank Connection	2019		1,553,000		1,553,000		55,908		847,938		649,154
400 E 400 N	2024		6,000		6,000		108		5,658		234
600 East Tank Connection	2018		3,706,000		3,706,000		202,672		3,503,328		-
Lehi Jr High	2022		188,000		188,000		3,948		105,468		78,584
900 N 1300 W	2018		18,000		18,000		990		9,486		7,524
1100 W Woods Dr	2023		5,000		5,000		75		2,835		2,090
Main St 2000 W	2022		26,000		26,000		546		14,586		10,868
200 S 1400 E	2022		237,000		237,000		4,977		132,957		99,066
1100 W 800 S	2024		3,000		3,000		30		1,716		1,254
Holbrook Upper	2022		202,000		202,000		37,168		164,832		-
Pilgrims Tank Booster-Phase 1	2019		45,000		45,000		1,620		24,570		18,810
Conveyance Subtotal		\$	8,551,000	\$	8,551,000	\$	1,036,199	\$	6,416,271	\$	1,098,530
Ten Year Total		\$	21,342,000	\$	21,342,000	\$	4,835,619	\$	14,320,699	\$	2,185,682

Source: Bowen Collins & Associates Culinary Water Impact Fee Facility Plan

FUTURE CULINARY WATER REVENUE BONDS

In early 2018, the City anticipates issuing approximately \$8M in water revenue bonds that will be split 50%/50% between culinary water and pressurized irrigation. The full projected debt service schedule is shown in Appendix G of this report. Only the interest and costs of issuance of the bond is added to the impact fee as the principal is already included as the cost of the project constructed. Interest and cost of issuance for the

^{*}Future Inflation Was Not Included Per Direction of the City's Impact Fee Legal Counsel

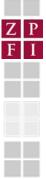


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entire bond totals \$1,744,278 for the culinary water portion. Figure 3.4 shows that \$515,472 or approximately 30% of the bond interest and costs of issuance will be included in the proposed impact fee.

FIGURE 3.4: FUTURE CULINARY WATER BOND INTEREST ALLOCATION

Series 2018	Во	Bond Interest		\$ to Existing / Project Level			\$ Impact Fee Qualifying - 10 Year		\$ Impact Fee Qualifying - Beyond 10 Year		Totals
West Side 1 (2.3 MG)	\$	734,246	\$	-	\$	235,693	\$	498,553	\$ 734,246		
600 East Replacement (2.3 MG) - Bond		1,010,033		351,491		279,779		378,762	1,010,033		
GRAND TOTAL	\$	1,744,278	\$	351,491	\$	515,472	\$	877,315	\$ 1,744,278		



CHAPTER 4: PROPORTIONATE SHARE ANALYSIS

The Impact Fees Act requires the impact fee analysis to estimate the proportionate share of the historic and future cost of system improvements that benefit new growth and can be recouped through impact fees. The proportionate share of all existing and future projects is shown in Figure 4.1. This chapter will show that the proposed impact fee is reasonably related to an ERU's impact on the culinary water system from future development activity.

MANNER OF FUNDING

The proportionate share analysis considers the manner of funding utilized for existing public facilities. Historically the City has funded existing infrastructure with revenue sources including water user rates and miscellaneous fees, water impact fees, and bond proceeds.

In the future, the City will rely solely upon user rate revenues to fund the operations and maintenance of the system. Some rate revenues may be used to pay impact fee qualifying expenses in years when impact fee revenues are insufficient to cover the qualifying cost. However, if rate revenues are used to pay what should be funded through impact fees (due to a shortfall in impact fee revenues) then the water operating fund will be repaid with impact fees.

Grant funding is not secured at this time; therefore, if any grants are received, future impact fees will be discounted according to the size of grant and what impact fee qualifying projects are funded by such grants.

Developer and Reimbursement Credits

If a project included in the Impact Fee Facilities Plan (or a project that will offset the demand for a system improvement that is listed in the IFFP) is constructed by a developer, then that developer is entitled to a credit against impact fees owed. (Utah Impact Fees Act, 11-36a-304(2)(f)).

Time-Price Differential

Utah Code 11-36a-301(2)(h) allows for the inclusion of a time-price differential to create fairness for costs of projects paid at different times. All users who pay an impact fee today or within the next ten years will benefit from projects to be constructed and included in the fee. Although permissible according to impact fee code, the City's legal counsel has recommended that the City not include inflation for future capital projects.

MAXIMUM LEGAL CULINARY WATER IMPACT FEE PER ERU

The maximum impact fee is based on the combination of individual costs for the components of production, treatment, storage, pumping, transmission, and allowable professional fees. Each fee for individual components is based upon the historic and future costs divided by the total and available capacities. The result is a very precise impact fee that complies with the Impact Fees Act. As shown in Figure 4.1, the maximum legal impact fee per ERU of culinary water demand is calculated to be \$1,194.07.

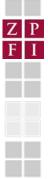


Z P

FIGURE 4.1: CITY-WIDE CULINARY WATER PROPORTIONATE SHARE/COST PER ERU

Component	Total Cost to Component	% That will Serve Ten Year Demand	Dollar Amount that will Serve Ten Year Demand	Ten Year Demand (ERU)	Cost per ERU
CULINARY PRODUCTION/ TREATMENT					
Future 10 Year Capital Projects	\$ 2,369,000	42.20%	\$ 999,718	5,674	\$ 176
Future Production Related Debt to be Issued - INTEREST ONLY	-	0.00%	-	5,674	-
Existing Production - Sandpit	2,457,898	0.39%	9,643	5,674	2
Existing Production- CWP Gardner and Holbrook	1,533,600	35.29%	541,156	5,674	95
Existing Production Related Debt - INTEREST ONLY	-	0.00%	-	5,674	-
Production/Treatment Subtotal	\$ 6,360,498		\$ 1,550,516		\$ 273.27
CULINARY STORAGE					
Future 10 Year Capital Projects	\$ 10,422,000	26.86%	\$ 2,799,702	5,674	\$ 493
Future Storage Related Debt to be Issued - INTEREST ONLY	1,744,278	29.55%	515.472	5,674	91
Existing Storage Projects	5,450,118	5.54%	301,831	5,674	53
Existing Storage Related Debt - OUTSTANDING INTEREST	-	0.00%	-	5,674	-
Storage Subtotal	\$ 17,616,396		\$ 3,617,005		\$ 637.47
CULINARY TRANSMISSION/PUMPING					
Future 10 Year Capital Projects	\$ 8,551,000	12.12%	\$ 1,036,199	5,674	\$ 183
Future Transmission Related Debt to be Issued - INTEREST ONLY	-	0.00%	-	5,674	-
Existing Transmission Projects	13,704,670	6.10%	835,985	5,674	147
Existing Transmission Related Debt - OUTSTANDING INTEREST	-	0.00%	-	5,674	-
Transmission/Pumping Subtotal	\$ 22,255,670		\$ 1,872,184		\$ 329.96
Professional Services/ Credits					
Unspent Impact Fee Funds (Excluding Uncommitted Funds)	-	0.00%	\$ -	5,674	\$ -
Credit for Projects Benefitting Existing Users*				5,674	(57.20)
Professional Services Expense	60,000	100%	60,000	5,674	11
Professional Services/Credits Subtotal	60,000		60,000		(46.62)
Total Impact Fee Per ERU	\$ 46,292,564		\$ 7,099,705		\$ 1,194.07

^{*}See Appendix H for credit calculation



CHAPTER 5: CULINARY WATER IMPACT FEE CALCULATION

DETERMINATION OF RESIDENTIAL AND NON-RESIDENTIAL IMPACT FEES

Figure 5.1 shows the proposed maximum culinary water impact fee that the City can assess according to ERU or meter size. Single family residences are assessed a culinary water impact fee equivalent to one ERU which assumes the typical demand of 254.8 gpd for an average day demand. Non-residential connections and multifamily connections will be assessed a culinary impact fee based on meter size.

Multi-family complexes will be assessed according to the size of the master meter and not according to the number of doors multiplied by the cost per ERU. Many non-residential properties have fire flow for the building and if the sprinkler system feeds through an unmetered standpipe, then an impact fee is not assessed to the standpipe. However, there are master meters that are sized much larger due to fire sprinkler capacity than what the actual water demands of the building would require. In this case, the impact fee should be based on the size of meter that would best serve the needs of the building net of fire flow.

FIGURE 5.1: CITY-WIDE RESIDENTIAL CULINARY WATER IMPACT FEE

Unit Type	Fe	e per ERU	Meter Size	Equivalency Ratio	npact Fee by Meter Size
Residential	\$	1,194.07	per dwelling unit	1.00	\$ 1,194.07
			3/4"	1.00	1,194.07
			1"	2.67	3,184.19
Non Posidontial/			1 1/2"	3.33	3,980.23
Non-Residential/			2"	10.67	12,736.75
Multi-Family Residential			3"	23.33	27,861.64
Residential			4"	42.00	50,150.95
			6"	93.33	111,446.56
			8"	160.00	191,051.25
			_		

NON-STANDARD DEMAND ADJUSTMENTS

The City reserves the right under the Impact Fees Act (Utah Code 11-36a-402(1)(c,d)) to assess an adjusted fee to respond to unusual circumstances and to ensure that the impact fees are assessed fairly. The impact fee ordinance must include a provision that permits adjustment of the impact fee for a development based upon studies and data submitted by the developer that indicate a more realistic and accurate impact upon the City's infrastructure. The impact fee formula shown below in Figure 5.2 for a non-standard user is based upon the anticipated annual water demand.

FIGURE 5.2: CALCULATION OF NON-STANDARD IMPACT FEE

Non-Standard Users Impact Fee Formula
Step 1: Identify Estimated Average Annual Demand (Gallons) of Proposed
Step 2: Multiply Average Annual Demand by Impact Fee per Gallon of \$0.013



APPENDICES: CERTIFICATION, SERVICE AREA MAP, IMPACT FEE CALCULATIONS

Lehi City Culinary Water Impact Fee Analysis



In accordance with Utah Code Annotated, 11-36a-306(2), Zions Public Finance, Inc., makes the following certification:

Zions Public Finance, Inc. certifies that the attached impact fee analysis:

- 1. includes only the cost 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. cost of 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. offset costs with grants or other alternate sources of payment; and
- 4. complies in each and every relevant respect with the Impact Fees Act.

Zions Public Finance makes this certification with the following caveats:

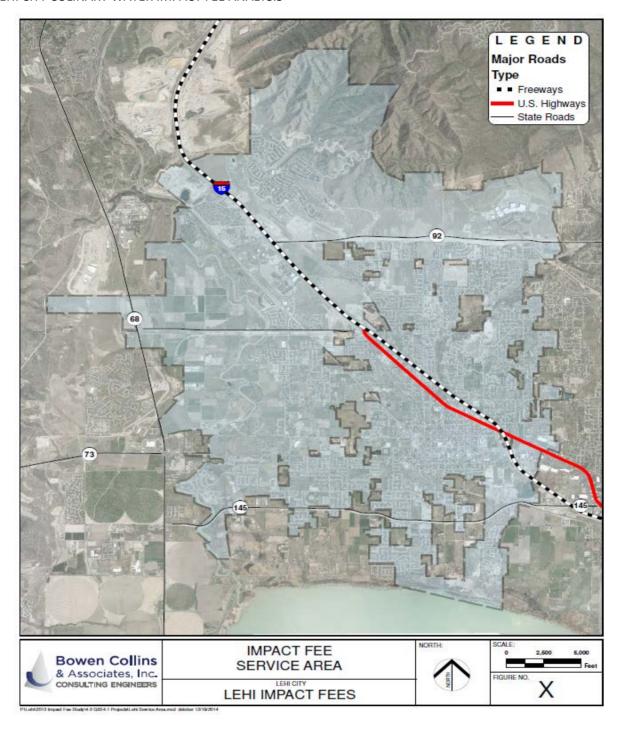
- 1. All of the recommendations for implementations of the Impact Fee Facilities Plan (IFFP) made in the IFFP or in the impact fee analysis are followed in their entirety by City staff and Council in accordance to the specific policies established for the Service Area.
- 2. If all or a portion of the IFFP or impact fee analysis are modified or amended, this certification is no longer valid.
- 3. All information provided to Zions Public Finance, Inc., its contractors or suppliers is assumed to be correct, complete and accurate. This includes information provided by Lehi City and outside sources.

Dated: 4/6/2018

ZIONS PUBLIC FINANCE, INC.

APPENDIX A: MAP OF CULINARY WATER IMPACT FEE SERVICE AREA

LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS



APPENDIX B: ERU DEMAND PROJECTIONS AND LEVEL OF SERVICE (LOS)

LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS

	A TABLE D.4. CURRE	B	C	D	E	F	G	Н	
1	TABLE B.1: CURRE	INT AND FUTURE C	CULINARY WATER D	EMIANDS			Paralla David		1
2	Year	Single Family Units	Multifamily Units	Non-Residential Area (ksf)	Total City-Wide ERUs	Peak Day Demand (Mgd)	Peak Day Production Requirement (mgd)	Annual Demand (ac ft)	2
3	2016	13,230	3,536	12,486	17,849	7.24	9.62	5,094	3
4	2017	13,651	3,649	12,883	18,417	7.47	9.94	5,256	4
5	2018	14,071	3,761	13,280	18,984	7.70	10.26	5,216	5
6	2019	14,492	3,874	13,677	19,552	7.93	10.58	5,226	6
7	2020	14,912	3,986	14,074	20,119	8.16	10.90	5,742	7
8	2021	15,333	4,098	14,471	20,686	8.39	11.20	5,904	8
9	2022	15,753	4,211	14,868	21,254	8.62	11.50	6,066	9
10	2023	16,174	4,323	15,265	21,821	8.85	11.80	6,228	10
11	2024	16,595	4,435	15,661	22,388	9.08	12.10	6,390	11
12	2025	17,015	4,548	16,058	22,956	9.31	12.40	6,552	12
13	2026	17,436	4,660	16,455	23,523	9.54	12.70	6,714	13
14	2030	19,108	5,107	18,033	25,779	10.40	13.90	7,358	14
15	2040	23,288	6,224	21,978	31,419	12.70	17.00	8,967	15
16	2050	27,469	7,342	25,924	37,059	15.00	20.00	10,577	16
17	2060	31,649	8,459	29,869	42,699	17.30	23.00	12,187	17
18	Buildout	32,902	8,922	78,318	51,269	20.90	27.90	14,770	18
19									19
20									20
21									21
22	TABLE B.2: CULINA		•	•					22
23		Culinary Water Der	, ,						23
	2016 Demand (ER	•	17,849						24
	2026 Demand (ER	U)	23,523						25
	Differential		5,674						26
	% Undeveloped		24%						27
	ERUs Added in Te		5,674						28
	Source: IFFP for Co	ulinary Water Prep	ared by BC&A						29
30									30
	Α	В	С	D	Е	F	G	Н	

APPENDIX C: CULINARY WATER LEVEL OF SERVICE (LOS) ANALYSIS

LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS

A B C D

TABLE C.1: CULINARY WATER LEVEL OF SERVICE BY COMPONE

	Performance	Current Level of	Proposed Level of
Production Capacity	Standard	Service	Service
Production Capacity (gpd/ERU)	540	838	540
Pumping Capacity			
Pumping Capacity (gpd/ERU)	406	585	406
Storage			
Storage (gallons/ERU)	400	500	400
Transmission and Distribution			
Peak Day Demand Pressure (psi)	40	35	40
Peak Hour Demand Pressure (psi)	30	29	30
Minimum Available Fire Flow at 50 psi during Peak Day Demand (gpm)	550	146	550

Culinary Water Gallons per Day per ERU Gallons per Day Peak Day Demand (gpd/ERU) Peak Hour Demand (gpd/ERU) Average Day Demand (gpd/ERU)

TABLE C.2: CULIINARY WATER LEVEL OF SERVICE PER ERU

	Level of Service
Average Day Demand (gpd/ERU)	254.80
Peak Day Demand (gpd/ERU)	405.70
Peak Hour Demand (gpd/ERU)	811.40

Source: Water Impact Fee Facilities Plan Table 1 Prepared By Bowen Collins & Associates

A B C D

APPENDIX D: CULINARY WATER 10 YEAR CAPITAL PROJECTS

LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS

Project Name Project Description		Α	В	С	D	E	F	G	н	1	J	К
Project Name Project Low Project Level	TABLE	D.1: CULINARY WATER CAPITAL PRO	DJECTS							Inflation Rate*		0.00%
Ight Park Well		Project Name	Project ID		Qualifying - 10	Qualifying -		2018 Cost			Qualifying Beyond	
S 2,369,000 S 2,369,000 S 999,718 S 1,369,282 S 1,007	Produ	ction/Treatment										
Vest Side 1 (2.3 MG)	Flight	Park Well	CS-1	0.0%	42.2%	57.8%	2017	\$ 2,369,000	\$ 2,369,000	\$ 999,718	\$ 1,369,282	. \$ -
Vest Side 1,2 MG CST-1	Source	e Subtotal						\$ 2,369,000	\$ 2,369,000	\$ 999,718	\$ 1,369,282	\$ -
00 East Replacement (2.3 MG)	Storag	ge										
Inditrook Upper (0.8 MG)	West :	Side 1 (2.3 MG)	CST-1	0.0%	32.1%	67.9%	2017	\$ 2,271,000	\$ 2,271,000	\$ 728,991	\$ 1,542,009	\$ -
and Pit (2 MG)	600 Ea	ast Replacement (2.3 MG)	CST-2	34.8%	27.7%	37.5%	2018	3,124,000	3,124,000	865,348	1,171,500	1,087,152
torage Subtotal S	Holbro	ook Upper (0.8 MG)	CST-4	0.0%	18.4%	81.6%	2022	2,012,000	2,012,000	370,208	1,641,792	-
Transmission/Pumping CB-1 34.80% 1.00% 64.20% 2019 415,000 \$415,000 \$415,000 \$415,000 \$415,000 \$415,000 \$415,000 \$415,000 \$51,000 \$52,000 \$55,000 \$55,000 \$55,000 \$55,000 \$55,000 \$55,000 \$65,320 \$286,680 \$-289,680 \$-290,000 \$-289,680 \$-290,000 \$-29	Sand F	Pit (2 MG)	CST-5	0.0%	27.7%	72.3%	2019	3,015,000	3,015,000	835,155	2,179,845	-
O Pilgrims Booster CB-1 34.80% 1.00% 64.20% 2019 \$ 415,000 \$ 415,000 \$ 4,150 \$ 266,430 \$ 144,420 lolbrook Upper CB-2 0.00% 18.40% 81.60% 2025 355,000 355,000 65,320 289,680 - West Side 1 Tank CB-3 0.00% 42.20% 57.80% 2020 237,000 100,014 136,986 - West of River, North of 2100 N CC-03 0.0% 40.6% 59.4% 2021 1,195,000 11,195,000 485,170 709,830 - West of River, North of 2100 N CC-07 41.8% 5.5% 52.7% 2018 207,000 207,000 11,385 109,089 86,526 West of River, South of 2100 N CC-09 0.00% 40.6% 59.4% 2022 153,000 153,000 62,118 90,882 - andpit Tank Connection CC-10 41.8% 3.6% 54.6% 2019 1,553,000 1,553,000 55,908 847,938 649,154 00 E 400 N CC-11 3.99% 1.8% 94.3% 2024 6.000 6.000 108 5.658 234 00 E 450 N CC-11 3.99% 1.8% 94.3% 2024 6.000 6.000 108 5.658 234 00 E 450 N CC-17 0.00% 5.5% 94.5% 2018 3,706,000 3,706,000 202,672 3,503,328 - ehi Jr High CC-23 41.8% 2.1% 56.1% 2022 188,000 188,000 3,948 105,468 78,584 00 N 1300 W CC-27 41.8% 5.5% 52.7% 2018 18,000 18,000 990 9,486 7,524 00 N 1300 W CC-27 41.8% 5.5% 52.7% 2018 18,000 18,000 990 9,486 7,524 00 N 1300 W CC-28 41.8% 2.1% 56.1% 2022 28,000 26,000 5,000 75 2,835 2,009 Alain St 2000 W CC-34 41.8% 2.1% 56.1% 2022 237,000 237,000 4,977 132,957 99,066 100 W 800 S CC-42 41.8% 2.1% 56.1% 2022 237,000 237,000 4,977 132,957 99,066 100 W 800 S CC-42 41.8% 3.6% 54.6% 2019 545,000 3,000 3,000 30 1,716 1,254 100 N 12	Storag	ge Subtotal						\$ 10,422,000	\$ 10,422,000	\$ 2,799,702	\$ 6,535,146	\$ 1,087,152
tolbrook Upper	Transi	mission/Pumping										
We fo West Side 1 Tank	To Pile	grims Booster	CB-1	34.80%	1.00%	64.20%	2019	\$ 415,000	\$ 415,000	\$ 4,150	\$ 266,430	\$ 144,420
Vest of River, North of 2100 N	Holbro	ook Upper	CB-2	0.00%	18.40%	81.60%	2025	355,000	355,000	65,320	289,680	-
Bull River Rd CC-07 41.8% 5.5% 52.7% 2018 207,000 207,000 11,385 109,089 86,526 Vest of River, South of 2100 N CC-09 0.0% 40.6% 59.4% 2022 153,000 153,000 62,118 90,882	CWP t	to West Side 1 Tank	CB-3	0.00%	42.20%	57.80%	2020	237,000	237,000	100,014	136,986	-
Vest of River, South of 2100 N	West	of River, North of 2100 N	CC-03	0.0%	40.6%	59.4%	2021	1,195,000	1,195,000	485,170	709,830	-
andpit Tank Connection	Bull Ri	iver Rd	CC-07	41.8%	5.5%	52.7%	2018	207,000	207,000	11,385	109,089	86,526
00 E 400 N	West	of River, South of 2100 N	CC-09	0.0%	40.6%	59.4%	2022	153,000	153,000	62,118	90,882	
00 East Tank Connection CC-17 0.0% 5.5% 94.5% 2018 3,706,000 3,706,000 202,672 3,503,328 ehi Jr High CC-23 41.8% 2.1% 56.1% 2022 188,000 188,000 3,948 105,468 78,584 100 N 1300 W CC-27 41.8% 5.5% 52.7% 2018 18,000 5,000 75 2,835 2,090 Ain St 2000 W CC-34 41.8% 2.1% 56.1% 2022 26,000 5,000 5,000 75 2,835 2,090 Ain St 2000 W CC-34 41.8% 2.1% 56.1% 2022 26,000 26,000 546 14,586 10,868 00 S 1400 E CC-39 41.8% 2.1% 56.1% 2022 237,000 237,000 4,977 132,957 99,066 100 W 800 S CC-42 41.8% 1.0% 57.2% 2024 3,000 3,000 30 1,716 1,254 100 W 800 S CC-42 41.8% 1.0% 57.2% 2024 3,000 3,000 30 1,716 1,254 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168	Sandp	nit Tank Connection	CC-10	41.8%	3.6%	54.6%	2019	1,553,000	1,553,000	55,908	847,938	649,154
ehi Jr High CC-23 41.8% 2.1% 56.1% 2022 188,000 188,000 3,948 105,468 78,584 00 N 1300 W CC-27 41.8% 5.5% 52.7% 2018 18,000 18,000 990 9,486 7,524 100 W Woods Dr CC-28 41.8% 1.5% 56.7% 2023 5,000 5,000 75 2,835 2,090 Ain is £2000 W CC-34 41.8% 2.1% 56.1% 2022 26,000 26,000 546 14,586 10,868 00 S 1400 E CC-39 41.8% 2.1% 56.1% 2022 237,000 237,000 4,977 132,957 99,066 100 W 800 S CC-42 41.8% 1.0% 57.2% 2024 3,000 3,000 30 1,716 1,254 100 brook Upper CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832	400 E	400 N	CC-11	3.9%	1.8%	94.3%	2024	6,000	6,000	108	5,658	234
00 N 1300 W	600 Ea	ast Tank Connection	CC-17	0.0%	5.5%	94.5%	2018	3,706,000	3,706,000	202,672	3,503,328	-
100 W Woods Dr CC-28 41.8% 1.5% 56.7% 2023 5,000 5,000 75 2,835 2,090 Aain St 2000 W CC-34 41.8% 2.1% 56.1% 2022 26,000 26,000 546 14,586 10,868 10 S 1400 E CC-39 41.8% 2.1% 56.1% 2022 237,000 237,000 4,977 132,957 99,066 100 W 800 S CC-42 41.8% 1.0% 57.2% 2024 3,000 3,000 3,00 30 1,716 1,254 tolbrook Upper CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - Higrims Tank Booster-Phase 1 CC-52 41.8% 3.6% 54.6% 2019 45,000 45,000 1,620 24,570 18,810 Conveyance Subtotal \$ \$8,551,000 \$ 8,551,000 \$ 1,036,199 \$ 6,416,271 \$ 1,098,530 Ten Year Total \$ 21,342,000 \$ 21,342,000 \$ 4,835,619 \$ 14,320,699 \$ 2,185,682 Ten Year Total \$ 21,342,000 \$ 21,342,000 \$ 4,835,619 \$ 14,320,699 \$ 2,185,682 Ten Year Total	Lehi Jr	r High	CC-23	41.8%	2.1%	56.1%	2022	188,000	188,000	3,948	105,468	78,584
Aain St 2000 W CC-34 41.8% 2.1% 56.1% 2022 26,000 26,000 546 14,586 10,868 00 S 1400 E CC-39 41.8% 2.1% 56.1% 2022 237,000 237,000 4,977 132,957 99,066 100 W 800 S CC-42 41.8% 1.0% 57.2% 2024 3,000 3,000 30 1,716 1,254 100 W 800 S CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - Gligrims Tank Booster-Phase 1 CC-52 41.8% 3.6% 54.6% 2019 45,000 45,000 1,620 24,570 18,810 Conveyance Subtotal \$ 8,551,000 \$ 8,551,000 \$ 1,036,199 \$ 6,416,271 \$ 1,098,530 Ten Year Total For Year Total Future Inflation Was Not Included Per Direction of the City's Impact Fee Legal Counsel			CC-27	41.8%	5.5%		2018	18,000	18,000	990	9,486	7,524
00 S 1400 E CC-39 41.8% 2.1% 56.1% 2022 237,000 237,000 4,977 132,957 99,066 100 W 800 S CC-42 41.8% 1.0% 57.2% 2024 3,000 3,000 30 1,716 1,254 tolbrook Upper CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 - tilgrims Tank Booster-Phase 1 CC-52 41.8% 3.6% 54.6% 2019 45,000 45,000 1,620 24,570 18,810 tonveyance Subtotal \$ 8,551,000 \$ 8,551,000 \$ 1,036,199 \$ 6,416,271 \$ 1,098,530 Ten Year Total \$ 21,342,000 \$ 21,342,000 \$ 4,835,619 \$ 14,320,699 \$ 2,185,682 tource: Bowen Collins & Associates Culinary Water Impact Fee Facility Plan Future Inflation Was Not Included Per Direction of the City's Impact Fee Legal Counsel	1100 V	W Woods Dr	CC-28			56.7%		5,000	5,000	75	2,835	2,090
100 W 800 S			CC-34									
Iolibrook Upper CC-44 0.0% 18.4% 81.6% 2022 202,000 202,000 37,168 164,832 18,810 164,832 164,832 164,832 164,832 164,832 18,810 164,832 18,810 18,810 18,810 18,810 18,810 18,810 18,810 18,810 18,810 18,810 18,810 18,810 18,810 18,810 18,810 18,810												
Higrins Tank Booster-Phase 1 CC-52 41.8% 3.6% 54.6% 2019 45,000 45,000 1,620 24,570 18,810 Conveyance Subtotal \$ 8,551,000 \$ 8,551,000 \$ 1,036,199 \$ 6,416,271 \$ 1,098,530 Ten Year Total \$ 21,342,000 \$ 21,342,000 \$ 4,835,619 \$ 14,320,699 \$ 2,185,682 ource: Bowen Collins & Associates Culinary Water Impact Fee Facility Plan Future Inflation Was Not Included Per Direction of the City's Impact Fee Legal Counsel \$ 1,000 \$ 1,000 \$ 1,030,199 \$ 1,320,699 \$ 2,185,682	1100 \	W 800 S										
Some Value Subtotal Substitution Substituti												
Ten Year Total \$ 21,342,000 \$ 21,342,000 \$ 4,835,619 \$ 14,320,699 \$ 2,185,682 ource: Bowen Collins & Associates Culinary Water Impact Fee Facility Plan Future Inflation Was Not Included Per Direction of the City's Impact Fee Legal Counsel			CC-52	41.8%	3.6%	54.6%	2019			,		
ource: Bowen Collins & Associates Culinary Water Impact Fee Facility Plan Future Inflation Was Not Included Per Direction of the City's Impact Fee Legal Counsel	Conve	eyance Subtotal										
Future Inflation Was Not Included Per Direction of the City's Impact Fee Legal Counsel								\$ 21,342,000	\$ 21,342,000	\$ 4,835,619	\$ 14,320,699	\$ 2,185,682
A B C D E F G H I J K	*Futu	re Inflation Was Not Included Per Dire	ection of the City's In	npact Fee Legal Couns								
		A	В	С	D	E	F	G	Н	I	J	K

APPENDIX E: HISTORIC CITY ASSET DATA

LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS

65 Improvements

66 Improvements

Reservoirs-1970

Culinary

Storage

System System

50.00

No

Non-Qualifying

Non-Qualifying

1970

41,731 66

Table E.1: Detailed Ass	et List				1					
Category	<u>Description</u>	Owning System	<u>Function</u>	<u>Type</u>	Service Life	<u>In Service</u>	Qualifying	<u>Acquire</u> <u>Date</u>	<u>Function</u>	Original Cost
Water Rights	Water Rights (Jordan)	Culinary	Supply	System	-	Yes	Non-Qualifying			529,64
Water Rights	Water Rights-Cemetery	Culinary	Supply	System	-	Yes	Non-Qualifying			650,00
Land	Land	Culinary	Transmission	System	-	Yes	Qualifying			31,08
Land	Land	Culinary	Transmission	System	-	Yes	Qualifying			8,63
Land	Land-Alpine Springs Property	Culinary	Source	System	-	Yes	Non-Qualifying			378,38
Land	Land-Waterline Encroachment	Culinary	Transmission	System	-	Yes	Qualifying			3,57
Land	Land-100S Row Road	Culinary	Transmission	System	-	Yes	Qualifying			56,93
Land	Land	Culinary	Transmission	System	-	Yes	Qualifying			407,50
Land	Land	Culinary	Transmission	System	-	Yes	Qualifying			5,14
Land	Land	Culinary	Transmission	System	-	Yes	Qualifying			7,49
Land	Lamburt Property Purchase	Culinary	Transmission	System	-	Yes	Qualifying			100,00
Buildings/Structures	BS-Prior 1959	Culinary	Unknown	System	50.00	Yes	Non-Qualifying			94,77
Buildings/Structures	BS-1959	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1959		1,15
Buildings/Structures	BS-1960	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1960		7,15
									 	22
Buildings/Structures	BS-1964	Culinary	Unknown	System	10.00	Yes	Non-Qualifying	1964	 	
Buildings/Structures	BS-1966	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1966		2,41
Buildings/Structures	BS-1968	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1968		21
Buildings/Structures	BS-1970	Culinary	Unknown	System	10.00	Yes	Non-Qualifying	1970		2,21
Buildings/Structures	BS-1973	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1973		1,42
Buildings/Structures	BS-1974	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1974		1,27
Buildings/Structures	BS-1975	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1975		1,82
Buildings/Structures	BS-1976	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1976		1,39
Buildings/Structures	BS-1977	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1977		1,82
Buildings/Structures	BS-1978	Culinary	Unknown	System	10.00	Yes	Non-Qualifying	1978		1,84
Buildings/Structures	BS-1979	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1979		28,90
Buildings/Structures	BS-1980	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1980		17,15
Buildings/Structures	BS-1984	Culinary	Unknown	System	50.00	Yes	Non-Qualifying	1984		30,48
Buildings/Structures	BS-1985	Culinary	Unknown	System	10.00	Yes	Non-Qualifying	1985		6,00
					+				 	
Buildings/Structures	BS-1986	Culinary	Unknown	System	35.00	Yes	Non-Qualifying	1986	-	13,00
Buildings/Structures	BS-1987	Culinary	Unknown	System	10.00	Yes	Non-Qualifying	1987		1,90
Buildings/Structures	BS-1988	Culinary	Unknown	System	10.00	Yes	Non-Qualifying	1988		2,75
Buildings/Structures	Office Addition to Ex Wtr Bld	Culinary	Unknown	System	50.00	Yes	Non-Qualifying			25,7
Buildings/Structures	Pump House Exhaust Fan	Culinary	Unknown	System	10.00	Yes	Non-Qualifying			3,77
Buildings/Structures	Building	Culinary	Unknown	System	30.00	Yes	Non-Qualifying			458,47
Buildings/Structures	Building Improvements	Culinary	Unknown	System	20.00	Yes	Non-Qualifying			21,66
Buildings/Structures	Water Storage Building	Culinary	Unknown	System	20.00	Yes	Non-Qualifying			30,96
Improvements	Water Dist-Prior 1953	Culinary	Transmission	System	50.00	No	Non-Qualifying			10,15
Improvements	Meters & Hydrants-1953	Culinary	Transmission	System	30.00	Yes	Non-Qualifying	1953		9,88
Improvements	Water Dist-1953	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1953		12,6
· ·		Culinary	Transmission		30.00	Yes		1954		2,61
Improvements	Meters & Hydrants-1954			System			Non-Qualifying		 	
Improvements	Water Dist-1954	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1954	 	88
Improvements	Water Dist-1955	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1955		3,53
Improvements	Meters & Hydrants-1955	Culinary	Transmission	System	30.00	Yes	Non-Qualifying	1955	Ļ	1,55
Improvements	Water Dist-1956	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1956		6,09
Improvements	Meters & Hydrants-1956	Culinary	Transmission	System	30.00	Yes	Non-Qualifying	1956		1,65
Improvements	Water Dist-1957	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1957		2,09
Improvements	Meters & Hydrants-1957	Culinary	Transmission	System	30.00	Yes	Non-Qualifying	1957		89
Improvements	Water Dist-1958	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1958		9,67
Improvements	Meters & Hydrants-1958	Culinary	Transmission	System	30.00	Yes	Non-Qualifying	1958		1,41
Improvements	Water Dist-1959	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1959		14,00
Improvements	Water Dist-1960	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1960		7,7
Improvements	Water Dist-1961	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1961	 	2,2
Improvements			Transmission		50.00	Yes	Non-Qualifying	1963	 	20,15
	Water Dist-1963	Culinary		System					 	
Improvements	Water Dist-1964	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1964	 	4,92
Improvements	Reservoirs-1965	Culinary	Storage	System	50.00	Yes	Non-Qualifying	1965	Ļ	52,30
Improvements	Water Dist-1965	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1965		447,73
Improvements	Pumping Equipment-1965	Culinary	Pumping	System	20.00	Yes	Non-Qualifying	1965		12,62
Improvements	Pumping Equipment-1966	Culinary	Pumping	System	20.00	Yes	Non-Qualifying	1966		19
Improvements	Water Dist-1966	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1966		10,83
Improvements	Water Dist-1967	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1967		16,19
Improvements	Water Dist-1968	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	1968	1	9,11
Improvements	Reservoirs-1969	Culinary	Storage	System	50.00	Yes	Non-Qualifying	1969	 	1,04
Improvements					50.00	Yes			 	
•	Water Dist-1969	Culinary	Transmission	System			Non-Qualifying	1969	 	13,81
Improvements	Water Dist-1979	Culinary	Transmission	System	30.00	Yes	Non-Qualifying	1979	1	20,72

57 LI	mprovements	Water Dist-1970	Culinary	Transmission	System	50.00	Yes	Qualifying	1970	295,207
58 II	mprovements	Meters & Hydrants-1971	Culinary	Transmission	System	30.00	Yes	Qualifying	1971	7,178
59 Ti	mprovements	Meters & Hydrants-1972	Culinary	Transmission	System	30.00	Yes	Qualifying	1972	6,351
70 TI	mprovements	Water Dist-1972	Culinary	Transmission	System	10.00	Yes	Qualifying	1972	5,543
- 1-	mprovements	Meters & Hydrants-1973	Culinary	Transmission	System	30.00	Yes	Qualifying	1973	7,400
-	mprovements	Meters & Hydrants-1974	Culinary	Transmission	System	30.00	Yes	Qualifying	1974	14,093
_	•	·		1	,					
	mprovements	Meters & Hydrants-1975	Culinary	Transmission	System	30.00	Yes	Qualifying	1975	7,916
	mprovements	Pumping Equipment-1975	Culinary	Pumping	System	20.00	Yes	Non-Qualifying	1975	10,487
5 <u> </u> 1	mprovements	Water Dist-1975	Culinary	Transmission	System	30.00	Yes	Qualifying	1975	2,904
6 H	mprovements	Meters & Hydrants-1976	Culinary	Transmission	System	30.00	Yes	Qualifying	1976	1,833
7 Ti	mprovements	Pumping Equipment-1976	Culinary	Pumping	System	20.00	Yes	Non-Qualifying	1976	2,400
	mprovements	Water Dist-1977	Culinary	Transmission	System	30.00	Yes	Qualifying	1977	5,945
	•			1	,				1977	
-	mprovements	Meters & Hydrants-1977	Culinary	Transmission	System	30.00	Yes	Qualifying		9,778
	mprovements	Water Dist-1978	Culinary	Transmission	System	30.00	Yes	Qualifying	1978	23,288
1 [և	mprovements	Meters & Hydrants-1978	Culinary	Transmission	System	30.00	Yes	Qualifying	1978	9,712
2 11	mprovements	Meters & Hydrants-1979	Culinary	Transmission	System	30.00	Yes	Qualifying	1979	10,361
3 11	mprovements	Pumping Equip-1979	Culinary	Pumping	System	20.00	Yes	Non-Qualifying	1979	51,955
-	mprovements	Water Dist-1980	Culinary	Transmission	System	50.00	Yes	Qualifying	1980	236,210
	•									
-	mprovements	Water Dist-1981	Culinary	Transmission	System	30.00	Yes	Qualifying	1981	3,175
11	mprovements	Water Dist-1982	Culinary	Transmission	System	30.00	Yes	Qualifying	1982	2,823
' [II	mprovements	Meters & Hydrants-1983	Culinary	Transmission	System	20.00	Yes	Qualifying	1983	5,565
	mprovements	Purification Equip-1984	Culinary	Source	System	10.00	Yes	Non-Qualifying	1984	2,210
\vdash	•	Meters & Hydrants-1984		 		20.00		Qualifying	1984	4,020
\vdash	mprovements	· ·	Culinary	Transmission	System		Yes	, ,		
_	mprovements	Water Dist-1984	Culinary	Transmission	System	50.00	Yes	Qualifying	1984	66,039
<u> I</u> II	mprovements	Meters & Hydrants-1985	Culinary	Transmission	System	20.00	Yes	Qualifying	1985	7,933
2 1	mprovements	Pumping Equip-1985	Culinary	Pumping	System	10.00	Yes	Non-Qualifying	1985	2,116
: 11	mprovements	Water Dist-1986	Culinary	Transmission	System	50.00	Yes	Qualifying	1986	115,231
-	•			 		20.00	Yes		1986	21,358
\vdash	mprovements	Meters & Hydrants-1986	Culinary	Transmission	System			Qualifying		
11	mprovements	Meters & Hydrants-1987	Culinary	Transmission	System	20.00	Yes	Qualifying	1987	8,774
H	mprovements	Water Dist-1987	Culinary	Transmission	System	50.00	Yes	Qualifying	1987	191,215
· III	mprovements	Pumping Equip-1987	Culinary	Pumping	System	10.00	Yes	Non-Qualifying	1987	3,046
\vdash	mprovements	Meters & Hydrants-1988	Culinary	Transmission	System	20.00	Yes	Qualifying	1988	4,287
-	<u>'</u>	· ·							1989	
_	mprovements	Meters & Hydrants-1989	Culinary	Transmission	System	20.00	Yes	Qualifying		16,801
Ш	mprovements	Pressure Irrigation-1990	PI	Transmission	System	50.00	Yes	Qualifying	1990	2,650,398
L	mprovements	Pressure Irrigation-1990	PI	Transmission	System	50.00	Yes	Qualifying	1990	4,857
211	mprovements	Pressure Irrigation-1991	PI	Transmission	System	50.00	Yes	Qualifying	1991	199,279
_	mprovements	Water Dist-1991	Culinary	Transmission	System	30.00	Yes	Qualifying	1991	16,494
_					•					
	mprovements	Water Dist-1992	Culinary	Transmission	System	30.00	Yes	Qualifying	1992	32,196
5 <u> </u> Li	mprovements	Water Dist-1993	Culinary	Transmission	System	30.00	Yes	Qualifying	1993	24,372
6 li	mprovements	Water System-1994	Culinary	Transmission	System	50.00	Yes	Qualifying	1994	18,996
7 1	mprovements	Water Line Upgrade	Culinary	Transmission	System	50.00	Yes	Qualifying		8,523
	lanning	Water Impact Work	Culinary	Planning	System	50.00	Yes	Non-Qualifying		60,900
		· ·								
-	mprovements	Low Hills Water Tank	Culinary	Storage	System	50.00	Yes	Qualifying		513,268
O P	lanning	Water Impact Work	Culinary	Planning	System	50.00	Yes	Non-Qualifying		19,378
1 1	mprovements	Water System-1995	Culinary	Transmission	System	50.00	Yes	Qualifying		14,170
2 1	mprovements	Water Line Upgrade	Culinary	Transmission	System	50.00	Yes	Qualifying		87,299
-	•	Main Street-CDBG Grant	Culinary	 	System	50.00	Yes	Non-Qualifying		88,074
-	mprovements			Transmission				, ,		
_	mprovements	Southeast Util Extension	Culinary	Transmission	System	50.00	Yes	Qualifying		70,114
5 LI	mprovements	Culinary Water Imprvmnts-R	Culinary	Transmission	System	50.00	Yes	Qualifying		969,028
5 Īi	mprovements	Meter Network System	Culinary	Transmission	System	20.00	Yes	Qualifying		2,798
_	mprovements	Pilg Land Upsize	Culinary	Transmission	Project	50.00	Yes	Qualifying		83,034
_	mprovements	Carterridge Sed Basin	Culinary	Source	System	50.00	Yes	Non-Qualifying		27,852
_		_			-					
_	mprovements	Continue Center St Storm	Storm	Storm	System	50.00	Yes	Non-Qualifying		26,260
_	mprovements	Pipe Upsize	Culinary	Transmission	System	50.00	Yes	Qualifying		10,340
1 1	mprovements	Pipe Upsize-11th W	Culinary	Transmission	System	50.00	Yes	Qualifying		2,602
2 1	mprovements	Pipe Upsize	Culinary	Transmission	System	50.00	Yes	Qualifying	-	6,364
_	mprovements	Water Cap	Culinary	Unknown	System	50.00	Yes	Non-Qualifying		174,045
_	nprovements	Green Prk Sub Plat A Oversize	Culinary	Transmission	Project	50.00	Yes			53,605
_	•							Non-Qualifying		
_	mprovements	1200E 900N Water	Culinary	Transmission	System	50.00	Yes	Qualifying		20,196
_	mprovements	500N State Street	Culinary	Transmission	System	50.00	Yes	Qualifying		14,749
7 1	mprovements	2300 W to State Street	Culinary	Transmission	System	50.00	Yes	Qualifying		106,840
3 1	mprovements	500W 500S Water Main	Culinary	Transmission	System	50.00	Yes	Qualifying		106,842
_	mprovements	600 E and 500S	Culinary	Transmission	System	50.00	Yes	Qualifying		26,381
_		•								
1111	mprovements	10" Spring Line Highland	Culinary	Transmission	System	50.00	Yes	Qualifying		16,044
_	mprovements	Culinary Water Improvement	Culinary	Transmission	System	50.00	Yes	Qualifying		133,960
_	marauamanta	Low Hills Telemetry Equip	Culinary	Equipment	System	10.00	Yes	Non-Qualifying		6,750
L	mprovements	Water Tank	Culinary	Storage	System	50.00	Yes	Qualifying		8,370
1 11				Transmission	-	50.00	Yes			34,992
1 11 2 11 3 11	mprovements			T TRANSMISSION I	System			Qualifying		
1 2 3 4	mprovements mprovements	300 W (1500 No to 1700 No)	Culinary		C					
1	mprovements mprovements mprovements	300 W (1500 No to 1700 No) Misc System Improvements 20	Culinary	Transmission	System	50.00	Yes	Qualifying		121,326
1 1 2 1 3 1 4 1 5 1	mprovements mprovements	300 W (1500 No to 1700 No)			System Project	30.00	Yes	Qualifying Non-Qualifying		5,732
1	mprovements mprovements mprovements	300 W (1500 No to 1700 No) Misc System Improvements 20	Culinary	Transmission						
1	mprovements mprovements mprovements mprovements mprovements	300 W (1500 No to 1700 No) Misc System Improvements 20 Improvements- Paul Will Sub Green Park Oversizing	Culinary Culinary Culinary	Transmission Transmission Transmission	Project System	30.00 50.00	Yes Yes	Non-Qualifying Qualifying		5,732 57,000
1 1 2 1 1 2 1 1 1 1	mprovements mprovements mprovements mprovements	300 W (1500 No to 1700 No) Misc System Improvements 20 Improvements- Paul Will Sub	Culinary Culinary	Transmission Transmission	Project	30.00	Yes	Non-Qualifying		5,732

1/11								1 1		T
	Improvements	500 No State Improvements	Culinary	Transmission	System	50.00	Yes	Qualifying		21,154
	Improvements Improvements	Water System Improvements	Culinary	Transmission	System	20.00 40.00	Yes	Qualifying		55,250 212,073
-	r	900 N Waterline Installation	Culinary	Transmission	System		Yes	Qualifying		
	Improvements	SID ENGN &CNST	Culinary	Transmission	System	30.00	Yes	Qualifying		307,112
	Improvements	2001 WTR Line Projects	Culinary	Transmission	System	30.00	Yes	Qualifying		70,675
	Improvements	Misc Improvements	Culinary	Transmission	System	30.00	Yes	Qualifying		10,864
	Improvements	Sensus MXU2 Handheld Units	Culinary	Equipment	System	10.00	Yes	Non-Qualifying		129,360
	Improvements	Pilgrims Water Tank	Culinary	Storage	System	25.00	Yes	Qualifying		1,425,653
	Improvements	Traverse Mtn Tank & Lines	Culinary	Storage	System	25.00	Yes	Qualifying		69,881
150	Improvements	Construction for Culinary	Culinary	Unknown	System	25.00	Yes	Non-Qualifying		16,054
151	Improvements	03 Culinary Water Project	Culinary	Transmission	System	30.00	Yes	Qualifying		415,248
152	Improvements	900 North Proj-Construction	Culinary	Transmission	System	30.00	Yes	Qualifying		11,122
153	Improvements	Water Meters	Culinary	Transmission	System	25.00	Yes	Qualifying		592,399
154	Improvements	Water Improvements	Culinary	Transmission	System	25.00	Yes	Qualifying		52,444
155	Contributed	Subdivision Development	Culinary	Transmission	Project	25.00	Yes	Non-Qualifying		99,571
156 ¹	Improvements	1996 Culinary Water Project	Culinary	Transmission	System	50.00	Yes	Qualifying	1996	95,700
157	Improvements	1997 Culinary Water Project	Culinary	Transmission	System	50.00	Yes	Qualifying	1997	79,200
158	Improvements	1998 Culinary Water Project	Culinary	Transmission	System	50.00	Yes	Qualifying	1998	181,500
	Improvements	1999 Culinary Water Project	Culinary	Transmission	System	50.00	Yes	Qualifying	1999	280,500
	Improvements	2000 Culinary Water Project	Culinary	Transmission	System	50.00	Yes	Qualifying	2000	303,600
161	Improvements	2001 Culinary Water Project	Culinary	Transmission	System	50.00	Yes	Qualifying	2001	300,300
	Improvements	2002 Culinary Water Project	Culinary	Transmission	System	50.00	Yes	Qualifying	2002	330,000
	Contributed	2003 Contributed Capital	Culinary	Transmission	System	50.00	Yes	Non-Qualifying	2003	1,293,150
	Improvements	Pressure Groute	Culinary	Transmission	System	30.00	Yes	Qualifying	2003	4,588
	Improvements	1900 S Pipe	Culinary	Transmission	System	30.00	Yes	Qualifying		5,703
	Improvements	Pressurized Irrig Upsized	PI	Transmission	System	30.00	Yes	Non-Qualifying		30,362
	Improvements	Pressurized irrig Opsized Pipe	Culinary		System	10.00	Yes			6,718
	Improvements	2003 Water Lines Projects		Transmission		30.00		Qualifying	2003	5,716
	l	,	Culinary	Transmission	System	30.00	Yes	Qualifying	2003	5,716
	Improvements	Water Lines Project	Culinary	Transmission	System		Yes	Qualifying		· · · · · · · · · · · · · · · · · · ·
	Improvements	Water Lines Project	Culinary	Transmission	System	30.00	Yes	Qualifying		184,340
	Improvements	Water Lines Project	Culinary	Transmission	System	30.00	Yes	Qualifying		5,280
	Improvements	Pressure Reduction Station	Culinary	Transmission	System	30.00	Yes	Qualifying		43,000
	Improvements	Water Lines Project	Culinary	Transmission	System	30.00	Yes	Qualifying		5,934
174	Improvements	Water Lines Project	Culinary	Transmission	System	30.00	Yes	Qualifying		64,265
175	Improvements	Record Inventory	Culinary	Unknown	System	30.00	Yes	Non-Qualifying		55,000
176	Improvements	2004 Water Improvements	Culinary	Transmission	System	30.00	Yes	Qualifying	2004	9,018
177	Improvements	Water Project	Culinary	Transmission	System	30.00	Yes	Qualifying		50,529
178	Improvements	Water Project	Culinary	Transmission	System	30.00	Yes	Qualifying		7,870
179	Improvements	Water Project	Culinary	Transmission	System	30.00	Yes	Qualifying		25,450
180	Improvements	Dist of Inventory	Culinary	Unknown	System	10.00	Yes	Non-Qualifying		11,297
181	Improvements	Dist of Inventory	Culinary	Unknown	System	10.00	Yes	Non-Qualifying		8,473
182	Improvements	Record Inventory	Culinary	Unknown	System	30.00	Yes	Non-Qualifying		212,818
183	Improvements	Alpine Springs Improvements	Culinary	Source	System	30.00	Yes	Non-Qualifying		239,227
184	Improvements	Infrastructure from Subdiv	Culinary	Transmission	Project	50.00	Yes	Non-Qualifying		183,862
	Improvements	600 E & Pilgrim Project	Culinary	Transmission	System	50.00	Yes	Qualifying		125,443
	Improvements	Main Street Project	Culinary	Transmission	System	50.00	Yes	Qualifying		12,398
	Improvements	3200 N Project	Culinary	Transmission	System	50.00	Yes	Qualifying		13,994
	Improvements	PRV Station	Culinary	Transmission	System	50.00	Yes	Qualifying		5,000
	Improvements	Water Line Project	Culinary	Transmission	System	50.00	Yes	Qualifying		16,516
	Improvements	Street Alterations 1st West	Culinary	Transmission	System	50.00	Yes	Qualifying		21,281
	Improvements	2003 Waterline Projects	Culinary	Transmission	System	50.00	Yes	Qualifying	2003	5,000
	Improvements	700 S. Willow Way	Culinary	Transmission	System	50.00	Yes		2003	83,040
	Improvements	700 3. Willow Way	Cuillaly			1 30.00	162	Qualifying		7,362
	morovements	OED Eact Dealast	Culinani		Cucton	FO 00	Voc	Ouglifier -		1 /.362
	_ '	850 East Project	Culinary	Transmission	System	50.00	Yes	Qualifying		
194	Contributed	Developer's Contributions	Culinary	Transmission	Project	50.00	Yes	Non-Qualifying		1,294,529
194 195	Contributed Improvements	Developer's Contributions Electrical for Pumphouse	Culinary Culinary	Transmission Source	Project System	50.00 50.00	Yes Yes	Non-Qualifying Non-Qualifying		1,294,529 12,862
194 195 196	Contributed Improvements Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing	Culinary Culinary Culinary	Transmission Source Source	Project System System	50.00 50.00 50.00	Yes Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying		1,294,529 12,862 5,550
194 195 196 197	Contributed Improvements Improvements Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet	Culinary Culinary Culinary Culinary	Transmission Source Source Transmission	Project System System System	50.00 50.00 50.00 50.00	Yes Yes Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying		1,294,529 12,862 5,550 5,291
194 195 196 197 198	Contributed Improvements Improvements Improvements Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements	Culinary Culinary Culinary Culinary Culinary	Transmission Source Source Transmission Transmission	Project System System System System	50.00 50.00 50.00 50.00 50.00	Yes Yes Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying		1,294,529 12,862 5,550 5,291 10,947
194 195 196 197 198 199	Contributed Improvements Improvements Improvements Improvements Improvements Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory	Culinary Culinary Culinary Culinary Culinary Culinary Culinary	Transmission Source Source Transmission Transmission Transmission	Project System System System System System System	50.00 50.00 50.00 50.00 50.00 50.00	Yes Yes Yes Yes Yes Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying		1,294,529 12,862 5,550 5,291 10,947 59,700
194 195 196 197 198 199	Contributed Improvements Improvements Improvements Improvements Improvements Improvements Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory	Culinary Culinary Culinary Culinary Culinary Culinary Culinary Culinary	Transmission Source Source Transmission Transmission Transmission Transmission	Project System System System System System System System System	50.00 50.00 50.00 50.00 50.00 50.00 50.00	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying		1,294,529 12,862 5,550 5,291 10,947 59,700 464,096
194 195 196 197 198 199 200	Contributed Improvements Improvements Improvements Improvements Improvements Improvements Improvements Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory Pipe Oversizing	Culinary Culinary Culinary Culinary Culinary Culinary Culinary	Transmission Source Source Transmission Transmission Transmission Transmission Transmission Transmission	Project System System System System System System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00	Yes Yes Yes Yes Yes Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying		1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590
194 195 196 197 198 199 200	Contributed Improvements Improvements Improvements Improvements Improvements Improvements Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory	Culinary Culinary Culinary Culinary Culinary Culinary Culinary Culinary	Transmission Source Source Transmission Transmission Transmission Transmission	Project System System System System System System System System	50.00 50.00 50.00 50.00 50.00 50.00 50.00	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096
194 195 196 197 198 199 200 201	Contributed Improvements Improvements Improvements Improvements Improvements Improvements Improvements Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory Pipe Oversizing	Culinary Culinary Culinary Culinary Culinary Culinary Culinary Culinary Culinary	Transmission Source Source Transmission Transmission Transmission Transmission Transmission Transmission	Project System System System System System System System System System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00	Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590
194 195 196 197 198 199 200 201 202 203	Contributed Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory Pipe Oversizing 2006 Culinary Water Project	Culinary	Transmission Source Source Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission	Project System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00	Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 26,890
194 195 196 197 198 199 200 201 202 203 204	Contributed Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory Pipe Oversizing 2006 Culinary Water Project Culinary Water Capital Impro	Culinary	Transmission Source Source Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission	Project System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00	Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 26,890 245,518
194 195 196 197 198 199 200 201 202 203 204 205	Contributed Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory Pipe Oversizing 2006 Culinary Water Project Culinary Water Capital Impro Subdivision Infrastructure I	Culinary	Transmission Source Source Transmission	Project System Project	50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00 30.00	Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Non-Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 26,890 245,518 472,006
194 195 196 197 198 199 200 201 202 203 204 205 206	Contributed Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory Pipe Oversizing 2006 Culinary Water Project Culinary Water Capital Impro Subdivision Infrastructure I PRV Station 2006 Developer Contribution	Culinary	Transmission Source Source Transmission	Project System Froject System Project	50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00 30.00 30.00 30.00 30.00	Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Non-Qualifying Non-Qualifying		1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 26,890 245,518 472,006 5,000 2,313,534
194 195 196 197 198 199 200 201 202 203 204 205 206 207	Contributed Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory Pipe Oversizing 2006 Culinary Water Project Culinary Water Capital Impro Subdivision Infrastructure I PRV Station 2006 Developer Contribution Water Capital Impact Fee Wor	Culinary	Transmission Source Source Transmission Planning	Project System Froject System Project System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Non-Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 26,890 245,518 472,006 5,000 2,313,534 346,993
194 195 196 197 198 199 200 201 202 203 204 205 206 207	Contributed Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory Pipe Oversizing 2006 Culinary Water Project Culinary Water Capital Impro Subdivision Infrastructure I PRV Station 2006 Developer Contribution Water Capital Impact Fee Wor 2007 Culinary Water Project	Culinary	Transmission Source Source Transmission	Project System Froject System Project System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Qualifying		1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 26,890 245,518 472,006 5,000 2,313,534 346,993 186,797
194 195 196 197 198 199 200 201 202 203 204 205 206 207 208	Contributed Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Water Inventory Pipe Oversizing 2006 Culinary Water Project Culinary Water Capital Impro Subdivision Infrastructure I PRV Station 2006 Developer Contribution Water Capital Impact Fee Wor 2007 Culinary Water Project Capital Improvements	Culinary	Transmission Source Source Transmission	Project System Project System Project System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 245,518 472,006 5,000 2,313,534 346,993 186,797
194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210	Contributed Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Pipe Oversizing 2006 Culinary Water Project Culinary Water Capital Impro Subdivision Infrastructure I PRV Station 2006 Developer Contribution Water Capital Impact Fee Wor 2007 Culinary Water Project Capital Improvements Water Inventory	Culinary	Transmission Source Source Transmission Unknown	Project System Project System Project System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Non-Qualifying Qualifying Qualifying Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 26,890 245,518 472,006 5,000 2,313,534 346,993 186,797 19,646 751,813
194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210	Contributed Improvements Contributed Planning Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Pipe Oversizing 2006 Culinary Water Project Culinary Water Capital Impro Subdivision Infrastructure I PRV Station 2006 Developer Contribution Water Capital Impact Fee Wor Copital Improvements Water Inventory Logical Improvements Water Inventory Logical Inv	Culinary	Transmission Source Source Transmission Unknown Transmission	Project System System System System System System System System System Project System Project System System System Project System Project System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying Non-Qualifying Non-Qualifying Non-Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 26,890 245,518 472,006 5,000 2,313,534 346,993 186,797 19,646 751,813 2,888,395
194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212	Contributed Improvements	Developer's Contributions Electrical for Pumphouse Equip. for Pilgrims Landing Ratchet Improvements Water Inventory Pipe Oversizing 2006 Culinary Water Project Culinary Water Capital Impro Subdivision Infrastructure I PRV Station 2006 Developer Contribution Water Capital Impact Fee Wor 2007 Culinary Water Project Capital Improvements Water Inventory	Culinary	Transmission Source Source Transmission Unknown	Project System Project System Project System	50.00 50.00 50.00 50.00 50.00 50.00 50.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying Qualifying Non-Qualifying Qualifying Qualifying Qualifying Non-Qualifying Qualifying Qualifying Qualifying Qualifying	2006	1,294,529 12,862 5,550 5,291 10,947 59,700 464,096 123,590 26,890 245,518 472,006 5,000 2,313,534 346,993 186,797 19,646 751,813

ements ements uted ements uted ements uted uted uted uted ements uted uted ements uted uted ements	2008 Developer Contribution 2008 Water Inventory Inventory 2008/2009 Subdivision Development Low Hills Tank Pipe Oversizing 2009 Developer Contribution Subdivision Development	Culinary Culinary Culinary Culinary Culinary Culinary Culinary Culinary	Transmission Unknown Unknown Transmission Storage	Project System System Project	30.00 30.00 30.00 30.00	Yes Yes Yes	Non-Qualifying Non-Qualifying Non-Qualifying Non-Qualifying	2008	1,054,179 83,033 31,165 22,260
ements uted ements ements uted uted ements uted ements uted ements uted ements	Inventory 2008/2009 Subdivision Development Low Hills Tank Pipe Oversizing 2009 Developer Contribution Subdivision Development	Culinary Culinary Culinary Culinary	Unknown Transmission	System Project	30.00	Yes	Non-Qualifying	2008	31,165
uted ements ements uted uted ements uted ements uted uted ements uted ements	Subdivision Development Low Hills Tank Pipe Oversizing 2009 Developer Contribution Subdivision Development	Culinary Culinary Culinary	Transmission	Project					
ements ements uted uted ements uted ements uted uted ements	Low Hills Tank Pipe Oversizing 2009 Developer Contribution Subdivision Development	Culinary Culinary			30.00	Yes			22.260
ements ements uted uted ements uted ements uted uted ements	Low Hills Tank Pipe Oversizing 2009 Developer Contribution Subdivision Development	Culinary Culinary							
ements uted uted ements uted uted uted ements	Pipe Oversizing 2009 Developer Contribution Subdivision Development	Culinary	oto. age	System	30.00	Yes	Qualifying		1,011,684
uted uted ements uted uted uted ements	2009 Developer Contribution Subdivision Development		Transmission	System	30.00	Yes	Qualifying		264,637
ements uted uted uted uted ements	Subdivision Development		Transmission	Project	30.00	Yes	Non-Qualifying	2009	765,370
ements uted uted ements	'	Culinary	Transmission	Project	30.00	Yes	Non-Qualifying	2009	61,863
uted uted ements					30.00	Yes			16,018
uted ements	Pipe Oversizing	Culinary	Transmission	System			Qualifying	2010	
ements	2010 Developer Contribution	Culinary	Transmission	Project	30.00	Yes	Non-Qualifying	2010	178,74
	Subdivision Development	Culinary	Transmission	Project	30.00	Yes	Non-Qualifying		37,130
	Pipe Oversizing	Culinary	Transmission	System	30.00	Yes	Qualifying		8,91
uted	Developer Contribution	Culinary	Transmission	Project	30.00	Yes	Non-Qualifying		168,11
ements	2010-2011 Water Inventory	Culinary	Unknown	System	30.00	Yes	Non-Qualifying		33,48
ements	Vialetto Water Tank	Culinary	Storage	System	30.00	Yes	Qualifying		1,992,40
ements	Alpine Springs	Culinary	Source	System	30.00	Yes	Non-Qualifying		149,12
ements	Pipe Oversizing	Culinary	Transmission	System	30.00	Yes	Qualifying		19,82
uted	Subdivision Development	Culinary	Transmission	Project	30.00	Yes	Non-Qualifying		156,35
uted	Developer Contribution	Culinary	Transmission	Project	30.00	Yes	Non-Qualifying		366,34
ements	Murdock Canal Enclosure	Culinary	Source	System	30.00	Yes	Non-Qualifying		13,73
ements	Pipe Oversizing	Culinary	Transmission		30.00	Yes	Qualifying		124,13
uted					30.00	Yes			94,88
uted	· · · · · · · · · · · · · · · · · · ·							2013	437,74
	· '								56,51
									191,17
	· · · · · · · · · · · · · · · · · · ·								574,14
								2014	187,86
	'								1,124,84
									192,85
uted	· ' '							2015	326,47
ements	Gray Well Addt'l Improvement	Culinary	Source	System	30.00	Yes	Non-Qualifying		7,53
uted	2014-2015 Developer Contribution	Culinary	Transmission	Project	30.00	Yes	Non-Qualifying		1,479,54
ements	300 W Frontage Rd Water Line	Culinary	Transmission	System	30.00	Yes	Qualifying		71,36
uted	2016 Subdivision Development	Culinary	Transmission	Project	30.00	Yes	Non-Qualifying	2016	392,67
ements	2016 Pipe Oversizing	Culinary	Transmission	System	30.00	Yes	Qualifying	2016	40,48
ements	Spring Line to Low Hills Tank	Culinary	Storage	System	30.00	Yes	Qualifying		428,8
ements	 				30.00				260,9
ements	.,,,								2,457,89
uted	Developer Contribution	Culinary	Transmission	Project	30.00	Yes	Non-Qualifying		1,055,23
					22.22	.,,			
	'								88,38
umps	 								4,2
umps	Well Pumps-1949	Culinary	Source	System			Non-Qualifying		5,9
umps	Well Pumps-1958	Culinary	Source	System	30.00	Yes	Non-Qualifying	1958	8,7
umps	Well Pumps-1966	Culinary	Source	System	30.00	Yes	Non-Qualifying	1966	4
umps	Well Pumps-1972	Culinary	Source	System	30.00	Yes	Non-Qualifying	1972	4
umps	Well Pumps-1975	Culinary	Source	System	30.00	Yes	Non-Qualifying	1975	2,0
umps	Well Pumps-1977	Culinary	Source	System	30.00	Yes	Non-Qualifying	1977	1
umps	Well Pumps-1978	Culinary	Source	System	30.00	Yes	Non-Qualifying	1978	1,4
umps	· · · · · · · · · · · · · · · · · · ·						. , ,		51,9
									213,7
									21,5
								1507	26,1
	·							1000	19,6
	 							1330	
	 								269,2
	 								9,6
umps					1			225-	20,7
umps	·							2005	5,1
umps									1,307,4
umps	Airport Well			Project	30.00	Yes	Non-Qualifying		172,4
umps	Pilgrims Landing Well & Tank	Culinary	Source	Project	30.00	Yes	Non-Qualifying		63,5
umps	Airport Well	Culinary	Source	Project	30.00	Yes	Non-Qualifying		87,3
umps	Spring Creek Well	Culinary	Source	System	30.00	Yes	Non-Qualifying		33,3
umps	500 West Well	Culinary	Source	System	30.00	Yes	Non-Qualifying		32,9
umps				_	30.00				7,9
umps								1	6,0
umps	500 West Well	Culinary	Source	System	30.00	Yes	Non-Qualifying	 	376,1
	ments ted ted ments mps mps mps mps mps mps mps mps mps mp	ments Pipe Oversizing ted Subdivision Development ted 2013 Developer Contribution ments Pipe Oversizing ted Subdivision Development ments Pipe Oversizing ted Subdivision Development ments Gray Well ments Adobe Loop ted 2014 Developer Contribution ments 2015 Pipe Oversizing ted 2015 Subdivision Development ments Gray Well Addt'l Improvement ted 2014-2015 Developer Contribution ments 300 W Frontage Rd Water Line ted 2016 Subdivision Development ments 300 W Frontage Rd Water Line ted 2016 Subdivision Development ments Spring Line to Low Hills Tank ments Traverse Booster w/piping ments Sandpit Well ted Developer Contribution mps Well Pumps-Prior 1948 mps Well Pumps-1948 mps Well Pumps-1948 mps Well Pumps-1958 mps Well Pumps-1966 mps Well Pumps-1977 mps Well Pumps-1977 mps Well Pumps-1979 mps Well Pumps-1979 mps Well Pumps-1986 mps Well Pumps-1987 mps Well Pumps-1988 mps Well Pumps-1988 mps Well Pu	ments Pipe Oversizing Culinary ted Subdivision Development Culinary ted 2013 Developer Contribution Culinary ted Subdivision Development Culinary ted Subdivision Development Culinary ted Subdivision Development Culinary ments Pipe Oversizing Culinary ted Subdivision Development Culinary ments Adobe Loop Culinary ted 2014 Developer Contribution Culinary ted 2015 Subdivision Development Culinary ted 2015 Subdivision Development Culinary ted 2014-2015 Developer Contributior Culinary ted 2014-2015 Developer Contributior Culinary ted 2014-2015 Developer Contributior Culinary ted 2016 Subdivision Development Culinary ted 2016 Subdivision Development Culinary ted 2016 Subdivision Development Culinary ments 300 W Frontage Rd Water Line Culinary ments Spring Line to Low Hills Tank Culinary ments Spring Line to Low Hills Tank Culinary ments Spring Line to Low Hills Tank Culinary ments Sandpit Well Culinary with Well Pumps-1948 Culinary with Well Pumps-1949 Culinary with Well Pumps-1949 Culinary with Well Pumps-1958 Culinary with Well Pumps-1975 Culinary with Well Pumps-1975 Culinary with Well Pumps-1975 Culinary with Well Pumps-1975 Culinary with Well Pumps-1979 Culinary with Well Pumps-1986 Culinary with Well Pumps-1987 Culinary with Well Pumps-1987 Culinary with Well Pumps-1980 Culinary with Well Pumps Pumps Alpins Spring 1990 CDBG Culinary with Well Pumps Pilgrims Landing Well & Tank Culinary with Pilgrims Landing Well & Tank Culinary Spring Creek Well Culinary Spring Creek Well Culinary with Pilgrims Landing Well & Tank Culinary Spring Creek Well Culinary	ments Pipe Oversizing Culinary Transmission ted Subdivision Development Culinary Transmission ted 2013 Developer Contribution Culinary Transmission Pipe Oversizing Culinary Transmission ted Subdivision Development Culinary Transmission ted Subdivision Development Culinary Transmission Ments Gray Well Culinary Transmission Ments Gray Well Culinary Transmission Ted 2014 Developer Contribution Culinary Transmission ted 2015 Pipe Oversizing Culinary Transmission ted 2015 Subdivision Development Culinary Transmission Ments Gray Well Add't Improvement Culinary Transmission Ments 300 W Frontage Rd Water Line Culinary Transmission Ments 2016 Subdivision Development Culinary Transmission Ments 2016 Pipe Oversizing Culinary Transmission Ments 2016 Pipe Oversizing Culinary Transmission Ments Spring Line to Low Hills Tank Culinary Transmission Ments Spring Line to Low Hills Tank Culinary Storage Ments Traverse Booster w/piping Culinary Storage Ments Traverse Booster w/piping Culinary Source Mell Pumps-1948 Culinary Source Mell Pumps-1948 Culinary Source Mell Pumps-1949 Culinary Source Mell Pumps-1949 Culinary Source Mell Pumps-1958 Culinary Source Mell Pumps-1966 Culinary Source Mell Pumps-1975 Culinary Source Mell Pumps-1975 Culinary Source Mell Pumps-1977 Culinary Source Mell Pumps-1978 Culinary Source Mell Pumps-1979 Culinary Source Mell Pumps-1986 Culinary Source Mell Pumps-1987 Culinary Source Mell Pumps-1988 Culinary Source Mell Pumps-1989 Culinary Source Mell Pumps-1980 Culinary Source Mell Pumps-1980 Culinary Source Mell Pumps-1980 Culinary Source Mell Pumps Piprims Landing Well & Tank Culinary Source Meps Pilgrims Landing Well & Tank Culinary Source Meps Pilgri	ments Pipe Oversizing Culinary Transmission System Subdivision Development Culinary Transmission Project ted Subdivision Development Culinary Transmission Project Ted 2013 Developer Contribution Culinary Transmission Project Mements Pipe Oversizing Culinary Transmission System System Med Subdivision Development Culinary Transmission Project Transmission Project Mements Gray Well Culinary Transmission System Mements Adobe Loop Culinary Transmission System Mements Adobe Loop Culinary Transmission Project Mements 2015 Pipe Oversizing Culinary Transmission Project Mements 2015 Pipe Oversizing Culinary Transmission Project Mements Gray Well Add't Improvement Culinary Transmission Project Mements Gray Well Add't Improvement Culinary Transmission Project Mements Gray Well Add't Improvement Culinary Transmission Project Mements 300 W Frontage Rd Water Line Culinary Transmission Project Mements 2016 Pipe Oversizing Culinary Transmission Project Mements 2016 Pipe Oversizing Culinary Transmission Project Mements Spring Line to Low Hills Tank Culinary Transmission System Mements Spring Line to Low Hills Tank Culinary Storage System Mements Traverse Booster W/piping Culinary Pumping System Mements Sandpit Well Culinary Source System Mements Sandpit Well Culinary Source System Mements Well Pumps-1948 Culinary Source System Mements Well Pumps-1949 Culinary Source System Memps Well Pumps-1958 Culinary Source System Memps Well Pumps-1958 Culinary Source System Memps Well Pumps-1972 Culinary Source System Memps Well Pumps-1975 Culinary Source System Memps Well Pumps-1979 Culinary Source System Memps Well Pumps-1986 Culinary Source System Memps Well Pumps-1987 Culinary Source System Memps Well Pumps-1987 Culinary Source System Memps Well Pumps-1987 Culinary Source System Memps Well Pumps-1986 Culinary Source System Memps Well Pumps-1987 Culinary Source System Memps Well Pumps-1986 Culinary Source System Memps Well Pumps-1987 Culinary Source System Memps Memps Alpins Spring 1990 CDBG Culinary Source System Memps Pigrims Landing We	ments Pipe Oversizing Culinary Transmission System 30.00 ted Subdivision Development Culinary Transmission Project 30.00 ments Pipe Oversizing Culinary Transmission Project 30.00 ments Gray Well Culinary Transmission Project 30.00 ments Adobe Loop Culinary Transmission Project 30.00 ments Adobe Loop Culinary Transmission Project 30.00 ments Adobe Loop Culinary Transmission Project 30.00 ments 2015 Pipe Oversizing Culinary Transmission Project 30.00 ments 2015 Subdivision Development Culinary Transmission Project 30.00 ments Gray Well Addt'l Improvement Culinary Transmission Project 30.00 ments Gray Well Addt'l Improvement Culinary Transmission Project 30.00 ments 300 W Frontage Rd Water Line Culinary Transmission Project 30.00 ments 300 W Frontage Rd Water Line Culinary Transmission System 30.00 ments Spring Line to Low Hills Tank Culinary Transmission Project 30.00 ments Spring Line to Low Hills Tank Culinary Transmission Project 30.00 ments Spring Line to Low Hills Tank Culinary Storage System 30.00 ments Spring Line to Low Hills Tank Culinary Pumping System 30.00 ments Sandpit Well Culinary Pumping System 30.00 ments Sandpit Well Culinary Pumping System 30.00 ments Sandpit Well Culinary Source System 30.00 mps Well Pumps-1948 Culinary Source System 30.00 mps Well Pumps-1958 Culinary Source System 30.00 mps Well Pumps-1966 Culinary Source System 30.00 mps Well Pumps-1975 Culinary Source System 30.00 mps Well Pumps-1975 Culinary Source System 30.00 mps Well Pumps-1975 Culinary Source System 30.00 mps Well Pumps-1976 Culinary Source System 30.00 mps Well Pumps-1986 Culinary Source System 30.00 mps Pu	Ments	ments Pipe Oversizing Culinary Transmission System 30.00 Yes Non-Qualifying ted Subdivision Development Culinary Transmission Project 30.00 Yes Non-Qualifying ted 2013 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying ments Pipe Oversizing Culinary Transmission Project 30.00 Yes Non-Qualifying ments Gray Well Culinary Transmission Project 30.00 Yes Non-Qualifying ments Gray Well Culinary Transmission Project 30.00 Yes Non-Qualifying ments Gray Well Culinary Source System 30.00 Yes Non-Qualifying ted 2014 Developer Contribution Culinary Transmission System 30.00 Yes Qualifying ted 2015 Pipe Oversizing Culinary Transmission Project 30.00 Yes Non-Qualifying ted 2015 Subdivision Development Culinary Transmission Project 30.00 Yes Non-Qualifying Ments Gray Well Add't Improvement Culinary Transmission Project 30.00 Yes Non-Qualifying Ments Gray Well Add't Improvement Culinary Transmission Project 30.00 Yes Non-Qualifying Ments Gray Well Add't Improvement Culinary Transmission Project 30.00 Yes Non-Qualifying Ments 300 Werontage Bd Water Line Culinary Transmission System 30.00 Yes Non-Qualifying Ments 300 Werontage Bd Water Line Culinary Transmission System 30.00 Yes Non-Qualifying Ments 2016 Pipe Oversizing Culinary Transmission System 30.00 Yes Non-Qualifying Ments 2016 Pipe Oversizing Culinary Transmission System 30.00 Yes Qualifying Ments 2016 Pipe Oversizing Culinary Transmission System 30.00 Yes Qualifying Ments Spring Line to Low Hills Tank Culinary Transmission System 30.00 Yes Qualifying Ments Sandpit Well Culinary Transmission System 30.00 Yes Qualifying Ments Sandpit Well Culinary Source System 30.00 Yes Qualifying Ments Sandpit Well Culinary Source System 30.00 Yes Qualifying Ments Sandpit Well Pumps-1948 Culinary Source System 30.00 Yes Non-Qualifying Mps Well Pumps-1956 Quilnary Source System 30.00 Yes Non-Qualifying Mps Well Pumps-1977 Culinary Source System 30.00 Yes Non-Qualifying Mps Well Pumps-1977 Culinary Source System 30.00 Yes Non-Qualifying Mps Well Pumps-1977 Culina	ments Pipe Oversizing Culinary Transmission System 30.00 Yes Non-Qualifying Led 2013 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying Led 2013 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying Led Subdivision Development Culinary Transmission Project 30.00 Yes Non-Qualifying Led Subdivision Development Culinary Transmission Project 30.00 Yes Non-Qualifying Led 2014 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying Led 2014 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying Led 2015 Pipe Coversizing Culinary Transmission Project 30.00 Yes Non-Qualifying 2014 Led 2015 Pipe Coversizing Culinary Transmission Project 30.00 Yes Non-Qualifying 2015 Led 2015 Subdivision Development Culinary Transmission Project 30.00 Yes Non-Qualifying 2015 Led 2015 Subdivision Development Culinary Transmission Project 30.00 Yes Non-Qualifying 2015 Led 2016 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying Led 2016 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying Led 2016 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying Led 2016 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying Led 2016 Developer Contribution Culinary Transmission Project 30.00 Yes Non-Qualifying 2016 Led 2016 Developer Contribution Culinary Transmission Project 30.00 Yes Qualifying 2016 Led 2016 Developer Contribution Culinary Sucree System 30.00 Yes Non-Qualifying 2016 Led 2016 Developer Contribution Culinary Sucree System 30.00 Yes Non-Qualifying 2016 Led 2016 Developer Contribution Culinary Sucree System 30.00 Yes N

APPENDIX F: HISTORIC CITY ASSET DATA

LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS

		CULINARY PRO	DUCTION/ TREA	TMENT			
					_	Percent	_
		Existing	10-Year	Buildout	Percent to	to 10-	Percent
	Capacity	Use	Use	Use	Existing	Year	to
	(gpm)	(gpm)	(gpm)	(gpm)		Growth	Buildout
ndpit Well	1,300	1,288	5	7	99.1%	0.4%	0.5%
/P Connection	930	-	554	376	0.0%	59.6%	40.4%
/P Gardner/Holbrook	2,355		831	1,524	0.0%	35.3%	64.7%
LINARY SOURCE	4,585	1,288	1,390	1,907	99.1%	0.39%	0.5%
BLE F.2: STORAGE							
BEET:2. STORAGE		CULIN	ARY STORAGE				
						Percent	
	Existing Capacity	Existing Use	10-Year Use	Buildout Use	Percent Used by	Available to	Percent to
	(gallons)	(gallons)	(gallons)	(gallons)	Existing	10-Year	Buildout
						Growth	
sting Storage	8,920,000	7,139,520	493,995	1,286,485	80.04%	5.54%	14.42%
	ļ						
Overall:	8,920,000	7,139,520	493,995	1,286,485	80.04%	5.54%	14.42%
DI F. F. S. TRANSMAISSION / DUMADIN	10						
BLE F.3: TRANSMISSION/PUMPIN	NG	CHLINARY TRA	NSMISSION/PU	MRING			
		COLINARY TRA	INSIVIISSION/PO	MFING		Percent	
	Existing Capacity	Existing Peak	10-Year Peak	Buildout Peak		i Ci cciic	
		_	10 rear reak	Dulluout Feak	Percent Used by	Available to	Percent to
		Day Demand	Day Demand	Day Demand	Percent Used by		Percent to
	(gpm)	_			Percent Used by Existing	10-Year	Percent to Buildout
ral		Day Demand	Day Demand	Day Demand	•		
tal		Day Demand	Day Demand	Day Demand	Existing	10-Year Growth	Buildout
al Overall:	(gpm)	Day Demand	Day Demand	Day Demand	Existing	10-Year Growth	Buildout
Overall:	(gpm) -	Day Demand (gpm)	Day Demand (gpm)	Day Demand	Existing 57.0%	10-Year Growth 6.1%	Buildout 36.9%
	(gpm) -	Day Demand (gpm)	Day Demand (gpm)	Day Demand	Existing 57.0%	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P	(gpm) - PROJECTS CULINARY PR	Day Demand (gpm)	Day Demand (gpm) -	Day Demand (gpm)	57.0% 57.0%	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset	(gpm) PROJECTS CULINARY PRO Asset Cost	Day Demand (gpm) - ODUCTION/ TREA % Existing	Day Demand (gpm) - TIMENT % 10 Year	Day Demand (gpm)	57.0% 57.0% Total	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P	PROJECTS CULINARY PRO Asset Cost \$ 2,457,898	Day Demand (gpm) - ODUCTION/ TREA % Existing	Day Demand (gpm) -	Day Demand (gpm)	57.0% 57.0%	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset oduction/Treatment Assets	(gpm) PROJECTS CULINARY PRO Asset Cost \$ 2,457,898 \$ 2,457,898	Day Demand (gpm) - ODUCTION/ TREA % Existing \$ 2,435,210	Day Demand (gpm) - TIMENT \$ 10 Year \$ 9,643	Day Demand (gpm) - **Beyond** \$ 13,046	57.0% 57.0% Total \$ 2,457,898	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset oduction/Treatment Assets	(gpm) PROJECTS CULINARY PRO Asset Cost \$ 2,457,898 \$ 2,457,898	Day Demand (gpm) ODUCTION/ TREA % Existing \$ 2,435,210 \$ 2,435,210	Day Demand (gpm) - TIMENT \$ 10 Year \$ 9,643	Day Demand (gpm) - **Beyond** \$ 13,046	57.0% 57.0% Total \$ 2,457,898	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset oduction/Treatment Assets	(gpm) PROJECTS CULINARY PRO Asset Cost \$ 2,457,898 \$ 2,457,898 CULI Asset Cost	Day Demand (gpm) - ODUCTION/ TREA % Existing \$ 2,435,210 \$ 2,435,210 NARY STORAGE	TMENT \$ 9,643 \$ 9,643	Day Demand (gpm) - % Beyond \$ 13,046 \$ 13,046	57.0% 57.0% Total \$ 2,457,898 \$ 2,457,898	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset Eduction/Treatment Assets tal Culinary Production	(gpm) PROJECTS CULINARY PRO Asset Cost \$ 2,457,898 \$ 2,457,898 CULI Asset Cost	Day Demand (gpm)	TMENT \$ 9,643 \$ 9,643 % 10 Year	Day Demand (gpm) - % Beyond \$ 13,046 \$ 13,046	57.0% 57.0% Total \$ 2,457,898 \$ 2,457,898	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset duction/Treatment Assets tal Culinary Production sting Storage	(gpm) PROJECTS CULINARY PRO Asset Cost \$ 2,457,898 \$ 2,457,898 CULI Asset Cost \$ 5,450,118 \$ 5,450,118	Day Demand (gpm)	TMENT \$ 10 Year \$ 9,643 \$ 9,643 \$ 10 Year \$ 301,831 \$ 301,831	% Beyond \$ 13,046 \$ 13,046 \$ 18,046 \$ 786,042 \$ 786,042	57.0% 57.0% Total \$ 2,457,898 \$ 2,457,898 Total \$ 5,450,118	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset duction/Treatment Assets tal Culinary Production sting Storage tal Culinary Storage	(gpm) PROJECTS CULINARY PRO Asset Cost \$ 2,457,898 \$ 2,457,898 CULINASSET Cost \$ 5,450,118 \$ 5,450,118 CULINARY TR Asset Cost	Day Demand (gpm)	TMENT % 10 Year \$ 9,643 \$ 9,643 % 10 Year \$ 301,831 \$ 301,831 MPING % 10 Year	% Beyond \$ 13,046 \$ 13,046 \$ 18,046 \$ 18,046 \$ 8,042 \$ 786,042 \$ 8,042	57.0% 57.0% Total \$ 2,457,898 \$ 2,457,898 Total \$ 5,450,118 \$ 5,450,118	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset Eduction/Treatment Assets Eal Culinary Production Sting Storage Eal Culinary Storage	(gpm) PROJECTS CULINARY PRO Asset Cost \$ 2,457,898 \$ 2,457,898 CULINARY PRO \$ 5,450,118 \$ 5,450,118 CULINARY TR Asset Cost \$ 13,704,670	Day Demand (gpm)	TMENT	% Beyond \$ 13,046 \$ 13,046 \$ 13,046 \$ 13,046 \$ 8eyond \$ 786,042 \$ 786,042 \$ 5,057,023	57.0% 57.0% Total \$ 2,457,898 \$ 2,457,898 Total \$ 5,450,118 \$ 5,450,118 \$ 13,704,670	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset duction/Treatment Assets tal Culinary Production sting Storage tal Culinary Storage	(gpm) PROJECTS CULINARY PRO Asset Cost \$ 2,457,898 \$ 2,457,898 CULINARY PRO \$ 5,450,118 \$ 5,450,118 CULINARY TR Asset Cost \$ 13,704,670	Day Demand (gpm)	TMENT % 10 Year \$ 9,643 \$ 9,643 % 10 Year \$ 301,831 \$ 301,831 MPING % 10 Year	% Beyond \$ 13,046 \$ 13,046 \$ 18,046 \$ 18,046 \$ 8,042 \$ 786,042 \$ 8,042	57.0% 57.0% Total \$ 2,457,898 \$ 2,457,898 Total \$ 5,450,118 \$ 5,450,118	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset Eduction/Treatment Assets Eal Culinary Production Sting Storage Eal Culinary Storage Eal Culinary Transmission	(gpm) PROJECTS CULINARY PR Asset Cost \$ 2,457,898 \$ 2,457,898 CULI Asset Cost \$ 5,450,118 \$ 5,450,118 CULINARY TR Asset Cost \$ 13,704,670 \$ 13,704,670	Day Demand (gpm)	TMENT % 10 Year \$ 9,643 \$ 9,643 \$ 10,831 \$ 301,831 \$ 301,831 \$ 301,831 \$ 301,831 \$ 301,831 \$ 301,831 \$ 301,831 \$ 301,831 \$ 301,831	% Beyond \$ 13,046 \$ 13,046 \$ 786,042 \$ 786,042 \$ 5,057,023 \$ 5,057,023	Total \$ 2,457,898 \$ 2,457,898 Total \$ 5,450,118 \$ 5,450,118 \$ 13,704,670 \$ 13,704,670	10-Year Growth 6.1%	Buildout 36.9%
Overall: BLE F.4: SUMMARY OF BUY-IN P Asset Eduction/Treatment Assets Eal Culinary Production Sting Storage Eal Culinary Storage	(gpm) PROJECTS CULINARY PRO Asset Cost \$ 2,457,898 \$ 2,457,898 CULINARY PRO Asset Cost \$ 5,450,118 \$ 5,450,118 CULINARY TR Asset Cost \$ 13,704,670 \$ 13,704,670	Day Demand (gpm)	TMENT	% Beyond \$ 13,046 \$ 13,046 \$ 786,042 \$ 786,042 \$ 5,057,023 \$ 5,057,023	57.0% 57.0% Total \$ 2,457,898 \$ 2,457,898 Total \$ 5,450,118 \$ 5,450,118 \$ 13,704,670	10-Year Growth 6.1%	Buildout 36.9%

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APPENDIX G: FUTURE CULINARY WATER DEBT

В

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\$

В

1,744,278 \$

С

351,491 \$

D

515,472 \$

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877,315 \$

LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS

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GRAND TOTAL

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	A	В			C		ט	ı	Ξ		Г		G
_1	TABLE G.1: PROPOSED SE	RIES 2018 DEBT											
	Year	Series 2018 Wa	ater/ PI I	Revenu	ie Bonds, \$4M	to Cul	inary Water						
		Principal			Interest		Fiscal						
	2018	\$	-	\$	-	\$	-						
	2019	14	44,344		142,870		287,214						
	2020	14	49,396		137,818		287,214						
	2021	15	54,625		132,589		287,214						
	2022	16	60,037		127,177		287,214						
	2023	16	65,638		121,576		287,214						
	2024	17	71,435		115,779		287,214						
	2025	17	77,436		109,778		287,214						
	2028	19	96,726		90,488		287,214						
	2029	20	03,611		83,603		287,214						
	2030	21	10,738		76,476		287,214						
	2031		18,114		69,100		287,214						
	2032		25,748		61,466		287,214						
	2033	23	33,649		53,565		287,214						
	2034		41,826		45,388		287,214						
	2035		50,290		36,924		287,214						
	2036	25	59,050		28,163		287,214						
	2037	26	68,117		19,097		287,214						
	2038	27	77,501		9,713		287,214						
	2039												
	Total Debt Service	\$ 4,08	82,000	\$	1,662,278	\$	5,744,278						
		•	•	•				<u>.</u> 1					
	ABLE G.2: SERIES 2018 V	VATER & PI REVENU	JE BONI	D - PRO	JECTS FUNDED	50%	TO CULINARY W	/ATER					
					% Impact Fe		npact Fee						
	Serie	s 2018		Total Project Costs		Project Level		Qualifying - 10 Year		Qualifying - Beyond			Totals
						F1	lojett Level	Qualityili	5 - 10 Tear	1	l0 Year		
	West Side 1 (2.3 MG)			\$	2,271,000		0.00%		32.10%		67.90%		100.00
	600 East Replacement (2.	3 MG) - Bond			3,124,000		34.80%		27.70%		37.50%	1	100.00
												<u> </u>	
	GRAND TOTAL			\$	5,395,000	\$	1,087,152	\$	1,594,339	\$	2,713,509	\$	5,395,00
					- 		·						· · · · · · · · · · · · · · · · · · ·
	TABLE G.3: SERIES 2018 V	VATER & PI REVENU	JE BONI	D - ALL	OCATION OF I	NTERE:	ST AND COST O	FISSUANCE	<u> </u>				
							to Existing /	\$ Impact Fee		\$ Impact Fee			
	Serie	s 2018		Во	nd Interest		roject Level	Qualifying		Qualify	ing - Beyond		Totals
							oject Lever	Quantying	,-10 Teal	1	l0 Year		
	West Side 1 (2.3 MG)			\$	734,246	\$	-	\$	235,693	\$	498,553	\$	734,24
6	500 East Replacement (2.	3 MG) - Bond			1,010,033		351,491		279,779		378,762	İ	1,010,03
4						1						1	

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1,744,278

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Appendix H: Culinary Water Non-Qualifying Facility Credit LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS

A B C D E F G H I

TABLE H.1: IMPACT FEE CALCULATION

1	Year	Rate of Growth	ERU	Non-Qualifying Future Capital Projects	Rate Reserves for Non-Qualifying Projects	Debt Service Credit	Net Credit Expense	Total Cost to Existing	Annual Cost per ERU
2	2015			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	2016		17,849	-	-	-	-	-	-
4	2017	3.18%	18,417	-	-	-	-	-	-
5	2018	3.08%	18,984	1,181,202	-	-	1,181,202	1,181,202	62.22
6	2019	2.99%	19,552	812,384	(1,087,152)	-	(274,768)	(274,768)	(14.05)
7	2020	2.90%	20,119	-	-	-	-	-	-
8	2021	2.82%	20,686	-	-	-	-	•	-
9	2022	2.74%	21,254	188,518	-	-	188,518	188,518	8.87
10	2023	2.67%	21,821	2,090	-	-	2,090	2,090	0.10
11	2024	2.60%	22,388	1,488	-	-	1,488	1,488	0.07
12	2025	2.53%	22,956	-	-	-	-	-	-
13	2026	2.47%	23,523	-	-	-	-	-	-
14	2027	2.40%	24,087	-	-	-	-	-	-
15	2028	2.34%	24,651	-	-	-	-	-	-
16	2029	2.29%	25,215	-	-	-	-	-	-
17	2030	2.24%	25,779	-	-	-	-	-	-
18	2031	2.19%	26,343	-	-	-	-	-	-
19	2032	2.14%	26,907	-	-	-	-	•	-
20	2033	2.10%	27,471	-	-	-	-	•	-
21	2034	2.05%	28,035	-	-	-	-	•	-
22	2035	2.01%	28,599	-	-	-	-	•	-
23	2036	1.97%	29,163	-	-	-	-	•	-
24	2037	1.93%	29,727	-	-	-	-	•	-
25	2038	1.90%	30,291	-	-	-	-	-	-
26	2039	1.86%	30,855	-	-	-	-	-	-
27	2040	1.83%	31,419	-	-	-	-	-	-
28				\$ 2,185,682	\$ (1,087,152)	\$ -	\$ 1,098,530	\$ 1,098,530	\$ 57.20
29	Α	В	С	D	E	F	G	н	I

A B C D E F G H

APPENDIX I: CULINARY WATER CALCULATION OF THE IMPACT FEE PER ERU

LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS

C D E F **TABLE I.1: IMPACT FEE CALCULATION**

1	Component		otal Cost to Component	% That will Serve Ten Year Demand	tha	llar Amount at will Serve Ten Year Demand	Ten Year Demand (ERU)	Co	ost per ERU
2	CULINARY PRODUCTION/ TREATMENT								
3	Future 10 Year Capital Projects	\$	2,369,000	42.20%	\$	999,718	5,674	\$	176
Ļ	Future Production Related Debt to be Issued - INTEREST ONLY		-	0.00%		-	5,674		-
	Existing Production - Sandpit		2,457,898	0.39%		9,643	5,674		2
	Existing Production- CWP Gardner and Holbrook		1,533,600	35.29%		541,156	5,674		95
	Existing Production Related Debt - INTEREST ONLY		-	0.00%		-	5,674		-
	Production/Treatment Subtotal	\$	6,360,498		\$	1,550,516		\$	273.27
)									
0									
1	CULINARY STORAGE								
	Future 10 Year Capital Projects	\$	10,422,000	26.86%	\$	2,799,702	5,674	\$	493
3	Future Storage Related Debt to be Issued - INTEREST ONLY		1,744,278	29.55%		515,472	5,674		91
	Existing Storage Projects		5,450,118	5.54%		301,831	5,674		53
5	Existing Storage Related Debt - OUTSTANDING INTEREST			0.00%		-	5,674		
6									
7	Storage Subtotal	\$	17,616,396		\$	3,617,005		\$	637.47
3									
9	CULINARY TRANSMISSION/PUMPING								
0	Future 10 Year Capital Projects	\$	8,551,000	12.12%	\$	1,036,199	5,674	\$	183
1	Future Transmission Related Debt to be Issued - INTEREST ONLY		-	0.00%		-	5,674		-
2	Existing Transmission Projects		13,704,670	6.10%		835,985	5,674		147
3	Existing Transmission Related Debt - OUTSTANDING INTEREST		-	0.00%		-	5,674		-
4									
5	Transmission/Pumping Subtotal	\$	22,255,670		\$	1,872,184		\$	329.96
6									
7	Professional Services/ Credits								
8	Unspent Impact Fee Funds (Excluding Uncommitted Funds)		-	0.00%	\$	-	5,674	\$	-
9	Credit for Projects Benefitting Existing Users*		-				5,674		(57.20
0	Professional Services Expense		60,000	100%		60,000	5,674		11
1	Professional Services/Credits Subtotal		60,000			60,000			(46.62
2									
2	Total Impact Fee Per ERU	Ś	46,292,564		\$	7,099,705		\$	1,194.07

B C D E

APPENDIX J: FINAL FEE SCHEDULE

LEHI CITY CULINARY WATER IMPACT FEE ANALYSIS

	Α	В	С	E							
1	TABLE J.1: CALCULATION OF CULINARY WATER IMPACT FEE										
2	Unit Type	Fee per ERU	Meter Size	Equivalency Ratio	Impact Fee by Meter Size	2					
3	Residential	\$ 1,194.07	per dwelling unit	1.00	\$ 1,194.07	3					
4			3/4"	1.00	1,194.07	4					
5			1"	2.67	3,184.19	5					
6			1 1/2"	3.33	3,980.23	6					
7	Non-Residential/		2"	10.67	12,736.75	7					
8	Multi-Family Residential		3"	23.33	27,861.64	8					
9			4"	42.00	50,150.95	9					
10			6"	93.33	111,446.56	10					
11			8"	160.00	191,051.25	11					
12						12					
13						13					
14						14					
15	Table J.2: Culinary Water (Connection Fee by N	∕leter Size		-	15					
16	No		16								
17	Step 1: Identify Estimated Average Annual Demand (Gallons) of Proposed Development										
18	Step 2: Multiply Ave		18								
19											
20					-	20					
21						21					
	Δ	R	C	D	F						