



PREPARED FOR:

PREPARED BY:



HERRIMAN CITY WATER SYSTEM IMPACT FEE ANALYSIS

JUNE 2024
DRAFT



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EXECUTIVE SUMMARY WATER IMPACT FEE ANALYSIS

The purpose of the impact fee analysis (IFA) is to calculate the allowable impact fee that may be assessed to new development in accordance with Utah Code.

WHY ASSESS AN IMPACT FEE?

Until new development utilizes the full capacity of existing facilities the City can assess an impact fee to recover its cost of latent capacity available to serve future development. The general impact fee methodology divides the available capacity of existing and future capital projects between the number of existing and future users. Because of wide variability in development types, capacity is measured in terms of capacity of peak day demand in gallons per minute (gpm). The fee is then calculated for the various size units anticipated within the city.

HOW ARE IMPACT FEES CALCULATED?

A fair impact fee is calculated by dividing the cost of existing and future facilities by the amount of new growth that will benefit from the unused capacity. Only the capacity that is needed to serve the projected growth within the next ten years is included in the fee. Costs used in the calculation of impact fees include:

- New facilities required to maintain (but not exceed) the proposed level of service identified in the IFFP; only those expected to be built within ten years are considered in the final calculations of the impact fee.
- Historic costs of existing facilities that will serve new development
- Cost of professional services for engineering, planning, and preparation of the impact fee facilities plan and impact fee analysis

Costs not used in the impact fee calculation

- Operational and maintenance costs
- Cost of facilities constructed beyond 10 years in the future
- Cost associated with capacity not expected to be used within 10 years
- Cost of facilities funded by grants, developer contributions, or other funds which the City is not required to repay
- Cost of renovating or reconstructing facilities which do not provide new capacity or needed enhancement of services to serve future development

IMPACT FEE CALCULATION

Impact fees for this analysis were calculated by dividing the proportional cost of facilities required to service 10-year growth by the amount of growth expected over the next 10-years (based on peak day demand). This is done for each of the major system components. Calculated impact fees by component are summarized in Table ES-1.

**Table ES-1
Water Impact Fee Calculation per ERU**

Water System Components	Total Cost of Component	% Serving 10-year Growth	Cost Serving 10-year Growth	10-year Peak Day Demand (gpm)	Cost per PDD (\$/gpm)
Water Rights					
Existing Facilities	\$17,360,128	13.33%	\$2,314,358	7,048	\$328.38
10-year Projects	\$700,000	100.00%	\$700,000	7,048	\$99.32
Subtotal	\$18,060,128		\$3,014,358		\$427.70
Production					
Existing Facilities	\$5,584,818	22.63%	\$1,263,689	7,048	\$179.30
10-year Projects	\$6,700,000	21.83%	\$1,462,773	7,048	\$207.55
	\$714,204	21.83%	\$155,928	7,048	\$22.12
Subtotal	\$12,284,818		\$2,726,462		\$386.85
Pumping					
Existing Facilities	\$11,673,935	18.83%	\$2,198,041	7,048	\$311.87
10-year Projects	\$9,317,000	17.66%	\$1,645,113	7,048	\$233.42
10-Year Project Interest Costs	\$951,804	17.66%	\$168,061	7,048	\$23.85
Subtotal	\$21,942,739		\$4,011,215		\$569.14
Storage					
Existing Facilities	\$29,982,267	12.55%	\$3,761,934	7,048	\$533.77
10-year Projects	\$36,452,000	28.12%	\$10,249,424	7,048	\$1,454.25
10-Year Project Interest Costs	\$3,885,695	28.12%	\$1,092,564	7,048	\$155.02
Subtotal	\$70,319,962		\$15,103,921		\$2,143.04
Transmission					
Existing Facilities	\$46,512,347	24.38%	\$11,342,007	7,048	\$1,609.27
10-year Projects	\$33,011,000	21.58%	\$7,123,179	7,048	\$1,010.68
Existing Facility Interest Costs Outstanding	\$2,164,470	24.38%	\$527,805	7,048	\$74.89
10-Year Project Interest Costs	\$2,395,188	21.58%	\$516,838	7,048	\$73.33
Subtotal	\$84,083,005		\$19,509,829		\$2,768.18
Planning (Master Plan & Impact Fees)	\$100,000	60.00%	\$60,000	3,524	\$17.03
Credit for User Fees Paid Toward Existing					\$340.10
Total					\$5,971.82

RECOMMENDED IMPACT FEE

The total calculated impact fee is summarized in Tables ES-2 for several types of single-family connections.

Table ES-2
Water Impact Fee for Single Family Unit

Type of Unit	Indoor Water Impact Fee	Irrigated Area (acres)	Outdoor Water Impact Fee	Total Water Impact Fee
Townhome	\$964	0.03	\$995	\$1,959
Single Family <1/4 Acre Lot	\$964	0.13	\$4,310	\$5,274
Single Family 0.25 to 0.49 Acre Lot	\$964	0.18	\$5,968	\$6,932
Single Family 0.5 to 0.74 Acre Lot	\$964	0.22	\$7,295	\$8,259
Single Family 0.75 to 0.99 Acre Lot	\$964	0.23	\$7,626	\$8,590
Single Family 1.0 Acre Lot	\$964	0.26	\$8,621	\$9,585

This is the legal maximum amount that may be charged as an impact fee. A lower amount may be adopted if desired, but a higher fee is not allowable under the requirements of Utah Code.

IMPACT FEE ANALYSIS (WATER)

INTRODUCTION

Herriman City (City) has retained Bowen Collins & Associates (BC&A) to prepare an impact fee analysis (IFA) for the water supply and distribution system provided by the City. An impact fee is a one-time fee, not a tax, imposed upon new development activity as a condition of development approval to mitigate the impact of the new development on public infrastructure. The purpose of an IFA is to calculate the allowable impact fee that may be assessed to new development in accordance with Utah Code.

Requirements for the preparation of an IFA are outlined in Title 11, Chapter 36a of the Utah Code (the Impact Fees Act). Under these requirements, an IFA shall accomplish the following for each facility:

1. Identify the impact of anticipated development activity on existing capacity
2. Identify the impact of anticipated development activity on system improvements required to maintain the established level of service
3. Demonstrate how the impacts are reasonably related to anticipated development activity
4. Estimate the proportionate share of:
 - a. Costs of existing capacity that will be recouped
 - b. Costs of impacts on system improvements that are reasonably related to the new development activity
5. Identify how the impact fee was calculated
6. Consider the following additional issues
 - a. Manner of financing improvements
 - b. Dedication of system improvements
 - c. Extraordinary costs in servicing newly developed properties
 - d. Time-price differential

The following sections of this report have been organized to address each of these requirements.

1.0 IMPACT ON SYSTEM 11-36a-304(a)(b)

Growth within the City's service area, and projections of water demand resulting from said growth is discussed in detail in the City's Master Plan and Impact Fee Facilities Plan (IFFP). For the purposes of impact fee calculation, growth in the system has been expressed in terms of peak day demand in gallons per minute (gpm). This was done to account for the fact that various parts of the system may use culinary water or secondary water, and recognizes that the amount of water used for different types of development may vary significantly. Growth in peak day demands projected for the service area are as summarized in Table 1. For information purposes, the growth in indoor equivalent population is shown based on the City's water master plan less the Olympia service area that was annexed January 1, 2022.

**Table 1
Service Area Peak Day Demand Projections**

Year	Culinary Peak Day Demand (gpm)	Secondary Peak Day Demand (gpm)	Total Peak Day Demand (gpm)	Equivalent Population*
2024	16,074	4,541	20,616	80,109
2025	17,137	4,381	21,519	85,608
2026	17,921	4,460	22,381	91,123
2027	18,656	4,539	23,195	96,610
2028	19,337	4,617	23,954	102,028
2029	19,958	4,696	24,654	107,335
2030	20,516	4,775	25,291	112,494
2031	21,119	4,854	25,972	117,470
2032	21,741	4,854	26,594	122,234
2033	21,920	5,238	27,158	126,763
2034	22,271	5,393	27,663	131,038

*This is primarily based on indoor water use comparisons.

As indicated in the table, projected growth for the 10-year planning window of this impact fee analysis includes an increase in total peak day demand of 7,048 gpm.

1.1 RELATION OF IMPACTS TO ANTICIPATED DEVELOPMENT – 11-36a-304(1)(c)

To satisfy the requirements of state law, it is necessary to show that all impacts identified in the impact fee analysis are reasonably related to the anticipated development activity. This has been documented in detail in the Impact Fee Facilities Plan. In short, only that capacity directly associated with demand placed upon existing system facilities by future development has been identified as an impact of the development. The steps completed to identify the impacts of anticipated development are as follows.

1. **Existing Demand** – The demand existing development places on the system was estimated based on historic demand records.
2. **Existing Capacity** – The capacities of existing facilities were calculated based on the level of service criteria established for each type of facility in the Impact Fee Facilities Plan.
3. **Existing Deficiencies** – Existing deficiencies in the system were looked for by comparing defined levels of service against calculated capacities. Where existing deficiencies existed, projects were identified to eliminate the deficiencies. Costs associated with existing deficiencies were not assigned to impacts of development.
4. **Future Demand** - The demand future development will place on the system was estimated based on development projections as discussed in the Impact Fee Facilities Plan.
5. **Future Demand Use of Existing Capacity** – Whenever possible, excess capacity in existing

facilities has been used to serve future demands. Where this occurs, the amount of capacity used by future growth has been calculated as described in detail in the Impact Fee Facilities Plan.

6. **Future Deficiencies** – Where excess capacity is inadequate to meet projected demands, future deficiencies in the system were identified using the same established level of service criteria used for existing demands.
7. **Recommended Improvements** – Needed system improvements were identified to meet demands associated with future development.

The City has two service areas with respect to impact fees. The Olympia service area which includes the area annexed into the City in January 1, 2022, and the historic City boundary prior to that. The 2022 annexed area is treated as a separate service area based on a master development agreement with the City and due to a public infrastructure district adopted to finance the majority of infrastructure for the area. The Olympia service area will not pay a water impact fee and Olympia's growth and share of water infrastructure cost has been divided from the City service area. The level of service provided to residents in Olympia is the same as for the Herriman service area, but the manner of financing has required subdivision of the impact fee. As a result, this study considers one service area that includes the City's 2021 end of year corporate boundary.

1.2 PROPORTIONATE SHARE ANALYSIS 11-36a-304(d)

A comprehensive proportionate share analysis associated with anticipated future development and its impact on the system was completed as part of the Impact Fee Facilities Plan. A summary of that analysis is contained here with additional discussion of the costs of facilities impacted by growth.

Excess Capacity to Accommodate Future Growth

Defining existing system capacity in terms of a single number is difficult. To improve the accuracy of the analysis, the system has been divided into five different components (water rights, production, pumping, storage, and transmission). As part of the Impact Fee Facilities Plan, the capacity used by each type of user was analyzed in detail. Based on the analysis, the calculated percentage of existing capacity in system facilities used by existing users, growth during the 10-year planning window, and growth beyond the 10 year planning window is summarized in Table 2 for each component.

**Table 2
Use of Existing Capacity**

Culinary	Wells/Springs Water Rights		Production	Pumping	Storage	Transmission
Existing	57.7%		63.5%	48.4%	64.1%	40.4%
10-year Growth	27.2%		22.6%	32.0%	11.6%	26.4%
Growth Beyond 10 Years	15.1%		13.9%	19.6%	24.3%	33.1%
Secondary	Wells/Springs Water Rights	Welby Jacobs Canal Shares	Production	Pumping	Storage	Transmission
Existing	62.0%	87.3%	63.5%	42.0%	42.6%	44.4%
10-year Growth	18.6%	12.7%	22.6%	5.8%	14.9%	17.3%
Growth Beyond 10 Years	19.4%	0.0%	13.9%	52.1%	42.5%	38.3%

The City’s IFFP has a more detailed breakdown for some of the City facilities where it is possible to delineate use more clearly between existing, 10-year growth, and growth beyond 10-years (such as for storage reservoirs). Table 2 is useful for breaking up costs from the City’s general assets or where a specific project cannot be identified.

Existing System Infrastructure Costs

To calculate the actual cost of excess capacity in the existing system, BC&A first looked at the actual cost of all existing facilities. Table 3 lists the actual construction costs of existing components of the City’s water system along with the percentage of use by existing and future growth as calculated in the City’s IFFP. These costs were obtained from a fixed asset detailed report for the City through fiscal year ending 2023. Detailed costs for the facilities included in the table are contained in the appendix to this report.

**Table 3
Summary of Existing Water Infrastructure Costs**

Culinary	Wells/Springs Water Rights		Production	Pumping	Storage	Transmission	Culinary Total
Existing	\$1,345,719	\$0	\$2,703,251	\$2,805,685	\$13,857,812	\$14,631,235	\$35,343,702
10-year Growth	\$634,535	\$0	\$963,252	\$1,855,865	\$2,519,928	\$9,551,228	\$15,524,808
Growth Beyond 10 Years	\$353,500	\$4,164,655	\$590,545	\$1,139,384	\$5,256,308	\$11,990,510	\$23,494,901
Culinary Total	\$2,333,754	\$4,164,655	\$4,257,048	\$5,800,934	\$21,634,048	\$36,172,972	\$74,363,411
Secondary	Wells/Springs Water Rights	Welby Jacobs Canal Shares	Production	Pumping	Storage	Transmission	Secondary Total
Existing	\$3,106,909	\$5,103,921	\$843,141	\$2,468,717	\$3,558,210	\$4,586,061	\$19,666,959
10-year Growth	\$934,782	\$745,041	\$300,437	\$342,176	\$1,242,006	\$1,790,779	\$5,355,221
Growth Beyond 10 Years	\$971,065	\$0	\$184,190	\$3,062,107	\$3,548,003	\$3,962,534	\$11,727,899
Secondary Total	\$5,012,756	\$5,848,962	\$1,327,768	\$5,873,000	\$8,348,219	\$10,339,374	\$36,750,079
Culinary & Secondary Total	\$7,346,510	\$10,013,617	\$5,584,816	\$11,673,934	\$29,982,267	\$46,512,347	\$111,113,491
10-Year Total	\$1,569,317	\$745,041	\$1,263,689	\$2,198,041	\$3,761,934	\$11,342,007	\$20,880,030

In this study, public facility costs already incurred by the City will be included in the impact fee only to the extent that new growth will be served by the previously constructed improvements.

Existing Reimbursement Agreements

There are no current reimbursement agreements that would affect this impact fee analysis. Historical reimbursement agreements within the City have already been considered as part of existing assets.

Future Improvements

In addition to using available existing capacity, demand associated with projected future development will be met through the construction of additional capacity in new facilities. A primary focus of the Impact Fee Facilities Plan was the identification of projects required to serve new development. The results of the Impact Fee Facilities Plan are summarized in Table 4. Included in the table are the costs for all projects and the portion of costs associated with development. Water right purchases will be made as rights become available and will be used to meet 10-year demands proportional to growth.

**Table 4
Summary of 10-Year IFFP Project Costs**

Culinary	Wells / Springs Water Rights	Welby Jacobs Canal Shares	Production	Pumping	Storage	Transmission	Culinary Total
Existing	\$0	\$0	\$0	\$1,119,016	\$4,450,965	\$328,110	\$5,898,090
10-year Growth	\$0	\$0	\$0	\$1,113,349	\$9,351,906	\$3,954,963	\$14,420,218
Growth Beyond 10 Years	\$0	\$0	\$0	\$5,778,635	\$11,021,130	\$5,091,927	\$21,891,692
Culinary Total	\$0	\$0	\$0	\$8,011,000	\$24,824,000	\$9,375,000	\$42,210,000
Secondary	Water Rights	Welby Jacobs Canal Shares	Production	Pumping	Storage	Transmission	Secondary Total
Existing	\$0	\$0	\$0	\$72,765	\$5,024,389	\$10,597,939	\$19,565,557
10-year Growth	\$700,000	\$0	\$1,462,773	\$531,764	\$897,518	\$3,168,216	\$5,319,088
Growth Beyond 10 Years	\$0	\$0	\$5,237,227	\$701,471	\$5,706,093	\$9,869,845	\$11,705,746
Secondary Total	\$700,000	\$0	\$6,700,000	\$1,306,000	\$11,628,000	\$23,636,000	\$36,590,391
Culinary & Secondary Total	\$700,000	\$0	\$6,700,000	\$9,317,000	\$36,452,000	\$33,011,000	\$78,800,391
10-Year Total	\$700,000	\$0	\$1,462,773	\$1,645,113	\$10,249,424	\$7,123,179	\$19,739,306

All cost estimates contained in this IFA have been taken directly from the IFFP. The basis of these estimates are documented in the City's IFFP and Water Master Plan.

1.3 IMPACT FEE CALCULATION 11-36a-304(1)(e)

Using the information contained in the previous sections, impact fees can be calculated by dividing the proportional cost of facilities required to service 10-year growth by the amount of growth expected over the next 10-years. This is done for each of the major system components identified previously. Calculated impact fees by component are summarized in Tables 5.

Table 5
Water Impact Fee per Peak Day Demand

Water System Components	Total Cost of Component	% Serving 10-year Growth	Cost Serving 10-year Growth	10-year Peak Day Demand (gpm)	Cost per PDD (\$/gpm)
Water Rights					
Existing Facilities	\$17,360,128	13.33%	\$2,314,358	7,048	\$328.38
10-year Projects	\$700,000	100.00%	\$700,000	7,048	\$99.32
Subtotal	\$18,060,128		\$3,014,358		\$427.70
Production					
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10-Year Project Interest Costs	\$714,204	21.83%	\$155,928	7,048	\$22.12
Subtotal	\$12,284,818		\$2,726,462		\$386.85
Pumping					
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10-year Projects	\$9,317,000	17.66%	\$1,645,113	7,048	\$233.42
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Subtotal	\$21,942,739		\$4,011,215		\$569.14
Storage					
Existing Facilities	\$29,982,267	12.55%	\$3,761,934	7,048	\$533.77
10-year Projects	\$36,452,000	28.12%	\$10,249,424	7,048	\$1,454.25
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Subtotal	\$70,319,962		\$15,103,921		\$2,143.04
Transmission					
Existing Facilities	\$46,512,347	24.38%	\$11,342,007	7,048	\$1,609.27
10-year Projects	\$33,011,000	21.58%	\$7,123,179	7,048	\$1,010.68
Existing Facility Interest Costs Outstanding	\$2,164,470	24.38%	\$527,805	7,048	\$74.89
10-Year Project Interest Costs	\$2,395,188	21.58%	\$516,838	7,048	\$73.33
Subtotal	\$84,083,005		\$19,509,829		\$2,768.18
Planning (Master Plan & Impact Fees)	\$100,000	60.00%	\$60,000	3,524	\$17.03
Credit for User Fees Paid Toward Existing					\$340.10
Total					\$5,971.82

The total impact fee per peak day demand in gpm can be calculated by adding up the fee for each type of system component. This is separate from any additional charges levied by the City for hookup costs or for other reasonable permit and application fees.

Bonding Interest Costs

In addition to construction costs, Table 5 includes the cost of bond interest expense where applicable. This includes any outstanding interest costs on existing facilities where new growth will benefit from

excess capacity and future interest costs for bonds required to build projects needed for growth as identified in the Impact Fee Facilities Plan. Similar to project construction costs, only that portion of interest expense associated with capacity for growth is included in the impact fee calculation. The Appendix includes additional information on the City's bonds used to calculate bond interest costs.

Credit for User Fees

Not all of the existing deficiencies identified in the plan can be paid for from existing cash reserves. As a result, the plan includes some bonding toward projects that have at least a portion of their costs that benefit existing users. In this situation, user fees will be used to pay for the bonds over their lifetime.

For projects where this is the case, future users will pay for their portion of capacity via impact fees. They cannot also be expected to pay through user rates the portion of future bonds that will be used to build capacity or remedy deficiencies for existing users. This creates the need for a credit for future users. Calculation of this credit is summarized in Table 6. This table includes the following information:

- **Existing and Future Costs Paid Through User Fees** – This represents the total amount paid each year by the City toward the portion of past or future bonds used to cure existing deficiencies or increase the level of service for existing users. These totals have been divided between components where possible. Where is not possible, costs have been categorized under transmission costs which are more generally distributed over the City.
- **Cost Per Peak Day Demand** – This column takes the total amount paid and divides it by the amount of peak day demand projected for each year. This represents the amount paid in each year for peak day demand in dollars per gpm.
- **Present Value Cost per Peak Day Demand** – This column takes into account the time value of money assuming a rate of return of 3 percent annually.
- **Credit By Year** – The Credit by year shows the summary of all future years for each year of the bond payments included in the impact fee. Because the user fee credit is the summation of user fees paid toward existing deficiencies in each year, a new user who joins the system in five or ten years will pay less in total user fees than someone who joins the system next year. Thus, the user fee credit will decrease over time. The appropriate user fee can be calculated by adding the present value cost for all years subsequent to a new user's connection to the system.

Table 6
Credit for User Fees Paid Toward Existing

Year	Total of Bond Payment Benefitting Existing Users	Total Peak Day Demand (gpm)	Cost per Peak Day Demand (\$/gpm)	Present Value Cost Per Peak Day Demand	Credit by Year (\$/gpm)
2024	\$797,606	20,855	\$38.25	\$35.00	\$340.10
2025	\$800,567	22,005	\$36.38	\$32.32	\$305.10
2026	\$798,477	22,876	\$34.90	\$30.11	\$272.78
2027	\$797,115	23,699	\$33.64	\$28.17	\$242.67
2028	\$798,544	24,467	\$32.64	\$26.54	\$214.50
2029	\$797,672	25,176	\$31.68	\$25.01	\$187.96
2030	\$799,506	25,822	\$30.96	\$23.73	\$162.95
2031	\$797,402	26,511	\$30.08	\$22.38	\$139.22
2032	\$803,907	27,134	\$29.63	\$21.40	\$116.84
2033	\$791,645	27,740	\$28.54	\$20.02	\$95.44
2034	\$469,057	28,489	\$16.46	\$11.21	\$75.42
2035	\$469,288	29,308	\$16.01	\$10.59	\$64.21
2036	\$468,942	30,044	\$15.61	\$10.02	\$53.62
2037	\$468,018	30,701	\$15.24	\$9.50	\$43.60
2038	\$467,932	31,283	\$14.96	\$9.05	\$34.10
2039	\$468,624	31,712	\$14.78	\$8.68	\$25.05
2040	\$467,210	31,918	\$14.64	\$8.35	\$16.37
2041	\$466,575	32,182	\$14.50	\$8.03	\$8.03

Impact Fee Studies

Utah Code allows for the cost of planning and engineering associated with impact fee calculations to be recovered as part of an impact fee. This study includes the cost of this study and one impact fee update during the 10-year planning window.

Recommended Impact Fee

The total calculated impact fee is summarized in Tables 7 for several types of single-family connections.

**Table 7
Water Impact Fee for Single Family Unit**

Type of Unit	Indoor Water Impact Fee	Irrigated Area (acres)	Outdoor Water Impact Fee	Total Water Impact Fee
Townhome	\$964	0.03	\$995	\$1,959
Single Family <1/4 Acre Lot	\$964	0.13	\$4,310	\$5,274
Single Family 0.25 to 0.49 Acre Lot	\$964	0.18	\$5,968	\$6,932
Single Family 0.5 to 0.74 Acre Lot	\$964	0.22	\$7,295	\$8,259
Single Family 0.75 to 0.99 Acre Lot	\$964	0.23	\$7,626	\$8,590
Single Family 1.0 Acre Lot	\$964	0.26	\$8,621	\$9,585

The indoor impact fee was calculated based on an average household size of 3.51 per City planning values and using City demand data. The outdoor demand impact fee was based on an assessment of the average irrigated area for various size lots within the City with assumed conservation measures and the peak day demand per irrigated area. Note that the City’s conservation goal has been applied to both indoor and outdoor demands. It will be important for the City to continue to encourage conservation in its development ordinances so that conservation targets are achieved. For larger lots, it may also be prudent to survey the percent of irrigated acreage planned so that the impact fees can be adjusted for larger percentages of irrigated area if needed. Otherwise, the proposed impact fees will not adequately assess the impact of development. Table 8 shows how the recommended impact fee compares to the existing impact fee for various lot sizes.

**Table 8
Recommended Impact Fee vs Previous Impact Fee**

Lot Size	Proposed Water Impact / Water Right Fee	Previous Water Impact / Water Right Fee	Difference
<1/4 Acre Lot	\$5,274	\$4,690	\$584
.25 to .49 Acre Lot	\$6,932	\$6,132	\$800
.5 to .74 Acre Lot	\$8,259	\$7,286	\$973
.75 to .99 Acre Lot	\$8,590	\$7,574	\$1,016
>1 Acre Lot	\$9,585	\$8,840	\$745

*For larger lots or non-residential connections, separate calculations are needed as described later in this analysis.

In general, the cost per connection have gone up as a result of increases in construction costs and a significant increase in the facilities needed to meet future growth. For larger lots, impact fee costs could potentially go down somewhat as a result of reduced irrigation needs related to City water conservation goal targets. These conservation goals affect outdoor demands at a higher rate than indoor demands.

Calculation of Non-Standard Impact Fees

The Impact Fee Enactment should include a provision that allows for calculation of a fee for customers other than typical residential connections. Consistent with the level of service standards established in the Impact Fee Facilities Plan, the following formula may be used to calculate an impact fee for a non-standard user based on the calculated daily total water use for an average residential connection.

$$\text{Estimated Peak Day Demand} \times \text{Impact Fee per Peak Day Demand} = \text{Impact Fee}$$

Table 9 and 10 show the calculated fee for larger or non-residential connections within the City based on meter size and irrigable area. Table 9 converts the overall fee to different meter sizes based on American Water Works Association (AWWA) meter capacity ratios. These ratios reflect additional costs that the City would incur by servicing said connections. The AWWA ratio is based on the relative capacity increase of each meter.

Table 10 calculates the appropriate impact fee for landscape irrigation water based on irrigable area. Where non-residential connections are served by a single culinary meter, the impact fee should be calculated based on Table 9 alone. Where non-residential connections include both a culinary meter and an additional landscaping irrigation connection, the culinary meter will be calculated based on Table 9 with an additional impact fee for landscaping calculated based on Table 10.

**Table 9
Multi-Family / Non-Residential Impact Fee**

Size of Meter (in)	AWWA Capacity Ratios	Total Water Impact Fee
Peak Day Demand (\$/gpm)		\$5,972
¾ and smaller	1	\$5,274
1	1.67	\$8,808
1.5	3.33	\$17,562
2	5.33	\$28,110
3	11.67	\$61,548
4	20	\$105,480
6	41.67	\$219,768
8	60	\$316,440
10	96.67	\$509,838
12	143.33	\$755,922

**Table 10
Non-Residential Impact Fee (Landscape Only)**

Irrigation Impact Fee	Irrigable Area (SF)	Peak Day Demand (gpm)	Impact Fee (\$/1000 SF)
Irrigation	1000	0.13	\$776

1.4 ADDITIONAL CONSIDERATIONS 11-36a-304(2)

Manner of Financing 11-36a-304(2)(a-e)

As part of this Impact Fee Analysis, it is important to consider how each facility has been or will be paid for. Potential infrastructure funding includes a combination of different revenue sources.

User Charges. Because infrastructure must generally be built ahead of growth, there often arises situations in which projects must be funded ahead of expected impact fee revenues. In some cases, the solution to this issue will be bonding. In others, funds from existing user rate revenue will be loaned to the impact fee fund to complete initial construction of the project and will be reimbursed later as impact fees are received. Interfund loans should be considered in subsequent accounting of impact fee expenditures.

Special Assessments. Where special assessments exist, the impact fee calculation must take into account funds contributed. There are no remaining water infrastructure costs in some of the historic special assessment areas created for the City.

Pioneering Agreements. Where pioneering agreements exist, the impact fee calculation must take into account funds contributed. The City has a number of reimbursement agreements (similar to pioneering agreements) with developers. The agreements and assets associated with them have been incorporated as part of the analysis.

Bonds. Where City financial plans identify bonding will be required to finance impact fee eligible improvements, the portion of bond cost and interest expense attributable to future growth has been added to the calculation of the impact fee.

General Taxes. If taxes are used to pay for infrastructure, they should be accounted for in the impact fee calculation. Specifically, any contribution made by property owners through taxes should be credited toward their available capacity in the system. In this case, no taxes are proposed for the construction of infrastructure.

Federal and State Grants and Donations. Impact fees cannot reimburse costs funded or expected to be funded through federal grants and other funds that the City has received for capital improvements without an obligation to repay. Grants and donations are not currently contemplated in this analysis. If grants become available for constructing facilities, impact fees will need to be recalculated and an appropriate credit given.

Any existing infrastructure funded through past grants has been removed from the system cost.

1.5 DEDICATION OF SYSTEM IMPROVEMENTS 11-36a-304(2)(f)

Developer exactions are not the same as grants. If a developer constructs a system improvement or dedicates land for a system improvement identified in this IFFP, or dedicates a public facility that is recognized to reduce the need for a system improvement, the developer may be entitled to an appropriate credit against that particular developer's impact fee liability or a proportionate reimbursement.

If the value of the credit is less than the development's impact fee liability, the developer will owe the balance of the liability to the City. If the recognized value of the improvements/land dedicated is more than the development's impact fee liability, the City may be required to reimburse the difference to the developer.

It should be emphasized that the concept of impact fee credits pertains to system level improvements only. Developers will be responsible for the construction of project improvements (i.e. improvements not identified in the impact fee facilities plan) without credit against the impact fee.

1.6 EXTRAORDINARY COSTS 11-36a-304(2)(g)

The Impact Fees Act indicates the analysis should include consideration of any extraordinary costs of servicing newly developed properties. In cases where one area of potential growth may cost significantly more to service than other growth, a separate service area may be warranted. No areas with extraordinary costs have been identified as part of this analysis.

1.7 TIME-PRICE DIFFERENTIAL 11-36a-304(2)(h)

Utah Code allows consideration of time-price differential in order to create fairness for amounts paid at different times. To address time-price differential, this analysis includes construction inflation for future construction projects. Per the requirements of the Code, existing infrastructure cost is based on actual historical costs without adjustment.

1.8 IMPACT FEE CERTIFICATION 11-36a-306(2)

This IFA has been prepared in accordance with Utah Code Title 11, Chapter 36a (the “Impact Fees Act”), which prescribes the laws pertaining to the imposition of impact fees in Utah. The accuracy of this IFFP relies in part upon planning, engineering, and other source data, provided by the City and its designees.

In accordance with Utah Code Annotated, 11-36a-306(2), Bowen Collins & Associates, makes the following certification:

I certify that the attached impact fee analysis:

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

Andrew T. McKinnon, P.E.

APPENDIX A1
EXISTING ASSET INVENTORY

**Table A1
Existing Asset Inventory**

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
1		348 2004 Well Property Purchase	Land/Buildings	City	100%	2010	Production	\$125,037
2		352 2004 Land - 15582 S Arnold Hollow	Land/Buildings	City	100%	2010	Production	\$1,200,000
3		5 2003 13655 S 7020 W # Approx	Land/Buildings	City	100%	2010	Transmission	\$16,900
4		6 2003 13680 S 7000 W Approx	Land/Buildings	City	100%	2010	Transmission	\$8,450
5		7 2003 North Water Tank Land @ 14400 S (Rosecrest)	Land/Buildings	City	100%	2010	Storage	\$84,825
6		8 2003 Water Tank Land @ 14800 S 5600 (Rosecrest)	Land/Buildings	City	100%	2010	Storage	\$22,000
7		1484 Property Purchased for Pump	Land/Buildings	City	100%	2013	Pumping Capacity	\$440,577
8		Fort Herriman Land	Land/Buildings	City	100%	2014	Transmission	\$2,148
9		Fort Herriman Land	Land/Buildings	City	100%	2014	Transmission	\$56,779
10		Lookout Ridge Tank	Tank	City	100%		Storage	\$399,837
11		HP Tanks	Tank	City	100%		Storage	\$1,087,500
12		Land	Land/Buildings	City	100%	2014	Transmission	\$281,250
13		Tank Land (Zone 1E)	Land/Buildings	City	100%	2014	Storage	\$281,250
14		Water Tank (Rosecrest)	Land/Buildings	City	100%	2015	Storage	\$359,996
15	577	2005 Storage Building - Water Dept portion	Secondary Asset	City	100%	2005	Storage	\$58,400
16	1086	Fencing-Hamilton Well	Wells	City	100%	2008	Production	\$22,181
17	806	Collection Lines- Spring Development	Lines	City	100%	2005	Production	\$68,936
18	807	Landscape Imp- Hamilton Well	Wells	City	100%	2005	Production	\$62,589
19	808	Additional Line- Main Tank	Lines	City	100%	2006	Transmission	\$14,013
20	825	16" Flow Meter	Lines	City	100%	2007	Transmission	\$3,667
21	981	Pump- Grundfos Model CR32-5	Pump Station	City	0%	2007	Pumping Capacity	\$4,013
22	1414	Watson Marlow Pump Booster Stat	Pump Station	City	0%	2010	Pumping Capacity	\$5,250
23	1487	Anthem Holiday Subdivision Plat	Anthem Holiday	City	0%	2010	Transmission	\$6,000
24	1046	Hamilton Well	Wells	City	100%	2008	Production	\$103,384
25	1168	Culinary Water- Cove at Herriman Springs	Cove at Herriman Springs	City	100%	2008	Transmission	\$306,125
26	1169	Secondary Water- Cove at Herriman Springs	Cove at Herriman Springs	City	100%	2008	Transmission	\$113,160
27	1174	Culinary Water- Herriman Plaza	Herriman Plaza	City	100%	2008	Transmission	\$98,005
28	1178	Culinary Water- Indian Hollow Sub	Indian Hollow	City	100%	2008	Transmission	\$26,340
29	1179	Secondary Water- Indian Hollow	Indian Hollow	City	100%	2008	Transmission	\$25,700

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
30	1180	Irrigation Landscape- Indian Hollow	Indian Hollow	City	100%	2008	Transmission	\$36,000
31	1184	Culinary Water- LDS Church	LDS Church	City	0%	2008	Transmission	\$43,745
32	1188	Culinary Water- LDS Church Hamilton	LDS Church	City	0%	2008	Transmission	\$40,340
33	1192	Culinary Water- Mountain American	Mountain America	City	0%	2008	Transmission	\$11,800
34	1196	Culinary Water- Utah CentralCredit	Utah Central Credit Union	City	0%	2008	Transmission	\$3,750
35	1199	Culinary Water- Valley View Estate	Valley View Estate	City	100%	2008	Transmission	\$52,728
36	1200	Secondary Water- Valley View Estate	Valley View Estate	City	100%	2008	Transmission	\$42,000
37	1201	Culinary Water-Valley View Estates	Valley View Estate	City	100%	2008	Transmission	\$108,336
38	1202	Secondary Water- Valley View Estates	Valley View Estate	City	100%	2008	Transmission	\$83,820
39	1401	Mt Ogden Peak Extension	Mt. Ogden Peak	City	100%	2010	Transmission	\$21,900
40	1402	Ft Herriman Estates	Fort Herriman Estates	City	100%	2010	Transmission	\$31,535
41	1403	Ivie Farms	Ivie Farms	City	100%	2010	Transmission	\$151,210
42	1404	Walker Estates Ph 2 (No 5)	Walker Estates	City	100%	2010	Transmission	\$14,090
43	1405	Ft Herriman Estates	Fort Herriman Estates	City	100%	2010	Transmission	\$108,600
44	1406	Veranda Court	Veranda Court	City	100%	2010	Transmission	\$27,240
45	1407	Hamilton Farms Ph 3	Hamilton Farms	City	100%	2010	Transmission	\$233,150
46	1408	Hollister Place- Pool	Hollister Place	City	0%	2010	Transmission	\$28,740
47	1409	Lafayettes Estates	Lafayette Estates	City	100%	2010	Transmission	\$239,250
48	1410	Turnout	Lines	City	100%	2010	Transmission	\$31,674
49	845	Boulders at Rosecrest	Boulders at Rosecrest	City	100%	2006	Transmission	\$66,100
50	846	Cove at Herriman Springs Phase 2	Cove at Herriman Springs	City	0%	2006	Transmission	\$257,420
51	847	Cove at Herriman Springs Phase 3	Cove at Herriman Springs	City	100%	2006	Transmission	\$200,820
52	848	Cove at Herriman Springs Phase 4A	Cove at Herriman Springs	City	100%	2006	Transmission	\$69,910
53	849	Cove at Herriman Springs Phase 4B	Cove at Herriman Springs	City	100%	2006	Transmission	\$33,680

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
54	850	Cove at Herriman Springs Phase 4C	Cove at Herriman Springs	City	100%	2006	Transmission	\$50,700
55	851	Cove at Herriman Springs Phase 4D	Cove at Herriman Springs	City	100%	2006	Transmission	\$36,060
56	852	Hamilton Farms Phase 3	Hamilton Farms	City	100%	2007	Transmission	\$327,365
57	853	Hamilton Farms Phase 4A	Hamilton Farms	City	100%	2007	Transmission	\$139,480
58	854	Hamilton Farms Phase 4B	Hamilton Farms	City	100%	2007	Transmission	\$129,730
59	856	Legacy Ranch Plat C	Legacy Ranch	City	100%	2007	Transmission	\$97,585
60	857	Overlook Phase I	Overlook	City	100%	2006	Transmission	\$135,560
61	858	Overlook Phase II	Overlook	City	100%	2007	Transmission	\$40,371
62	859	Rose Canyon Professional Plaza	Rose Canyon Professional Plaza	City	100%	2010	Transmission	\$12,025
63	860	Rosecrest Plat R	Rosecrest	City	100%	2006	Transmission	\$446,665
64	861	Russell Lewis Sub. Phase 2	Russell Lewis Sub	City	100%	2006	Transmission	\$1,830
65	862	Cove at Herriman Springs Phase 2	Cove at Herriman Springs	City	100%	2006	Transmission	\$146,120
66	863	Cove at Herriman Springs Phase 3	Cove at Herriman Springs	City	100%	2006	Transmission	\$118,800
67	864	Hamilton Farms Phase 3	Hamilton Farms	City	100%	2007	Transmission	\$233,150
68	866	Overlook Phase I	Overlook	City	100%	2006	Transmission	\$74,300
69	867	Overlook Phase II	Overlook	City	100%	2007	Transmission	\$32,671
70	868	Rosecrest Plat R	Rosecrest	City	100%	2006	Transmission	\$412,885
71	955	Hamilton Farms Phase 3- Water	Hamilton Farms	City	100%	2007	Transmission	\$5,400
72	1419	11800 S Wtr Improvements	11800 S	City	100%	2010	Transmission	\$24,848
73	1431	Secondary Water Imp- Hansen Hills	Hansen Hills	City	100%	2010	Transmission	\$2,880
74	1432	Water Imp- Cove @ H.S. Ph6	Cove at Herriman Springs	City	100%	2010	Transmission	\$46,750
75	1433	Water Imp- Cove @ H.S. Ph5C	Cove at Herriman Springs	City	100%	2010	Transmission	\$50,560
76	1434	Irrigation Imp- Cove @ H.S. Ph 5C	Cove at Herriman Springs	City	100%	2010	Transmission	\$4,464
77	1435	Culinary Wtr Imp- Cove H.S. Ph	Cove at Herriman Springs	City	100%	2010	Transmission	\$93,400

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
78	1436	Culinary Wtr- Cove H.S.	Cove at Herriman Springs	City	0%	2010	Transmission	\$51,563
79	1437	Culinary Wtr Imp- Silver Bowles	Silver Bowles	City	100%	2010	Transmission	\$87,240
80	1438	Secondary Wtr Imp- Silver Bowles	Silver Bowles	City	100%	2010	Transmission	\$24,410
81	1439	Culinary Wtr Imp- Valley View Ph 3	Valley View Estate	City	100%	2011	Transmission	\$222,060
82	1440	Secondary Wtr Im-Valley View Ph 3	Valley View Estate	City	100%	2011	Transmission	\$155,760
83	1441	Irrigation Imp- Valley View Ph3	Valley View Estate	City	100%	2011	Transmission	\$96,102
84	1442	Culinary Wtr Imp Valley View	Valley View Estate	City	100%	2011	Transmission	\$225,390
85	1443	Secondary Wtr Imp- Valley View	Valley View Estate	City	100%	2011	Transmission	\$157,830
86	1444	Culinary Wtr Imp- Valley View	Valley View Estate	City	100%	2011	Transmission	\$156,768
87	1445	Secondary Wtr Imp- Valley View Ph 5	Valley View Estate	City	100%	2011	Transmission	\$103,980
88	1446	Irrigation Imp- Valley View Ph 5	Valley View Estate	City	100%	2011	Transmission	\$142,877
89	1232	Irrigation Landscapte- Cove @ Herriman	Cove at Herriman Springs	City	0%	2008	Transmission	\$1,148,274
90	1455	Black Hawk Es Ph 1	Black Hawk Estates	City	100%	2013	Transmission	\$316,069
91	1460	Deser Creek ES PH 1	Desert Creek Estates	City	100%	2013	Transmission	\$85,896
92	1461	Deser Creek ES PH 2	Desert Creek Estates	City	100%	2013	Transmission	\$40,326
93	1462	Farm Gares Apartments	Farms Gates Apt	City	100%	2013	Transmission	\$281,231
94	1463	Herriman Highlands	Herriman Highlands	City	100%	2013	Transmission	\$51,050
95	1464	HTC Plat B PH 1	Herriman Towne Center	City	100%	2013	Transmission	\$139,560
96	1465	Timbergate Apartments	Timbergate	City	100%	2013	Transmission	\$169,446
97	1469	5600 West	5600 W	City	100%	2013	Transmission	\$2,250,460
98	1470	Pump Station	Pump Station	City	100%	2013	Pumping Capacity	\$96,094
99	1472	East Herriman	East Herriman	City	100%	2013	Transmission	\$926,736
100	1473	Mountain View Corridor	Mountain View Corridor	City	100%	2013	Transmission	\$568,835
101	1474	Transmission Line	Lines	City	100%	2013	Transmission	\$174,982

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
102	1488	Bluffs at Herriman Phase 1	Bluffs at Herriman	City	100%	2013	Transmission	\$134,825
103	1489	Bluffs at Herriman Phase 2	Bluffs at Herriman	City	100%	2013	Transmission	\$79,908
104	1490	Cove at Herriman Springs Phase 5E	Cove at Herriman Springs	City	100%	2013	Transmission	\$87,197
105	1491	Desert Creek Estates Phase 3	Desert Creek Estates	City	100%	2013	Transmission	\$66,303
106	1492	Fort Herriman Cove Phase 2	Fort Herriman Cove	City	100%	2013	Transmission	\$29,673
107	1493	Fort Herriman Cove Phase 3	Herriman Towne Center	City	100%	2013	Transmission	\$82,078
108	1494	Herriman Town Center Marketplace	Herriman Towne Center	City	100%	2013	Transmission	\$18,430
109	1495	Herriman Town Center Plat A Lot	Herriman Towne Center	City	100%	2013	Transmission	\$244,138
110	1496	Herriman Town Center Plat B Lot 4	Herriman Towne Center	Developer	0%	2013	Transmission	\$124,780
111	1497	Oak Hollow- PUD Phase 1	Oak Hollow	Developer	0%	2013	Transmission	\$93,431
112	1498	Rosecrest Plat V Phase 1	Rosecrest	Developer	0%	2013	Transmission	\$311,440
113	1499	Rosecrest Plat V Phase 2	Rosecrest	Developer	0%	2013	Transmission	\$113,038
114	1500	Rosecrest Plat V Phase 3	Rosecrest	Developer	0%	2013	Transmission	\$227,885
115	1501	Rosecrest Plat X Phase 1	Rosecrest	Developer	0%	2013	Transmission	\$189,349
116	1502	Rosecrest Plat X Phase 2	Rosecrest	Developer	0%	2013	Transmission	\$189,349
117	1503	Sunset Pointe	Sunset Pointe	City	100%	2013	Transmission	\$54,054
118	1504	Terrameer PUD- Herriman Land	Terrameer	City	100%	2013	Transmission	\$287,829
119	1505	Western Creek Phase 2	Western Creek	Developer	0%	2013	Transmission	\$20,149
120	1506	Whispering Pines	Whispering Pines	Developer	0%	2013	Transmission	\$27,408
121	1507	Zone II Water Tank	Yukon Park	Developer	0%	2013	Transmission	\$51,444
122	1526	Beacon Hill Phase 1 (Lewis Harring)	Beacon Hill	Developer	0%	2013	Transmission	\$21,600
123	1527	Beacon Hill Phase 2 (Lewis Harring)	Beacon Hill	Developer	0%	2013	Transmission	\$10,500

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
124	1528	Herriman Town Center Plat E Phase	Herriman Towne Center	Developer	0%	2013	Transmission	\$186,294
125	1529	Herriman Town Center Plat E Phase	Herriman Towne Center	Developer	0%	2013	Transmission	\$78,157
126	1530	HT Marketplace Lot 1	Herriman Towne Center	Developer	0%	2013	Transmission	\$58,727
127	1531	Oaks at Rosecrest Revived	Oaks at Rosecrest	Developer	0%	2013	Transmission	\$172,986
128	1533	Western Creek Phase 1	Western Creek	Developer	0%	2013	Transmission	\$85,919
129	1542	Pump Station	Pump Station	Developer	0%	2013	Pumping Capacity	\$40,536
130	10	12" Water Lines (10,567 feet)	Lines	Developer	0%	2003	Transmission	\$264,200
131	1021	Water Lines- Legacy Ranch	Legacy Ranch	Developer	0%	2007	Transmission	\$126,964
132	1024	Water Lines- 16" The Cove @ Herriman	Cove at Herriman Springs	Developer	0%	2007	Transmission	\$180,950
133	1027	Jordan Credit Union	Jordan Credit Union	Developer	0%	2006	Transmission	\$8,580
134	1028	Jordan Credit Union	Jordan Credit Union	Developer	0%	2006	Transmission	\$18,480
135	11	16" Water lines (21,234 feet)	Lines	Developer	0%	2003	Transmission	\$509,600
136	12	18" Water lines (3,625 feet)	Lines	Developer	0%	2003	Transmission	\$108,800
137	1269	Water Storage Tank KCC (Kennecott)	Storage Tank	City / Olympia	98%	2009	Storage	\$8,257,626
138	13	20" Water lines (2,593 feet)	Lines	Developer	0%	2009	Transmission	\$129,600
139	1341	Culinary Wtr Imp- Barney Sub	Barney Sub	Developer	0%	2009	Transmission	\$44,530
140	1342	Secondary Wtr Imp- Barney Sub	Barney Sub	Developer	0%	2009	Transmission	\$33,060
141	1343	Culinary Wtr Imp- Cove @ H.S.	Cove at Herriman Springs	Developer	0%	2009	Transmission	\$1,198,440
142	1344	Culinary Wtr Imp- Cove @ H.S.	Cove at Herriman Springs	Developer	0%	2009	Transmission	\$33,680
143	1345	Culinary Wtr Imp- Indian Hollow	Indian Hollow	Developer	0%	2009	Transmission	\$26,340

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
144	1346	Secondary Wtr Imp- Indian Hollow	Indian Hollow	Developer	0%	2009	Transmission	\$25,700
145	1347	Culinary Wtr Imp- Jordan C.U.	Jordan Credit Union	Developer	0%	2009	Transmission	\$8,580
146	1348	Secondary Wtr Imp- Jordan C.U.	Jordan Credit Union	Developer	0%	2009	Transmission	\$18,480
147	1349	Culinary Wtr Imp- Rosecrest Plat	Rosecrest	Developer	0%	2009	Transmission	\$320,760
148	1350	Secondary Wtr Imp- Rosecrest Plat	Rosecrest	Developer	0%	2009	Transmission	\$672,570
149	1353	Culinary Wtr Imp- Rosecrest Plat	Rosecrest	Developer	0%	2009	Transmission	\$281,965
150	1354	Secondary Wtr Imp- Rosecrest Plat	Rosecrest	Developer	0%	2009	Transmission	\$269,575
151	1356	Culinary Wtr Imp- Shoshone Hills	Shoshone Hills	Developer	0%	2009	Transmission	\$150,650
152	1357	Secondary Wtr Imp- Shoshone Hills	Shoshone Hills	Developer	0%	2009	Transmission	\$123,660
153	1358	Culinary Wtr Imp- Umbria Estates	Umbria Estates	Developer	0%	2009	Transmission	\$69,470
154	1359	Secondary Wtr Imp- Umbria Estates	Umbria Estates	Developer	0%	2009	Transmission	\$54,800
155	1360	Culinary Wtr Imp- Sunset Meadow	Sunset Meadow	Developer	0%	2009	Transmission	\$63,780
156	1361	Secondary Wtr Imp- Sunset Meadow	Sunset Meadow	Developer	0%	2009	Transmission	\$57,950
157	1379	Mt Ogden Peak Extension	Mt. Ogden Peak	Developer	0%	2010	Transmission	\$51,285
158	1380	Rosecrest Plat M2- Village Ph 3	Rosecrest	Developer	0%	2010	Transmission	\$432,360
159	1381	Helsten, Palmer (2 lots)	Helsten, Palmer	Developer	0%	2010	Transmission	\$5,000
160	1382	Bowles No.6 Amended	Silver Bowles	Developer	0%	2010	Transmission	\$6,100
161	1383	Ft. Herriman Estates	Fort Herriman Estates	Developer	0%	2010	Transmission	\$45,590
162	1384	Church- 14550s Junipercrest	LDS Church	Developer	0%	2010	Transmission	\$33,785
163	1385	Church- 12737 S 6000 W	LDS Church	Developer	0%	2010	Transmission	\$51,450
164	1386	Ivie Farms	Ivie Farms	Developer	0%	2010	Transmission	\$324,470
165	1387	Walker Est Ph 2 (No5)	Walker Estates	Developer	0%	2010	Transmission	\$3,660

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
166	1388	Ft Herriman Cove Ph 1	Fort Herriman Estates	Developer	0%	2010	Transmission	\$126,300
167	1389	Church- 14300 S 6400 W	LDS Church	Developer	0%	2010	Transmission	\$13,120
168	1390	Church 7079 W Rose Canyon	LDS Church	Developer	0%	2010	Transmission	\$18,550
169	1391	Veranda Court	Veranda Court	Developer	0%	2010	Transmission	\$31,710
170	1392	Hamilton Farms Ph 3	Hamilton Farms	Developer	0%	2010	Transmission	\$327,365
171	1393	Hamilton Farms PUD Ph4A	Hamilton Farms	Developer	0%	2010	Transmission	\$139,480
172	1394	Hamilton Farms PUD Ph 4B	Hamilton Farms	Developer	0%	2010	Transmission	\$129,730
173	1395	Hamilton Farms PUD Ph 4C	Hamilton Farms	Developer	0%	2010	Transmission	\$115,825
174	1396	Cove @ Herriman Springs Ph 5A	Cove at Herriman Springs	Developer	0%	2010	Transmission	\$42,916
175	1397	Cove @ Herriman Springs Ph 5B	Cove at Herriman Springs	Developer	0%	2010	Transmission	\$69,800
176	1398	Hollister Place- Pool	Hollister Place	Developer	0%	2010	Transmission	\$56,515
177	1399	Lafayettes Estates	Lafayette Estates	Developer	0%	2010	Transmission	\$274,290
178	14	4" Water Lines (4,542 feet)	Lines	Developer	0%	2003	Transmission	\$40,900
179	1400	Lookout Ridge Estates	Lookout Ridge Estates	Developer	0%	2010	Transmission	\$1,723,452
180	1449	Main Street Water Line	Lines	Developer	0%	2010	Transmission	\$2,198,515
181	1450	Herriman Parkway Water Improvements	Herriman Parkway	Developer	0%	2010	Transmission	\$850,000
182	1451	Rosecrest Water Line	Rosecrest	Developer	0%	2010	Transmission	\$109,612
183	1452	6400 W Water Line	6400 W	Developer	0%	2010	Transmission	\$83,957
184	1453	Desert Creek Water Line	Desert Creek Estates	Developer	0%	2010	Transmission	\$17,332
185	15	6" Water Lines (8,610 feet)	Lines	Developer	0%	2003	Transmission	\$1,119,000
186	16	8" Water Lines (129,894 feet)	Lines	Developer	0%	2003	Transmission	\$2,338,100

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
187	173	Herriman Plains Well #1	Wells	Developer	0%	2004	Production	\$6,933
188	181	4" Water Line (8,790.94 LF)	Lines	Developer	0%	2003	Transmission	\$79,118
189	182	6" Water Line (32,054.30 LF)	Lines	Developer	0%	2003	Transmission	\$416,706
190	183	8" Water Lines (71,806.92 LF)	Lines	Developer	0%	2003	Transmission	\$1,292,525
191	184	10" Water Lines (10,023.48 LF)	Lines	Developer	0%	2003	Transmission	\$210,493
192	185	12" Water Lines (1,126.14 LF)	Lines	Developer	0%	2003	Transmission	\$28,153
193	186	16" Water Lines (17,833.94 LF)	Lines	Developer	0%	2003	Transmission	\$428,015
194	187	20" & 24" Water Lines	Lines	Developer	0%	2003	Transmission	\$248,247
195	3	Line Repair	Lines	Developer	0%	2003	Transmission	\$83,281
196	306	Hamilton Well Line	Wells	Developer	0%	2004	Transmission	\$175,320
197	354	Tank and Infrastructure	Storage Tank	Developer	0%	2004	Transmission	\$588,810
198	355	Water Lines- JWCD Infrastructure	JWCD	Developer	0%	2004	Transmission	\$440,010
199	4	Water Conveyance	Lines	Developer	0%	2003	Transmission	\$53,875
200	540	3 Million Gallon Tank Zone 4 (Hardlick)	Storage Tank	Developer	0%	2004	Storage	\$1,021,317
201	541	1 Million Gallon Tank Zone 2	Storage Tank	Developer	0%	2010	Storage	\$399,837
202	542	20" Transfer Line	Lines	Developer	0%	2004	Transmission	\$395,632
203	543	Booster Pump Station (Zone 5?)	Pump Station	Developer	0%	2004	Pumping Capacity	\$664,557
204	544	Well Drilling Wide Hollow Well	Wells	Developer	0%	2004	Production	\$308,547
205	545	Well Line Hamilton Well	Wells	Developer	0%	2004	Transmission	\$220,231
206	546	Well House Hamilton Well	Wells	Developer	0%	2004	Production	\$261,195
207	547	Engineering- water System Organization	Transmission	Developer	0%	2004	Transmission	\$994,039
208	548	Rosecrest H1 Water Lines	Rosecrest	Developer	0%	2004	Transmission	\$70,538

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
209	549	Rosecrest H2 Water Lines	Rosecrest	Developer	0%	2004	Transmission	\$115,418
210	550	Tuscany Water Line	Tuscany	Developer	0%	2004	Transmission	\$150,640
211	551	Meter Vaults	Equipment	Developer	0%	2004	Transmission	\$125,913
212	552	5600 W Disconnects	5600 W	Developer	0%	2004	Transmission	\$13,092
213	553	Aerographics for Water System	Equipment	Developer	0%	2004	Transmission	\$16,703
214	555	Tarps for Water Line Construction	Equipment	Developer	0%	2004	Transmission	\$243
215	556	Rockwall (Deluca)	Rockwall	Developer	0%	2004	Transmission	\$26,618
216	557	5600 W Transfer Line Costs	5600 W	Developer	0%	2004	Transmission	\$72,081
217	558	PRV Station Costs	PRV Station	Developer	0%	2004	Transmission	\$38,315
218	559	5600 W Transfer Line Costs (J&B)	5600 W	City	100%	2004	Transmission	\$16,726
219	560	20" Dip Overflow Costs	Storage Tank	City	100%	2004	Production	\$9,375
220	561	20" Dip Fittings	Storage Tank	City	100%	2004	Production	\$1,373
221	562	5600 W Transfer Line Costs	5600 W	City	100%	2004	Transmission	\$75,748
222	563	Well Development Costs	Wells	Developer	0%	2004	Production	\$11,933
223	564	PRV Station Costs	PRV Station	Developer	0%	2004	Transmission	\$38,236
224	565	New Main Line	Lines	Developer	0%	2004	Transmission	\$129,796
225	566	Line Replacement	Lines	Developer	0%	2004	Transmission	\$34,530
226	567	Booster Pump Improvements (Zone 4?)	Pump Station	City	100%	2004	Pumping Capacity	\$31,605
227	568	HP Distribution System Upgrades	Lines	Developer	0%	2005	Transmission	\$35,309
228	573	Chlorination Project	Wells	City	100%	2004	Production	\$90,637
229	574	Well Exploration	Wells	Developer	0%	2005	Production	\$409,993
230	575	Spring Development	Wells	City	100%	2005	Production	\$10,498
231	576	System Interconnect	Lines	Developer	0%	2005	Transmission	\$8,155
232	578	Booster Pump Station Improvement (Zone 4?)	Pump Station	Developer	0%	2004	Pumping Capacity	\$22,405

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
233	580	Water Distribution System- Plat N	Lines	Developer	0%	2004	Transmission	\$55,943
234	581	Legacy Ranch 16" Shared Costs	Legacy Ranch	Developer	0%	2005	Transmission	\$214,415
235	582	Water Improvements- Horizon Ridge	Horizon Ridge	Developer	0%	2005	Transmission	\$88,710
236	583	Water Improvements- Rosecrest	Rosecrest	Developer	0%	2004	Transmission	\$432,610
237	584	Water Improvements- Rosecrest	Rosecrest	Developer	0%	2004	Transmission	\$241,418
238	585	Water Improvements- Legacy Ranch	Legacy Ranch	Developer	0%	2004	Transmission	\$98,275
239	586	Water Improvements- Legacy Ranch	Legacy Ranch	Developer	0%	2004	Transmission	\$85,374
240	587	Water Improvements- Liberty Villa	Liberty Villa	Developer	0%	2005	Transmission	\$100,373
241	588	Water Improvements- Rosecrest Plaza	Rosecrest	Developer	0%	2004	Transmission	\$245,232
242	589	Water Improvements- Rosecrest Plaza	Rosecrest	Developer	0%	2004	Transmission	\$366,320
243	590	Water Improvements- Hamilton Farm	Hamilton Farms	Developer	0%	2004	Transmission	\$180,293
244	591	Water Improvements- Parkside	Parkside	Developer	0%	2004	Transmission	\$31,165
245	592	Water Improvements- Tuscany Estates	Tuscany	Developer	0%	2004	Transmission	\$92,512
246	593	3 MG Tank Transmission Costs Zone 4 (Hardlick)	Storage Tank	City	100%	2004	Storage	\$216,092
247	594	3 MG Tank and Transmission Zone 4 (Hardlick)	Storage Tank	City	100%	2004	Storage	\$216,092
248	644	Herriman Ward Building- 13381 S	LDS Church	Developer	0%	2005	Transmission	\$12,000
249	647	Herriman Heights	Herriman Heights	Developer	0%	2005	Transmission	\$229,605
250	650	Heritage Place Phase 2	Heritage Place	Developer	0%	2005	Transmission	\$81,335
251	652	Eastman Subdivision	Eastman	Developer	0%	2005	Transmission	\$3,660
252	655	Rosecrest Plat P	Rosecrest	Developer	0%	2005	Transmission	\$813,030
253	656	2nd Improvements- Rosecrest Plat	Rosecrest	Developer	0%	2005	Transmission	\$474,400
254	659	Jiffy Lube 13255 S	Jiffy Lube	Developer	0%	2005	Transmission	\$3,750

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
255	661	Pioneer Subdivision	Pioneer	Developer	0%	2005	Transmission	\$3,660
256	664	Rosecrest Plat Q	Rosecrest	Developer	0%	2005	Transmission	\$600,600
257	665	2nd Improvements- Rosecrest Plat	Rosecrest	Developer	0%	2005	Transmission	\$427,656
258	668	Utah Central Credit Union 13218 S	Utah Central Credit Union	Developer	0%	2005	Transmission	\$3,750
259	671	Legacy Ranch Plat F	Legacy Ranch	Developer	0%	2005	Transmission	\$26,517
260	674	Heritage Place Phase 3	Heritage Place	Developer	0%	2006	Transmission	\$44,090
261	677	Cove at Herriman Springs Phase 2	Cove at Herriman Springs	City	100%	2006	Transmission	\$257,420
262	678	2 Improv- Cove at Herriman Springs	Cove at Herriman Springs	City	100%	2006	Transmission	\$146,120
263	681	Cove at Herriman Springs Phase 3	Cove at Herriman Springs	City	100%	2006	Transmission	\$200,820
264	682	2nd Improv- Cove at Herriman Springs	Cove at Herriman Springs	City	100%	2006	Transmission	\$118,800
265	685	Legacy Ranch Boulevard	Legacy Ranch	Developer	0%	2006	Transmission	\$67,476
266	688	Legacy Ranch Plat C	Legacy Ranch	Developer	0%	2006	Transmission	\$97,585
267	690	Legacy Ranch Plat E	Legacy Ranch	Developer	0%	2006	Transmission	\$37,420
268	692	Towns at Legacy Ranch 9	Legacy Ranch	Developer	0%	2006	Transmission	\$6,998
269	694	Towns at Legacy Ranch 8	Legacy Ranch	Developer	0%	2006	Transmission	\$3,750
270	697	Towns at Legacy Ranch 7	Legacy Ranch	City	100%	2006	Transmission	\$8,850
271	699	Towns at Legacy Ranch 6	Legacy Ranch	Developer	0%	2006	Transmission	\$11,653
272	701	Towns at Legacy Ranch 5	Legacy Ranch	City	100%	2006	Transmission	\$16,260
273	703	Towns at Legacy Ranch 4	Legacy Ranch	City	100%	2006	Transmission	\$14,380
274	708	Towns at Legacy Ranch 12	Legacy Ranch	City	100%	2006	Transmission	\$6,900
275	711	Towns at Legacy Ranch 11	Legacy Ranch	Developer	0%	2006	Transmission	\$9,485
276	713	Towns at Legacy Ranch 10	Legacy Ranch	Developer	0%	2006	Transmission	\$7,810

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
277	716	Towns at Legacy Ranch 1	Legacy Ranch	City	100%	2006	Transmission	\$45,800
278	719	Checker 13225 S 5600 W	Checker	City	0%	2006	Transmission	\$2,500
279	722	Maverick 464 W 12600 S	Maverick	City	0%	2006	Transmission	\$3,750
280	725	Horizon Ridge	Horizon Ridge	City	0%	2006	Transmission	\$88,710
281	727	Rodeo Acres	Rodeo Acres	City	0%	2006	Transmission	\$20,688
282	767	Fluoridation Project	Treatment	City	100%	2006	Production	\$75,454
283	768	Scada Security & Monitoring System	Lines	City	100%	2006	Production	\$41,988
284	809	Plat N and K Improvements	Lines	City	100%	2005	Transmission	\$118,097
285	9	10" Water lines (20,239 feet)	Lines	City	100%	2003	Transmission	\$426,900
286		Bluffs Secondary Water	Bluffs at Herriman	City	100%	2014	Transmission	\$54,168
287		Bluffs Water	Bluffs at Herriman	City	100%	2014	Transmission	\$134,825
288		Desert Creek Secondary Water	Desert Creek Estates	City	100%	2014	Transmission	\$38,678
289		Desert Creek Water	Desert Creek Estates	City	100%	2014	Transmission	\$66,303
290		Fort Herriman Secondary Water	Fort Herriman Estates	City	100%	2014	Transmission	\$22,934
291		Fort Herriman Secondary Water	Fort Herriman Estates	City	100%	2014	Transmission	\$57,076
292		Fort Herriman Water	Fort Herriman Estates	City	100%	2014	Transmission	\$29,673
293		Fort Herriman Water	Fort Herriman Estates	City	100%	2014	Transmission	\$82,078
294		Herriman Towne Center Secondary Water	Herriman Towne Center	City	100%	2014	Transmission	\$65,841
295		Herriman Towne Center Water	Herriman Towne Center	City	0%	2014	Transmission	\$54,743
296		Herriman Towne Center Water	Herriman Towne Center	City	0%	2014	Transmission	\$124,780
297		Herriman Towne Center Water	Herriman Towne Center	City	0%	2014	Transmission	\$142,531
298		HTC Transmission Line	Herriman Towne Center	City	0%	2014	Transmission	\$258,053
299		HTC Well	Wells	City	100%	2014	Production	\$980,836
300		HTC Well (-)	Wells	City	100%	2014	Production	-\$980,836
301		Justin Dansie Water	Justin Dansie	City	0%	2014	Transmission	\$2,400
302		Rosecrest Secondary Water	Rosecrest	City	100%	2014	Transmission	\$146,941
303		Rosecrest Secondary Water	Rosecrest	City	100%	2014	Transmission	\$146,941
304		Rosecrest Secondary Water Line	Rosecrest	City	100%	2014	Transmission	\$604,717
305		Rosecrest Water	Rosecrest	City	100%	2014	Transmission	\$189,349

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
306		Rosecrest Water	Rosecrest	City	100%	2014	Transmission	\$189,349
307		Solerno Water Line	Solerno	City	100%	2014	Transmission	\$178,152
308		Western Creek Secondary water	Western Creek	City	100%	2014	Transmission	\$14,192
309		Western Creek water	Western Creek	City	100%	2014	Transmission	\$20,149
310		Whispering Pines Secondary Water	Whispering Pines	City	100%	2014	Transmission	\$23,443
311		Whispering Pines Water	Whispering Pines	City	100%	2014	Transmission	\$27,408
312		6600 W Water Line		Developer	0%		Transmission	\$299,959
313		Bluffs @ Herriman Phase 2		Developer	0%		Transmission	\$79,908
314		Cove at Herriman Springs Phase 5E		Developer	0%		Transmission	\$87,197
315		Cove at Herriman Springs Phase 5F		Developer	0%		Transmission	\$48,312
316		Cove at Herriman Springs Phase 5G		Developer	0%		Transmission	\$47,220
317		Herriman Towne Center Plat a Lot 5 Townhomes		Developer	0%		Transmission	\$244,138
318		Herriman Towne Center Plat H Phase 2		Developer	0%		Transmission	\$383,782
319		Herriman Towne Center Plat H Phase I		Developer	0%		Transmission	\$27,829
320		HTC Well (Stillman)		City	100%		Production	\$2,168,895
321		Rosecrest Plat V Phase 2		Developer	0%		Transmission	\$113,038
322		Rosecrest Plat X Phase 3		Developer	0%		Transmission	\$132,319
323		Sunset Pointe Phase 2		Developer	0%		Transmission	\$50,402
324		Sunset Pointe Phase I		Developer	0%		Transmission	\$54,054
325		Terrameer Phase 2		Developer	0%		Transmission	\$252,553
326		Terrameer Phase I		Developer	0%		Transmission	\$287,829
327		Thompson Place		Developer	0%		Transmission	\$22,678
328		Yukon Park Ave		Developer	0%		Transmission	\$51,444
329		11800 S 6000 West Water Line		City	100%		Transmission	\$908,310

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
330		4000 W Pump Station		City	100%		Pumping Capacity	\$4,938,130
331		HTC PLAT E PHASE 3 WATER		Developer	0%		Transmission	\$182,796
332		HTC PLAT H PHASE 3 WATER		Developer	0%		Transmission	\$205,298
333		JENSEN PLACE PHASE I WATER		Developer	0%		Transmission	\$47,126
334		MAJESTIC OAKS WATER		Developer	0%		Transmission	\$66,199
335		MOUNTAIN HEIGHTS PHASE 2 WATER		Developer	0%		Transmission	\$124,038
336		ROSECREST MEADOWS PHASE 1 & 2 WATER		Developer	0%		Transmission	\$1,132,647
337		ROSECREST PHASE I WATER		Developer	0%		Transmission	\$45,162
338		ROSECREST PLAT W WATER		Developer	0%		Transmission	\$184,131
339		ROSECREST TOWNHOMES PHASE I WATER		Developer	0%		Transmission	\$390,939
340		SHADOW RUN PHASE 1 WATER		Developer	0%		Transmission	\$195,480
341		SILVER BOWL ESTATES PHASE 2 WATER		Developer	0%		Transmission	\$19,283
342		SILVER BOWL ESTATES PHASE 3 WATER		Developer	0%		Transmission	\$18,280
343		WINBURN ESTATES		Developer	0%		Transmission	\$52,302
344		YOSEMITE PARK WATER		Developer	0%		Transmission	\$276,357
345		Zone II Water Tank		City	100%		Storage	\$2,761,274
346	1456	Black Hawk Es Ph 1	Black Hawk Estates	City	100%	2013	Transmission	\$250,605
347	1457	Desert Creek ES PH 1	Desert Creek Estates	City	100%	2013	Transmission	\$75,270
348	1457	Desert Creek ES PH 2	Desert Creek Estates	City	100%	2013	Transmission	\$28,530
349	1459	Herriman Highlands	Herriman Highlands	Developer	0%	2013	Transmission	\$70,720
350	1471	Secondary Water	Lines	Developer	0%	2013	Transmission	\$1,144,146
351	1508	Bluffs at Herriman Phase 1	Bluffs at Herriman	City	0%	2013	Transmission	\$54,168

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
352	1509	Bluffs at Herriman Phase 2	Bluffs at Herriman	City	0%	2013	Transmission	\$70,908
353	1510	Desert Creek Estates Phase 3	Desert Creek Estates	City	100%	2013	Transmission	\$38,678
354	1511	Fort Herriman Cove Phase 1	Fort Herriman Cove	City	100%	2013	Transmission	\$22,934
355	1512	Fort Herriman Cove Phase 3	Fort Herriman Cove	City	100%	2013	Transmission	\$57,076
356	1513	Herriman Towne Center Marketplace	Zone 2	Developer	0%	2013	Transmission	\$4,140
357	1514	Herriman Towne Center Plat A Lot	Zone 2	Developer	0%	2013	Transmission	\$13,837
358	1515	Oak Hollow- PUD Phase 1	Oak Hollow	City	0%	2013	Transmission	\$81,088
359	1516	Rosecrest Plat V Phase 1	Rosecrest	City	0%	2013	Transmission	\$208,171
360	1517	Rosecrest Plat V Phase 2	Rosecrest	Developer	0%	2013	Transmission	\$88,296
361	1518	Rosecrest Plat V Phase 3	Rosecrest	Developer	0%	2013	Transmission	\$147,040
362	1519	Rosecrest Plat X Phase 1	Rosecrest	Developer	0%	2013	Transmission	\$146,941
363	1520	Rosecrest Plat X Phase 2	Rosecrest	Developer	0%	2013	Transmission	\$146,941
364	1521	Sunset Pointe	Sunset Pointe	Developer	0%	2013	Transmission	\$31,830
365	1522	Terrameer PUD- Herriman Land	Terrameer	City	100%	2013	Transmission	\$104,803
366	1523	Wester Creek Phase 2	Western Creek	City	100%	2013	Transmission	\$14,192
367	1524	Whispering Pines	Whispering Pines	Developer	0%	2013	Transmission	\$23,443
368	1525	Yukon Park Ave Dedication Plat	Yukon Park	City	100%	2013	Transmission	\$13,557
369	1534	Beacon Hill Phase 1 (Lewis Herring)	Beacon Hill	Developer	0%	2013	Transmission	\$19,160
370	1535	Beacon Hill Phase 2 (Lewis Herring)	Beacon Hill	City	100%	2013	Transmission	\$9,400
371	1536	Herriman Towne Center Plat E	Zone 2	Developer	0%	2013	Transmission	\$21,088
372	1537	Herriman Towne Center Plat E	Zone 2	Developer	0%	2013	Transmission	\$1,140
373	1538	HTC Marketplace Lot 1	Zone 2	Developer	0%	2013	Transmission	\$15,191
374	1539	Oaks at Rosecrest Revived	Rosecrest	Developer	0%	2013	Transmission	\$140,456
375	1541	Wester Creek Phase 1	Western Creek	City	100%	2013	Transmission	\$55,174
376		5600 W / Tuscany Secondary		Developer	0%		Transmission	\$55,425

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
377		Bluffs @ Herriman Phase 2		Developer	0%		Transmission	\$70,908
378		Herriman Towne Center Plat A Lot 5 Townhomes		Developer	0%		Transmission	\$13,837
379		Herriman Towne Center Plat H Phase 2		Developer	0%		Transmission	\$55,343
380		Rosecrest Plat V Phase 2		Developer	0%		Transmission	\$88,296
381		Rosecrest Plat X Phase 3		Developer	0%		Transmission	\$81,506
382		Sunset Pointe Phase 2		Developer	0%		Transmission	\$27,032
383		Sunset Pointe Phase I		Developer	0%		Transmission	\$31,830
384		Terrameer Phase 2		Developer	0%		Transmission	\$45,191
385		Terrameer Phase I		Developer	0%		Transmission	\$104,803
386		Thompson Place		Developer	0%		Transmission	\$17,674
387		Yukon Park Ave		Developer	0%		Transmission	\$13,557
388		HTC PLAT H PHASE 3 SECONDARY		Developer	0%		Transmission	\$23,880
389		JENSEN PLACE PHASE I SECONDARY		Developer	0%		Transmission	\$35,935
390		MAJESTIC OAKS SECONDARY		Developer	0%		Transmission	\$52,382
391		MOUNTAIN HEIGHTS PHASE 2 SECONDARY		Developer	0%		Transmission	\$19,584
392		ROSECREST M3 PHASE 1 SECONDARY		Developer	0%		Transmission	\$22,080
393		ROSECREST MEADOWS PHASE 1 & 2 SECONDARY		Developer	0%		Transmission	\$72,590
394		ROSECREST PLAT W SECONDARY		Developer	0%		Transmission	\$7,696
395		SILVER BOWL ESTATES PHASE 2 SECONDARY		Developer	0%		Transmission	\$13,887
396		SILVER BOWL ESTATES PHASE 3 SECONDARY		Developer	0%		Transmission	\$12,536
397		WINBURN ESTATES SECONDARY		Developer	0%		Transmission	\$35,514
398		1033 2006 Spin Doctor		City	0%		Equipment	\$40,403
399		1034 2006 RD Locator Kit		City	0%		Equipment	\$3,850

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
400		1035 2007 365 KW Generator		City	0%		Equipment	\$80,750
401		1103 2008 125 KVA Generator		City	0%		Equipment	\$48,620
402		1222 2008 ARP-1717AP 304K Computer		City	0%		Equipment	\$5,090
403		1362 2008 Fuel Tank and Trailer		City	0%		Equipment	\$5,936
404		1363 2009 Working Trailer		City	0%		Equipment	\$9,750
405		1376 2009 Cat Vibro Plate		City	0%		Equipment	\$8,000
406		1377 2009 Shelving Units		City	0%		Equipment	\$1,200
407		1378 2009 4 Gas Detectors		City	0%		Equipment	\$1,750
408		2 2003 City Hall Computer		City	0%		Equipment	\$1,616
409		316 2003 Tri-Pod with Winch		City	0%		Equipment	\$1,475
410		323 2003 EZ Drive System w/Discs		City	0%		Equipment	\$27,000
411		554 2004 Line Locater Equipment		City	0%		Equipment	\$2,853
412		569 2005 Gems Water System Software		City	0%		Equipment	\$13,130
413		570 2005 Generator - Homeland Security		City	0%		Equipment	\$34,750
414		571 2005 SCADA Software and Implementation		City	0%		Equipment	\$58,003
415		572 2004 File Cabinets, 3		City	0%		Equipment	\$1,157
416		753 2005 TT TEch 3" Grudomat Piercing		City	0%		Equipment	\$4,600
417		754 2005 MBW - R440 140lb Rammer with 3		City	0%		Equipment	\$2,695
418		755 2005 Sullair MPB-60LB Breaker		City	0%		Equipment	\$1,015
419		756 2005 Compressor		City	0%		Equipment	\$11,240
420		792 2005 Line Locator		City	0%		Equipment	\$3,074
421		810 2007 RD 4000 Locator Kit		City	0%		Equipment	\$3,850
422		812 2006 Hydro Static Pump		City	0%		Equipment	\$1,872
423		819 2007 Pump		City	0%		Equipment	\$2,080
424		822 2007 Pump Motor		City	0%		Equipment	\$7,766
425		869 2007 Booster Pump Station		City	0%		Equipment	\$7,537
426		1420 2011 2-way Radios		City	0%		Equipment	\$27,330
427		1421 2011 Citiworks Software		City	0%		Equipment	\$35,000
428		1422 2011 New Radio Meter Reader		City	0%		Equipment	\$7,000
429		1423 2010 4 Gas Detectors		City	0%		Equipment	\$3,324
430		1425 2010 Part of track wagon for road repairs		City	0%		Equipment	\$9,625
431		1427 2011 Ultrasound equipment for pump rep		City	0%		Equipment	\$4,500
432		1098 2008 3M Dynatel Ground Fault Locator		City	0%		Equipment	\$3,400
433		1223 2007 Booster Pump Station Scada Pump		City	0%		Equipment	\$2,860
434		1412 2010 CL2 Analyzers for Wells 1 & 3		City	0%		Equipment	\$13,110

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
435		1413 2010 Fluoride Analyzers for Wells 1 & 3		City	0%		Equipment	\$15,690
436		1426 2010 Part of roller for road repairs		City	0%		Equipment	\$12,375
437		1428 2011 Bridge Cran/Hoist		City	0%		Equipment	\$9,699
438		1429 2011 2 Trench Boxes		City	0%		Equipment	\$20,537
439		1430 2010 Kennecott Booster Pump Station		City	0%		Pumping Capacity	\$46,099
440		1447 2011 Installation of CL2/Fluoride Analyzer		City	0%		Equipment	\$5,600
441		1083 2008 Fire Resistant Storage Cabinet		City	0%		Equipment	\$1,010
442		1267 2008 Booster Pump Station		City	0%		Pumping Capacity	\$9,373
443		1268 2008 North 3 MG Tank (Hardlick)		City	0%		Storage	\$4,053
444		1424 2011 2 Chlorinators		City	0%		Equipment	\$31,770
445		1211 2008 Ford F 150-055 (#173)		City	0%		Equipment	\$27,212
446		1212 2007 Ford F 150-056 (#174)		City	0%		Equipment	\$27,037
447		1218 2007 2008 Ford F 150 Supercrew (#178)		City	0%		Equipment	\$33,436
448		1369 2010 Ford F150 #182		City	0%		Equipment	\$26,670
449		1370 2010 F350 Pickup #183		City	0%		Equipment	\$35,447
450		383 2005 Ford F350 #134		City	0%		Equipment	\$44,638
451		484 2004 Ford F550 Supercab #117 Streets		City	0%		Equipment	\$53,152
452		1466 2011 Ford F150		City	0%		Equipment	\$24,248
453		1486 2013 F-150 Pickup		City	0%		Equipment	\$25,332
454		Truck		City	0%		Equipment	\$210,805
455		2 Ford F150 Pickups		City	0%		Equipment	\$52,084
456		Hand Held Meter Reader		City	0%		Equipment	\$9,930
457		Ford F350 Pickup		City	0%		Equipment	\$35,744
458		1100 2007 Welby Jacobs Water Shares - 3 Shares		City	100%		Canal Shares	\$6,000
459		1101 2007 Welby Jacob Water Shares - 2 Shares		City	100%		Canal Shares	\$4,000
460		1102 2008 50 Shares Welby Jacob-Daro Hamilton		City	100%		Canal Shares	\$100,000
461		1104 2007 Water Rights 10-Shares Welby Jacob		City	100%		Canal Shares	\$20,000
462		1105 2007 Water Rights 5-Shares Welby Jacob		City	100%		Canal Shares	\$10,000
463		1219 2007 Water Rights - Cove @ Herriman Springs		City	100%		Water Rights	\$73,818
464		1220 2007 Water Rights - Cove @ Herriman Springs		City	100%		Water Rights	\$49,212

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
465		1364 2008 Water Rights		City	100%		Water Rights	\$413,500
466		1365 2009 Water Rights		City	100%		Water Rights	\$477,400
467		1366 2009 Water Rights		City	100%		Water Rights	\$60,596
468		1367 2009 Water Rights		City	100%		Water Rights	\$392,000
469		1368 2009 50 Shares Welby Jacobs/Daro Hamilton		City	100%		Canal Shares	\$103,000
470		1371 2009 1 2/3 Sh Butterfield Creek		City	100%		Water Rights	\$5,748
471		1372 2009 28 Sh Welby Jacobs		City	100%		Canal Shares	\$50,400
472		1373 43 Sh Welby Jacobs		City	100%		Canal Shares	\$77,400
473		1374 2010 4 Sh Welby Jacob		City	100%		Canal Shares	\$7,200
474		1375 2010 1 Sh Welby Jacobs		City	100%		Canal Shares	\$1,800
475		1411 2010 50 Sh Welby Jacob		City	100%		Canal Shares	\$103,000
476		17 2002 Palmer & Jolene Helsten		City	100%		Water Rights	\$500
477		18 2002 Tony Mascaro		City	100%		Water Rights	\$25,000
478		19 2003 Brandon Dawson		City	100%		Water Rights	\$500
479		20 2003 Brenan Newman		City	100%		Water Rights	\$500
480		21 2002 David Thorpe		City	100%		Water Rights	\$500
481		22 2003 Dennis or Jaon Tucker		City	100%		Water Rights	\$500
482		23 2002 Don & Janet Ames		City	100%		Water Rights	\$500
483		24 2003 Eric May		City	100%		Water Rights	\$500
484		25 2002 Herriman Pipeline		City	100%		Water Rights	\$128,881
485		26 2003 Kyle Hamilton		City	100%		Water Rights	\$500
486		27 2002 Larry Johnston		City	100%		Water Rights	\$500
487		28 2003 Lynn or Lisa Egbert		City	100%		Water Rights	\$500
488		29 2003 Michael & Julie Ragsdale		City	100%		Water Rights	\$500
489		30 2002 Randy Robertson		City	100%		Water Rights	\$500
490		31 2003 Scott Freeman		City	100%		Water Rights	\$500
491		32 2002 T Mascaro		City	100%		Water Rights	\$128,615
492		33 2002 Toby & Sharon Stanley		City	100%		Water Rights	\$500
493		331 2003 Haven Barlow		City	100%		Water Rights	\$500
494		332 2003 Hamilton Land & Livestock		City	100%		Water Rights	\$440,250
495		334 2003 John Brocklebank		City	100%		Water Rights	\$500
496		335 2003 Roscoe Hogge		City	100%		Water Rights	\$500
497		336 2003 Troy Densley		City	100%		Water Rights	\$500
498		337 2004 Jared Barlow		City	100%		Water Rights	\$500
499		338 2004 Christopher/Diane Stokes		City	100%		Water Rights	\$500
500		339 2004 David Barlow		City	100%		Water Rights	\$500
501		340 2004 Julie Johnson		City	100%		Water Rights	\$500
502		341 2004 Shirley Butterfield		City	100%		Water Rights	\$500
503		342 2004 Jerry/Geniel Montgomery		City	100%		Water Rights	\$27,200

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
504		343 2004 Nancy Kunz		City	100%		Water Rights	\$1,000
505		344 2004 Kelly or Georgia Flander		City	100%		Water Rights	\$500
506		346 2004 Title Fees		City	100%		Water Rights	\$3,742
507		349 2002 Legal - Mascaro & Herriman		City	100%		Water Rights	\$16,005
508		350 2001 Legal - T. Mascaro		City	100%		Water Rights	\$8,018
509		351 2002 Sunrise Engineer		City	100%		Water Rights	\$65,387
510		353 2004 Water Rights - Herriman Pipeline		City	100%		Water Rights	\$253,499
511		358 2004 Water Right Research		City	100%		Water Rights	\$105,961
512		359 2004 J LC Water Rights		City	100%		Water Rights	\$39,900
513		360 2004 J. Butterfield Water Right		City	100%		Water Rights	\$500
514		361 2004 T Mascaro Water Right		City	100%		Water Rights	\$116,000
515		362 2004 Max/Pauline Water Rights		City	100%		Water Rights	\$28,500
516		363 2004 Arlin/Karalynn Freeman Water Right		City	100%		Water Rights	\$2,000
517		364 2004 S. Freeman Water Right		City	100%		Water Rights	\$500
518		365 2004 L Downs Water Right		City	100%		Water Rights	\$40,880
519		366 2004 P. Pantoja Water Right		City	100%		Water Rights	\$500
520		367 2004 Hamilton Land & Livestock Water Right		City	100%		Water Rights	\$464,996
521		369 2004 P. Pantoja Water Rights		City	100%		Water Rights	\$1,750
522		370 2004 L. Downs Water Rights		City	100%		Water Rights	\$40,880
523		371 2004 T. Densley Water Rights		City	100%		Water Rights	\$1,500
524		372 2005 Nephi & Edna Butterfield Water Rights		City	100%		Water Rights	\$1,000
525		373 2005 S. Bearden Water Rights		City	100%		Water Rights	\$68,000
526		374 2005 Dennis & Linda Steward Water Rights		City	100%		Water Rights	\$8,500
527		375 2005 L Downs Water Rights		City	100%		Water Rights	\$15,841
528		376 2005 C. Steed Water Rights		City	100%		Water Rights	\$8,500
529		377 2005 J LC Water Rights		City	100%		Water Rights	\$173,740
530		378 2005 J LC Water Rights		City	100%		Water Rights	\$172,003
531		379 2005 J LC Water Rights		City	100%		Water Rights	\$77,250
532		380 2005 Robert & Stephanie Water Rights		City	100%		Water Rights	\$500
533		381 2005 J LC Water Rights		City	100%		Water Rights	\$78,030
534		382 2005 Water Rights Researched & Title		City	100%		Water Rights	\$51,367
535		579 2004 Secondary Water Rights Research		City	100%		Water Rights	\$20,638
536		757 2005 Mardell Topham		City	100%		Water Rights	\$294,150
537		758 2005 J.L.C.		City	100%		Water Rights	\$345,800
538		759 2005 Kenneth M Simmons		City	100%		Water Rights	\$11,400
539		760 2005 Hamilton Land & Livestock		City	100%		Water Rights	\$86,364

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
540		761 2005 Tony Mascaro		City	100%		Water Rights	\$115,000
541		762 2005 Hamilton Land & Livestock		City	100%		Water Rights	\$475,000
542		763 2005 Pingree Family Trust		City	100%		Water Rights	\$10,500
543		764 2006 Ralph J McLachian		City	100%		Water Rights	\$500
544		765 2006 Corp of Presiding (LDS)		City	100%		Water Rights	\$14,080
545		811 2006 Welby Jacobs Water Shares - 4 Shares		City	100%		Canal Shares	\$8,000
546		813 2007 Welby Jacobs Water Shares 73 Shares		City	100%		Canal Shares	\$146,000
547		814 2007 Water Rights-40 Share Welby Jacob		City	100%		Canal Shares	\$80,000
548		815 2007 Water Shares-Jacob Welby 2 Shares		City	100%		Canal Shares	\$3,800
549		820 2007 Water Shares - Jacob Welby - 2 Shares		City	100%		Canal Shares	\$4,000
550		823 2007 Welby Jacob Water Shares - 5 Shares		City	100%		Canal Shares	\$10,000
551		824 2007 Welby Jacobs Water Shares - 11 Shares		City	100%		Canal Shares	\$22,000
552		826 2007 Water Right - 59-1160		City	100%		Water Rights	\$392,000
553		827 2007 Water Share - 1		City	100%		Water Rights	\$500
554		870 2006 Water Rights - Herriman Pipeline (adjust		City	100%		Water Rights	\$46,000
555		871 2006 Water Rights - Lane Downs		City	100%		Water Rights	\$124,000
556		872 2006 Water Rights - Judy Walker		City	100%		Water Rights	\$4,972
557		873 2007 Water Rights - B & G South Jordan		City	100%		Water Rights	\$120,000
558		874 2007 Water Rights - Butterfield		City	100%		Water Rights	\$10,000
559		875 2007 Water Rights - Grace Ham		City	100%		Water Rights	\$10,000
560		876 2007 Water Rights - Utah Land and Water		City	100%		Water Rights	\$60,000
561		877 2007 Water Rights - Utah Lake Distribution		City	100%		Canal Shares	\$355
562		1415 2010 3 Sh Welby Jacob		City	100%		Canal Shares	\$4,200
563		1416 2010 23 Sh Welby Jacob		City	100%		Canal Shares	\$34,500
564		1417 2010 7 Sh Herriman City Water		City	100%		Water Rights	\$15,400
565		1418 2011 1 3/5 Sh Herriman Irrigation Water		City	100%		Water Rights	\$5,507
566		1454 2011 50 Sh Welby Jacobs-Daro Hamilton		City	100%		Canal Shares	\$100,000
567		1467 Water Rights-Myrna Carter		City	100%		Water Rights	\$28,500
568		1468 Water Rights-Robert DeLuca		City	100%		Water Rights	\$1,500
569		1476 4 Shares Welby Jacobs		City	100%		Canal Shares	\$11,198

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
570		1477 20 Shares Welby Jacobs		City	100%		Canal Shares	\$30,000
571		1478 65 Shares of Wleby Jacobs		City	100%		Canal Shares	\$97,500
572		1479 15.712 Acre Feet Water Shares		City	100%		Canal Shares	\$34,566
573		1480 13.236 Acre Feet Water Shares		City	100%		Canal Shares	\$29,119
574		1481 Water Righ 59-3988		City	100%		Water Rights	\$103,699
575		1482 Water Right in Herriman Towne Center/ Rosecrest		City	100%		Water Rights	\$500,000
576		1483 Water Right in Herriman Towne Center/ Rosecrest		City	100%		Water Rights	\$250,000
577		Water Rights		City	100%		Water Rights	\$493,500
578		Wallace Gray-Welby Jacobs Water Shares		City	100%		Water Rights	\$7,500
579		Water Rights		City	100%		Water Rights	\$1,253,493
580		Water Rights		City	100%		Water Rights	\$3,013,610
581		Blackridge Reservoir		City	100%		Storage	\$8,348,219
582		High Country Water Rights		Other	0%		Water Rights	\$631,200
583	2012MP_C1.01 & C1.02	Pipeline from Z1E PS to MVC	Zone 1E to 6E	City	100%	2017	Transmission	\$620,718
584	2012MP	Z1E Tank and pipeline from tank to MVC	Zone 1E	City	100%	2018	Storage	\$3,589,586
585	2012MP	Z1E PS Construction	Zone 1E to 6E	City	100%	2018	Pumping Capacity	\$2,303,844
586		Z1E PS Engineering	Zone 1E to 6E	City	100%	2018	Pumping Capacity	\$235,858
587	2012MP_C1.03	Academy Pkwy Segment 1 & 2	Zone 1E	City	100%	2017	Transmission	
588	2012MP_C1.04	The Meadows Phase 4	Zone 1E	City	100%	2017	Transmission	
589	2012MP_C1.04	Autumn Crest Blvd Ph3	Zone 1E	City	100%	2017	Transmission	\$367,623
590	2012MP_C1.07	Sentinel Ridge Blvd	Zone 1E	City	100%	2017	Transmission	\$166,182
591	2012MP_C1.08 & C1.09	Porter Rockwell RMB	Zone 1E	City	100%	2017	Transmission	\$381,047
592	2012MP_C2.02, C2.03, C2.04,	Herriman Town Center Water Improvements	Zone 2	City	100%	2017	Transmission	\$30,640
593	2012MP_C2.07	Segment 2 of Main Street	Zone 2	City	100%	2017	Transmission	\$544,071

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
594	2012MP_C2.08	Segment 1 of Main Street	Zone 2	City	100%	2017	Transmission	\$186,615
595	2012MP_C2.12	11800 S 16" DIP	Zone 2	City	100%	2016	Transmission	\$654,410
596	2012MP_C2.13	16" DIP to tank	Zone 2	City	100%	2016	Transmission	\$257,670
597	2012MP_	5MG Z2N tank	Zone 2	City	100%	2016	Storage	\$2,305,520
598	2012MP_	JV Zone C Connection	Zone 3	City	100%	2019	Production	\$520,000
599	2012MP_	JV Zone D Connection	Zone 3, Zone 4	City	100%	2019	Production	\$230,000
600	2012MP_C3.01	Juniper Canyon Culinary	Zone 3E	City	100%	2017	Transmission	\$469,571
601	2012MP_C3.03	6400 W Waterline Extension	Zone 3	City	100%	2017	Transmission	\$617,992
602	2012MP_C5.03	From Rose Canyon Rd to 7300 W, upsize	Zone 5C	City	100%	2017	Transmission	\$35,682
603	2012MP_S1.01 & S1.05	The Meadows Phase 4	Zone 1E	City	100%	2017	Transmission	
604	2012MP_S1.02 & S3.03, S3.04	Juniper Canyon Secondary Improvements	Zone 1E, 2E, 3E, 4E	City	100%	2017	Transmission	\$1,519,946
605	2012MP_S1.03	Autumn Crest Blvd PH3	Zone 1	City	100%	2017	Transmission	\$449,903
606	2012MP_S1.04	Sentinel Ridge Secondary Improvements	Zone 1	City	100%	2017	Transmission	\$118,740
607	2012MP_S1.06 & S1.07	Academy Pkwy Segment 1 & 2	Zone 1	City	100%	2017	Transmission	
608	2012MP_S2.06	Main Street Seg 1	Zone 2	City	100%	2017	Transmission	\$52,155
609	2012MP_S2.06	Main Street Seg 2	Zone 2	City	100%	2017	Transmission	\$143,903
610	2012MP_S2.08	HTC	Zone 2	City	100%	2017	Transmission	

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
611	2012MP_S4.01, 4.02, 4.06	Miscellaneous Secondary Projects	Zone 2	City	100%	2017	Transmission	\$2,120,672
612	2012MP_	4000 West Secondary Booster & Pipeline		City	100%	2015	Pumping Capacity	\$2,252,359
613		Walker Family - Groundwater		City	100%	2015	Water Rights	\$334,730
614		Welby Jacob Water Users Company (Wall Gray)		City	100%	2015	Canal Shares	\$7,500
615		Welby Jacob Water Users Company (HTC Communities)		City	100%	2016	Canal Shares	\$890,212
616		Welby Jacob Water Users Company (Rosecrest Communities)		City	100%	2016	Canal Shares	\$2,057,800
617		Welby Jacob Water Users Company (Crane)		City	100%	2016	Canal Shares	\$37,500
618		Welby Jacob Water Users Company (Rendlisbacher)		City	100%	2017	Canal Shares	\$99,200
619		Welby Jacob Water Users Company (Gibson)		City	100%	2017	Canal Shares	\$16,000
620		Welby Jacob Water Users Company (Freeman)		City	100%	2017	Canal Shares	\$70,400
621		Welby Jacob Water Users Company (Darla Cruz)		City	100%	2018	Canal Shares	\$24,661
622		Welby Jacob Water Users Company (Della Backus)		City	100%	2018	Canal Shares	\$24,661
623		Welby Jacob Water Users Company (Larry Osborne)		City	100%	2018	Canal Shares	\$24,661
624		Welby Jacob Water Users Company (Hayven Inc)		City	100%	2018	Canal Shares	\$144,300
625		Welby Jacob Water Users Company (Reed Family)		City	100%	2018	Canal Shares	\$30,600
626		Welby Jacob Water Users Company (Larson Family)		City	100%	2018	Canal Shares	\$32,400
627		Welby Jacob Water Users Company (Nielsen)		City	100%	2018	Canal Shares	\$30,600
628		Welby Jacob Water Users Company (Hayven Inc)		City	100%	2018	Canal Shares	\$20,350
629		Welby Jacob Water Users Company (Flora Anthony)		City	100%	2018	Canal Shares	\$81,400
630		Welby Jacob Water Users Company (Scenic Holding)		City	100%	2019	Canal Shares	\$125,800
631		Welby Jacob Water Users Company (Gibson)		City	100%	2019	Canal Shares	\$11,100

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
632		Welby Jacob Water Users Company (Wilcox)		City	100%	2019	Canal Shares	\$14,800
633		Welby Jacob Water Users Company (Jay)		City	100%	2020	Canal Shares	\$16,650
634		Welby Jacob Water Users Company (Hayven Inc)		City	100%	2020	Canal Shares	\$116,550
635		Welby Jacob Water Users Company (Hayven Inc)		City	100%	2020	Canal Shares	\$135,050
636		Kerry & Teresa Jensen WR #59-5574 & 59-5441		City	100%	1900	Water Rights	\$99,750
637		Rose Creek Irrigation Shares (Lowell Hamilton)		City	100%	2021	Canal Shares	\$162,793
638		Jared Parkinson		City	100%	2021	Water Rights	\$135,600
639		Debra Rueckert		City	100%	2023	Water Rights	\$106,750
640		Dennis Bowles		City	100%	2023	Water Rights	\$98,875
641	47003	EMMALINE DRIVE 20" SECONDARY	Zone 4	City	100%	2019	Transmission	\$576,298
642	47551	EAST HERRIMAN WATER PROJECT	Zone 2E & 3E	City	100%	2020	Transmission	\$19,064
643	47552	TUSCANY WELL DEVELOPMENT	Zone 2	City	100%	2019	Transmission	\$105,538
644	47554	0141-00 ZONE 2 & 3 MAJOR WATER IMPROVEME	Zone 2E & 3E	City	100%	2021	Transmission	\$448,536
645	47600	MASTER PLAN - WATER		City	0%		Transmission	
646		MASTER PLAN - WATER 2019		City	0%	2019	Transmission	\$7,406
647		MASTER PLAN - WATER 2020		City	0%	2020	Transmission	\$49,149
648		MASTER PLAN - WATER 2021		City	0%	2021	Transmission	\$43,566
649		MASTER PLAN - WATER 2022		City	0%	2022	Transmission	\$39,418
650		MASTER PLAN - WATER 2023		City	0%	2023	Transmission	\$66,056
651	47804	ROCKWELL LANDING CULINARY	Zone 1SE	City	100%	2020	Transmission	\$381,047
652	47806	JORDAN VALLEY ZONE 2 CONNECTION	Zone 2N	City	100%	2019	Production	\$167,600
653	47812	ROSE SUMMIT 20" WATERLINE SECONDARY	Zone 4	City	100%	2019	Transmission	\$265,516
654	47813	7300 WEST CULINARY	Zone 4N	City	100%	2020	Transmission	\$1,560,193
655	47836	ROSECREST ROAD SECONDARY	Zone 3	City	100%	2019	Transmission	\$720
656	47837	BUTTERFIELD PARKWAY SECONDARY	Zone 4	City	100%	2019	Transmission	\$362,335
657	48215	Reimburse Rushmore & Yosemite	Zone 2N	City	100%	2019	Transmission	\$303,391
658	48703	O/S REIMB - DOUG YOUNG	Zone 2N	City	100%	2019	Transmission	\$240,730
659	48713	REIMBURSEMENT WASATCH SOUTH DEVELOPMENT	Zone 1E	City	100%	2022	Transmission	\$1,062,712
660	48715	REIMBURSEMENT ROSECREST	Zone 1E	City	100%	2020	Transmission	\$1,858,818
661	48717	REIMBURSEMENT T SQUARED DEVELOPMENT	Zone 5C	City	100%	2019	Transmission	\$7,041
662	48718	0025-00 BELLA VEA-BRUIIN VIEW DR (4000 W)	Zone 1E	City	100%	2022	Transmission	\$210,352

Row	Asset #	Description	Development / Zone	Funding	Percent Impact Fee Qualifying	Acquire Year	Function	Original Cost
663	48720	EDGE HOMES-GRAYSTONE SKYRIDGE	Zone 3E	City	100%	2019	Transmission	\$281,975
664	47546	ZONE 3 NORTH WATERLINE	Zone 3N	City	100%	2021	Transmission	\$1,255,298
665	47807	JUNIPER CANYON WATER LINES		City	100%	2021	Transmission	
666	47807-1	Zone 1E Secondary	Zone 1E	City	100%	2021	Transmission	\$1,214,513
667	47807-2	Zone 2E Secondary	Zone 2E	City	100%	2021	Transmission	\$300,000
668	47807-3	Zone 3E Secondary	Zone 3E	City	100%	2021	Transmission	\$275,000
669	47807-4	Zone 2E Culinary	Zone 2E	City	100%	2021	Transmission	\$275,000
670	47807-5	Zone 3E Culinary	Zone 3E	City	100%	2021	Transmission	\$350,000
671	47839	EAST HERRIMAN EXTENSION TO PORTER ROCK	1SE	City	100%	2021	Transmission	\$28,733
672	48719	LDS SEMINARY-AUTUMN CREST WATER	1E	City	100%	2021	Transmission	\$78,872
673	48721	EDGE HOMES-GRAYSTONE SKYRIDGE	3E	City	100%	2022	Transmission	\$34,558
674	48722	REIMBURSEMENT SORENSON LEGACY FOUNDATION	1E	City	100%	2022	Transmission	\$252,755
675	48723	REIMBURSEMENT SORENSON IMPACT FOUNDATION	1E	City	100%	2022	Transmission	\$36,108
676	47841	0061-00 HIDDEN OAKS BACKBONE PH 2 (REIMB	4N	City	100%	2023	Transmission	\$30,235
677	48731	0106-00 ROSECREST EAST MAJOR REIMBURSEME	1E	City	100%	2023	Transmission	\$2,656,788
678	48733	0138-00 WSH AUTUMN CREST WATER REIMBURSE	1E	City	100%	2023	Transmission	\$843,047
679		Rosecrest Pump Station Upgrade	Zone 4	City	100%	2022	Pumping Capacity	\$756,000
680		JBM Pump Station upgrade	Zone 4	City	100%	2022	Pumping Capacity	\$320,000

APPENDIX A2
EXISTING ASSET SUMMARY BY CATEGORY

**Table A2
Existing Asset Summary by Category**

Rows	Water Rights	Volume	Asset Cost to City
1	Wells / Springs	3,661	\$4,441,191
2			
3	Culinary Production	Peak Capacity (gpm)	Asset Cost
4	JVWTP	3,717	\$0
5	Springs	122	\$79,434
6	HP Well #1	172	\$6,933
7	HP Well #3	121	\$200,000
8	HP Well #4	121	\$200,000
9	Hamilton Well	1,750	\$772,149
10	Stillman Well	3,000	\$2,499,147
11	Culinary Total	5,586	\$3,957,663
12	Secondary Production	Peak Capacity (gpm)	Asset Cost
13	Welby Jacobs - Water Shares	6,000	\$ -
14	HP Well #2	150	\$200,000
15	Stokes Well	0	\$432,832
16	Bowdell Well	0	\$0
17	Tuscany Well	1,000	\$185,000
18	Secondary Total	7,350	\$817,832
19			
20	Culinary Pumping	Existing Capacity (gpm)	Asset Cost
21	Zone 4 Boosters	7,000	\$1,347,269
22	Zone 5 Boosters	1,500	-
23	Cove (Zone 6W Booster)	1,800	-
24	Zone 1E Booster		\$2,924,562
25	Hi-Country Booster		
26	Total	10,300	\$1,347,269

27	Secondary Pumping	Existing Capacity (gpm)	Asset Cost
28	4000 West Booster (Zone 1 & 3)	6,000	\$4,963,000
29	Zone 4 Boosters	3,300	\$0
30	Total	9,300	\$4,963,000

31

32	Culinary Storage	Existing Capacity (MG)	Asset Cost
33	Rosecrest Tank	1	\$466,821
34	Zone II 5MG	5	\$5,066,794
35	HP Tanks	1.4	\$1,087,500
36	Hardlick	3	\$432,185
37	Kennecott	2.95	\$8,089,788
38	Lookout Ridge	0.425	\$399,837
39	Cove	1	-
40	Zone 1E	2	\$3,589,586
41	Total Culinary Storage	0	\$19,132,511

42	Secondary Storage	Existing Capacity (MG)	Asset Cost
43	Blackridge Reservoir (Secondary)	9.5	\$8,348,219

44

45	Transmission	Existing Capacity	Asset Cost
46	Existing Culinary Water Pipes	--	\$31,432,090
47	Existing Secondary Water Pipes	--	\$10,339,374

APPENDIX A3
EXISTING CANAL SHARE ASSET SUMMARY

**Table A-3
Existing Canal Share Asset Summary**

Shares Purchased	Purchase From	Amount Paid	Cost Paid Per Share	A/F Per Share	Date Paid	AF	Avg Price per Af	Cumulative Source (Af)
4	Utah & Salt Lake Canal Co.	\$27,200	\$6,800	4.59	5/28/2004	18.4	\$1,481	18
21	Welby Jacob Water Users Company	\$39,900	\$1,900	1.00	7/13/2004	21	\$1,900	39
15	Welby Jacob Water Users Company	\$28,500	\$1,900	1.00	10/25/2004	15	\$1,900	54
5	Utah Lake Distributing	\$40,880	\$8,176	5.11	11/2/2004	25.6	\$1,600	80
5	Utah Lake Distributing	\$40,880	\$8,176	5.11	12/20/2004	25.6	\$1,600	105
40	Welby Jacob Water Users Company	\$68,000	\$1,700	1.00	3/28/2005	40	\$1,700	145
5	Welby Jacob Water Users Company	\$8,500	\$1,700	1.00	4/25/2005	5	\$1,700	150
2	Utah Lake Distributing	\$15,841	\$7,921	5.11	5/4/2005	10.2	\$1,550	161
5	Welby Jacob Water Users Company	\$8,500	\$1,700	1.00	6/6/2005	5	\$1,700	166
10	Utah & Salt Lake Canal Co.	\$77,250	\$7,725	4.59	6/29/2005	45.9	\$1,683	212
20	Utah Lake Distributing	\$172,003	\$8,600	5.11	6/29/2005	102.2	\$1,683	314
159	Welby Jacob Water Users Company	\$294,150	\$1,850	1.00	6/29/2005	159	\$1,850	473
182	Welby Jacob Water Users Company	\$345,800	\$1,900	1.00	7/12/2005	182	\$1,900	655
6	Welby Jacob Water Users Company	\$11,400	\$1,900	1.00	9/14/2005	6	\$1,900	661
50	Welby Jacob Water Users Company	\$100,000	\$2,000	1.00	9/7/2006	50	\$2,000	711
8	Welby Jacob Water Users Company	\$16,000	\$2,000	1.00	10/20/2006	8	\$2,000	719
4	Welby Jacob Water Users Company	\$8,000	\$2,000	1.00	12/14/2006	4	\$2,000	723
40	Welby Jacob Water Users Company	\$80,000	\$2,000	1.00	1/18/2007	40	\$2,000	763
73	Welby Jacob Water Users Company	\$146,000	\$2,000	1.00	1/26/2007	73	\$2,000	836
60	Welby Jacob Water Users Company	\$120,000	\$2,000	1.00	2/7/2007	60	\$2,000	896
3	Welby Jacob Water Users Company	\$6,000	\$2,000	1.00	2/7/2007	3	\$2,000	899
2	Welby Jacob Water Users Company	\$4,000	\$2,000	1.00	2/7/2007	2	\$2,000	901
5	Welby Jacob Water Users Company	\$10,000	\$2,000	1.00	2/14/2007	5	\$2,000	906
2	Welby Jacob Water Users Company	\$3,800	\$1,900	1.00	4/16/2007	2	\$1,900	908

Shares Purchased	Purchase From	Amount Paid	Cost Paid Per Share	A/F Per Share	Date Paid	AF	Avg Price per Af	Cumulative Source (Af)
2	Welby Jacob Water Users Company	\$4,000	\$2,000	1.00	4/20/2007	2	\$2,000	910
30	Welby Jacob Water Users Company	\$60,000	\$2,000	1.00	6/7/2007	30	\$2,000	940
5	Welby Jacob Water Users Company	\$10,000	\$2,000	1.00	7/16/2007	5	\$2,000	945
11	Welby Jacob Water Users Company	\$22,000	\$2,000	1.00	8/2/2007	11	\$2,000	956
10	Welby Jacob Water Users Company	\$20,000	\$2,000	1.00	8/6/2007	10	\$2,000	966
5	Welby Jacob Water Users Company	\$10,000	\$2,000	1.00	10/19/2007	5	\$2,000	971
3	Welby Jacob Water Users Company	\$6,000	\$2,000	1.00	11/5/2007	3	\$2,000	974
2	Welby Jacob Water Users Company	\$4,000	\$2,000	1.00	11/9/2007	2	\$2,000	976
50	Welby Jacob Water Users Company	\$100,000	\$2,000	1.00	5/1/2008	50	\$2,000	1,026
145	Welby Jacob Water Users Company	\$319,000	\$2,200	1.00	12/9/2008	145	\$2,200	1,171
50	Welby Jacob Water Users Company	\$100,000	\$2,000	1.00	5/12/2009	50	\$2,000	1,221
0	Rosecreek Irrigation Company (assumes 2.5 Af per share)	\$2,088	\$5,220	2.50	6/2/2009	1	\$2,088	1,222
17	Herriman Irrigation Company (assumes 1.75 Af per share)	\$58,508	\$3,442	1.75	6/2/2009	29.8	\$1,967	1,252
2	Herriman Irrigation Company (assumes 1.75 Af per share)	\$5,748	\$3,442	1.75	7/22/2009	2.9	\$1,971	1,254
43	Welby Jacob Water Users Company	\$77,400	\$1,800	1.00	12/4/2009	43	\$1,800	1,297
28	Welby Jacob Water Users Company	\$50,400	\$1,800	1.00	12/16/2009	28	\$1,800	1,325
4	Welby Jacob Water Users Company	\$7,200	\$1,800	1.00	1/19/2010	4	\$1,800	1,329
50	Welby Jacob Water Users Company	\$100,000	\$2,000	1.00	5/6/2010	50	\$2,000	1,379
1	Welby Jacob Water Users Company	\$1,800	\$1,800	1.00	6/22/2010	1	\$1,800	1,380
3	Welby Jacob Water Users Company	\$4,200	\$1,400	1.00	7/27/2010	3	\$1,400	1,383
23	Welby Jacob Water Users Company	\$34,500	\$1,500	1.00	8/3/2010	23	\$1,500	1,406
1 3/5	Herriman Irrigation Company (assumes 1.75 Af per share)	\$5,507	\$3,442	1.75	2/18/2011	3	\$1,967	1,409
50	Welby Jacob Water Users Company	\$100,000	\$2,000	1.00	5/17/2011	50	\$2,000	1,459
19	Welby Jacob Water Users Company	\$28,500	\$1,500	1.00	9/2/2011	19	\$1,500	1,478

Shares Purchased	Purchase From	Amount Paid	Cost Paid Per Share	A/F Per Share	Date Paid	AF	Avg Price per Af	Cumulative Source (Af)
1	Welby Jacob Water Users Company	\$1,500	\$1,500	1.00	2/16/2012	1	\$1,500	1,479
4	Welby Jacob Water Users Company	\$6,000	\$1,500	1.00	7/31/2012	4	\$1,500	1,483
100	Welby Jacob Water Users Company	\$220,000	\$2,200	1.00	12/28/2012	100	\$2,200	1,583
232	Welby Jacob Water Users Company	\$510,400	\$2,200	1.00	12/28/2012	232	\$2,200	1,815
2	Welby Jacob Water Users Company	\$4,400	\$2,200	1.00	12/28/2012	2	\$2,200	1,817
557	Welby Jacob Water Users Company	\$1,225,400	\$2,200	1.00	12/28/2012	557	\$2,200	2,374
360	Welby Jacob Water Users Company	\$792,000	\$2,200	1.00	12/28/2012	360	\$2,200	2,734
30	Welby Jacob Water Users Company	\$66,000	\$2,200	1.00	12/28/2012	30	\$2,200	2,764
20	Welby Jacob Water Users Company	\$30,000	\$1,500	1.00	1/28/2013	20	\$1,500	2,784
65	Welby Jacob Water Users Company	\$97,500	\$1,500	1.00	1/31/2013	65	\$1,500	2,849
26	Welby Jacob Water Users Company	\$39,000	\$1,500	1.00	9/16/2013	26	\$1,500	2,875
3	Welby Jacob Water Users Company	\$4,500	\$1,500	1.00	4/2/2014	3	\$1,500	2,878
9	Herriman Irrigation Company (assumes 1.75 Af per share)	\$30,975	\$3,442	1.75	12/14/2014	16	\$1,967	2,894
5	Welby Jacob Water Users Company (Gray)	\$7,500	\$1,500	1.00	1/8/2015	5	\$1,500	2,899
	Walker Family - Groundwater	\$334,730			4/29/2015	152.2	\$2,200	3,051
5	Welby Jacob Water Users Company (Wall Gray)	\$7,500	\$1,500	1.00	6/30/2015	5	\$1,500	3,056
232	Welby Jacob Water Users Company (HTC Communities)	\$890,212	\$3,837	1.00	1/5/2016	232	\$3,837	3,288
536	Welby Jacob Water Users Company (Rosecrest Communities)	\$2,057,800	\$3,839	1.00	1/5/2016	536	\$3,839	3,824
25	Welby Jacob Water Users Company (Crane)	\$37,500	\$1,500	1.00	4/20/2016	25	\$1,500	3,849
62	Welby Jacob Water Users Company (Rendlisbacher)	\$99,200	\$1,600	1.00	9/14/2017	62	\$1,600	3,911
10	Welby Jacob Water Users Company (Gibson)	\$16,000	\$1,600	1.00	9/14/2017	10	\$1,600	3,921

Shares Purchased	Purchase From	Amount Paid	Cost Paid Per Share	A/F Per Share	Date Paid	AF	Avg Price per Af	Cumulative Source (Af)
44	Welby Jacob Water Users Company (Freeman)	\$70,400	\$1,600	1.00	9/14/2017	44	\$1,600	3,965
13.33	Welby Jacob Water Users Company (Darla Cruz)	\$24,661	\$1,850	1.00	8/21/2018	13.3	\$1,850	3,978
13.33	Welby Jacob Water Users Company (Della Backus)	\$24,661	\$1,850	1.00	8/21/2018	13.3	\$1,850	3,992
13.33	Welby Jacob Water Users Company (Larry Osborne)	\$24,661	\$1,850	1.00	8/21/2018	13.3	\$1,850	4,005
78	Welby Jacob Water Users Company (Hayven Inc)	\$144,300	\$1,850	1.00	9/6/2018	78	\$1,850	4,083
17	Welby Jacob Water Users Company (Reed Family)	\$30,600	\$1,800	1.00	10/31/2018	17	\$1,800	4,100
18	Welby Jacob Water Users Company (Larson Family)	\$32,400	\$1,800	1.00	10/31/2018	18	\$1,800	4,118
17	Welby Jacob Water Users Company (Nielsen)	\$30,600	\$1,800	1.00	10/31/2018	17	\$1,800	4,135
11	Welby Jacob Water Users Company (Hayven Inc)	\$20,350	\$1,850	1.00	12/4/2018	11	\$1,850	4,146
44	Welby Jacob Water Users Company (Flora Anthony)	\$81,400	\$1,850	1.00	12/18/2018	44	\$1,850	4,190
68	Welby Jacob Water Users Company (Scenic Holding)	\$125,800	\$1,850	1.00	1/15/2019	68	\$1,850	4,258
6	Welby Jacob Water Users Company (Gibson)	\$11,100	\$1,850	1.00	2/4/2019	6	\$1,850	4,264
8	Welby Jacob Water Users Company (Wilcox)	\$14,800	\$1,850	1.00	2/25/2019	8	\$1,850	4,272
9	Welby Jacob Water Users Company (Jay)	\$16,650	\$1,850	1.00	1/8/2020	9	\$1,850	4,281
63	Welby Jacob Water Users Company (Hayven Inc)	\$116,550	\$1,850	1.00	4/15/2020	63	\$1,850	4,344

Shares Purchased	Purchase From	Amount Paid	Cost Paid Per Share	A/F Per Share	Date Paid	AF	Avg Price per Af	Cumulative Source (Af)
73	Welby Jacob Water Users Company (Hayven Inc)	\$135,050	\$1,850	1.00	5/1/2020	73	\$1,850	4,417
	Kerry & Teresa Jensen WR #59-5574 & 59-5441	\$99,750				28.5	\$3,500	4,446
24	Rose Creek Irrigation Shares (Lowell Hamilton)	\$162,793	\$6,783	2.50	4/13/2021	60	\$2,713	4,506
	Jared Parkinson	\$135,600	\$4,000		4/13/2021	33.9	\$4,000	4,540
	Debra Rueckert	\$106,750	\$3,500		9/28/2023	30.5	\$3,500	4,570
	Dennis Bowles	\$98,875	\$3,500		9/28/2023	28.3	\$3,500	4,598
TOTAL		\$10,789,322				4,598		

APPENDIX B
CITY DEBT SERVICE

Series 2003A Water Revenue Bond*

Year	Principal	Interest	Total D/S
2004		\$40,920	\$40,920
2005	\$150,000	\$66,960	\$216,960
2006	\$153,000	\$64,170	\$217,170
2007	\$156,000	\$61,324	\$217,324
2008	\$159,000	\$58,423	\$217,423
2009	\$162,000	\$55,465	\$217,465
2010	\$165,000	\$52,452	\$217,452
2011	\$168,000	\$49,383	\$217,383
2012	\$171,000	\$46,258	\$217,258
2013	\$174,000	\$43,078	\$217,078
2014	\$177,000	\$39,841	\$216,841
2015	\$181,000	\$36,549	\$217,549
2016	\$184,000	\$33,182	\$217,182
2017	\$187,000	\$29,760	\$216,760
2018	\$191,000	\$26,282	\$217,282
2019	\$194,000	\$22,729	\$216,729
2020	\$198,000	\$19,121	\$217,121
2021	\$202,000	\$15,438	\$217,438
2022	\$205,000	\$11,681	\$216,681
2023	\$210,000	\$7,868	\$217,868
2024	\$213,000	\$3,962	\$216,962

*Bond used to acquire JVWCD & Herriman Pipeline

Series 2007 Water Revenue / Refinance Bond*

Year	Principal	Interest	Total D/S
2008	-	\$111,514	\$111,514
2009	\$120,000	\$427,076	\$547,076
2010	\$125,000	\$422,276	\$547,276
2011	\$135,000	\$417,276	\$552,276
2012	\$140,000	\$411,876	\$551,876
2013	\$145,000	\$406,276	\$551,276
2014	\$225,000	\$400,476	\$625,476
2015	\$230,000	\$391,476	\$621,476
2016	\$240,000	\$382,275	\$622,275
2017	\$55,000	\$502,419	\$557,419
2018	<i>\$260,000</i>	<i>\$298,800</i>	<i>\$558,800</i>
2019	<i>\$265,000</i>	<i>\$291,000</i>	<i>\$556,000</i>
2020	<i>\$270,000</i>	<i>\$283,050</i>	<i>\$553,050</i>
2021	<i>\$285,000</i>	<i>\$274,950</i>	<i>\$559,950</i>
2022	<i>\$290,000</i>	<i>\$266,400</i>	<i>\$556,400</i>
2023	<i>\$305,000</i>	<i>\$254,800</i>	<i>\$559,800</i>
2024	<i>\$315,000</i>	<i>\$242,600</i>	<i>\$557,600</i>
2025	<i>\$545,000</i>	<i>\$230,000</i>	<i>\$775,000</i>
2026	<i>\$565,000</i>	<i>\$208,200</i>	<i>\$773,200</i>
2027	<i>\$585,000</i>	<i>\$185,600</i>	<i>\$770,600</i>
2028	<i>\$610,000</i>	<i>\$162,200</i>	<i>\$772,200</i>
2029	<i>\$635,000</i>	<i>\$137,800</i>	<i>\$772,800</i>
2030	<i>\$665,000</i>	<i>\$112,400</i>	<i>\$777,400</i>
2031	<i>\$685,000</i>	<i>\$85,800</i>	<i>\$770,800</i>
2032	<i>\$715,000</i>	<i>\$58,400</i>	<i>\$773,400</i>
2033	<i>\$745,000</i>	<i>\$29,800</i>	<i>\$774,800</i>

*Refunded 2005 & 2006 BANS. Bond refinanced in 2017. Last full year of payment was in 2016.

Series 2011 Water Revenue Bond*

Year	Principal	Interest	Total D/S
2012	\$255,000	\$191,909	\$446,909
2013	\$245,000	\$240,865	\$485,865
2014	\$250,000	\$233,515	\$483,515
2015	\$255,000	\$226,015	\$481,015
2016	\$270,000	\$215,815	\$485,815
2017	\$275,000	\$207,715	\$482,715
2018	<i>\$285,000</i>	<i>\$199,465</i>	<i>\$484,465</i>
2019	<i>\$295,000</i>	<i>\$190,915</i>	<i>\$485,915</i>
2020	<i>\$300,000</i>	<i>\$182,065</i>	<i>\$482,065</i>
2021	<i>\$310,000</i>	<i>\$173,065</i>	<i>\$483,065</i>
2022	<i>\$320,000</i>	<i>\$162,990</i>	<i>\$482,990</i>
2023	<i>\$330,000</i>	<i>\$151,790</i>	<i>\$481,790</i>
2024	<i>\$345,000</i>	<i>\$139,828</i>	<i>\$484,828</i>
2025	<i>\$360,000</i>	<i>\$126,028</i>	<i>\$486,028</i>
2026	<i>\$370,000</i>	<i>\$111,628</i>	<i>\$481,628</i>
2027	<i>\$390,000</i>	<i>\$95,533</i>	<i>\$485,533</i>
2028	<i>\$405,000</i>	<i>\$78,568</i>	<i>\$483,568</i>
2029	<i>\$425,000</i>	<i>\$60,950</i>	<i>\$485,950</i>
2030	<i>\$440,000</i>	<i>\$41,400</i>	<i>\$481,400</i>
2031	<i>\$460,000</i>	<i>\$21,160</i>	<i>\$481,160</i>

*Bond revenue used for PI system construction. Bond refinanced in 2017. Last full year of payment was in 2016.

Series 2015 Water Bond*

Year	Principal	Interest	Total D/S
2016	-	\$45,850	\$45,850
2017	\$138,000	\$77,130	\$215,130
2018	\$141,000	\$74,025	\$215,025
2019	\$144,000	\$70,853	\$214,853
2020	\$147,000	\$67,613	\$214,613
2021	<i>\$150,000</i>	<i>\$64,305</i>	<i>\$214,305</i>
2022	<i>\$154,000</i>	<i>\$60,930</i>	<i>\$214,930</i>
2023	<i>\$157,000</i>	<i>\$57,465</i>	<i>\$214,465</i>
2024	<i>\$161,000</i>	<i>\$53,933</i>	<i>\$214,933</i>
2025	<i>\$164,000</i>	<i>\$50,310</i>	<i>\$214,310</i>
2026	<i>\$168,000</i>	<i>\$46,620</i>	<i>\$214,620</i>
2027	<i>\$172,000</i>	<i>\$42,840</i>	<i>\$214,840</i>
2028	<i>\$176,000</i>	<i>\$38,970</i>	<i>\$214,970</i>
2029	<i>\$180,000</i>	<i>\$35,010</i>	<i>\$215,010</i>
2030	<i>\$184,000</i>	<i>\$30,960</i>	<i>\$214,960</i>
2031	<i>\$188,000</i>	<i>\$26,820</i>	<i>\$214,820</i>
2032	<i>\$192,000</i>	<i>\$22,590</i>	<i>\$214,590</i>
2033	<i>\$196,000</i>	<i>\$18,270</i>	<i>\$214,270</i>
2034	<i>\$201,000</i>	<i>\$13,860</i>	<i>\$214,860</i>
2035	<i>\$205,000</i>	<i>\$9,338</i>	<i>\$214,338</i>
2036	<i>\$210,000</i>	<i>\$4,725</i>	<i>\$214,725</i>

*Bond revenue used for Zone 2 5MG Tank. Bond assumed to be refinanced in 2021. Last full year of payment was in 2020.

Series 2016 Water Bond*

Year	Principal	Interest (Jan 1)	Interest (Jul 1)	Total D/S
2016			\$92,469	
2017	\$55,000	\$149,950	\$149,400	\$354,350
2018	\$260,000	\$149,400	\$145,500	\$554,900
2019	\$265,000	\$145,500	\$141,525	\$552,025
2020	\$270,000	\$141,525	\$137,475	\$549,000
2021	\$285,000	\$137,475	\$133,200	\$555,675
2022	\$290,000	\$133,200	\$127,400	\$550,600
2023	\$305,000	\$127,400	\$121,300	\$553,700
2024	\$315,000	\$121,300	\$115,000	\$551,300
2025	\$545,000	\$115,000	\$104,100	\$764,100
2026	\$565,000	\$104,100	\$92,800	\$761,900
2027	\$585,000	\$92,800	\$81,100	\$758,900
2028	\$610,000	\$81,100	\$68,900	\$760,000
2029	\$635,000	\$68,900	\$56,200	\$760,100
2030	\$665,000	\$56,200	\$42,900	\$764,100
2031	\$685,000	\$42,900	\$29,200	\$757,100
2032	\$730,000	\$29,200	\$14,900	\$774,100
2033	\$730,000	\$14,900	\$0	\$744,900

*Bond used to refund the 2005 & 2006 bonds and to fund general water /PI pipeline construction

Series 2017 Water Revenue Bond

Year	Principal	Interest (Jan 1)	Interest (Jul 1)	Total D/S
2016				
2017				
2018			\$60,550	
2019	\$40,000	\$59,558	\$59,308	\$160,108
2020	\$45,000	\$59,308	\$58,993	\$163,615
2021	<i>\$355,000</i>	<i>\$58,993</i>	<i>\$56,241</i>	<i>\$472,985</i>
2022	<i>\$360,000</i>	<i>\$56,241</i>	<i>\$53,181</i>	<i>\$472,483</i>
2023	<i>\$365,000</i>	<i>\$53,181</i>	<i>\$49,714</i>	<i>\$471,363</i>
2024	<i>\$375,000</i>	<i>\$49,714</i>	<i>\$45,776</i>	<i>\$474,428</i>
2025	<i>\$385,000</i>	<i>\$45,776</i>	<i>\$41,349</i>	<i>\$476,553</i>
2026	<i>\$385,000</i>	<i>\$41,349</i>	<i>\$36,344</i>	<i>\$467,698</i>
2027	<i>\$400,000</i>	<i>\$36,344</i>	<i>\$30,744</i>	<i>\$472,688</i>
2028	<i>\$410,000</i>	<i>\$30,744</i>	<i>\$24,594</i>	<i>\$471,488</i>
2029	<i>\$425,000</i>	<i>\$24,594</i>	<i>\$17,156</i>	<i>\$474,188</i>
2030	<i>\$435,000</i>	<i>\$17,156</i>	<i>\$9,000</i>	<i>\$469,313</i>
2031	<i>\$450,000</i>	<i>\$9,000</i>		<i>\$468,000</i>

*Bond revenue used for to refinance 2007 and 2011 Bond as well as some new water transmission lines. Bond assumed to be refinanced in 2021. Last full year of payment was in 2020.

Series 2021 Water Revenue Bond*

Year	Principal	Interest	Total D/S
2021	\$0	\$174,072	\$174,072
2022	\$1,025,000	\$887,700	\$1,912,700
2023	\$785,000	\$851,500	\$1,636,500
2024	\$815,000	\$819,500	\$1,634,500
2025	\$850,000	\$786,200	\$1,636,200
2026	\$880,000	\$751,600	\$1,631,600
2027	\$915,000	\$715,700	\$1,630,700
2028	\$955,000	\$678,300	\$1,633,300
2029	\$990,000	\$639,400	\$1,629,400
2030	\$1,030,000	\$599,000	\$1,629,000
2031	\$1,075,000	\$556,400	\$1,631,400
2032	\$1,115,000	\$513,100	\$1,628,100
2033	\$1,160,000	\$467,600	\$1,627,600
2034	\$1,205,000	\$420,300	\$1,625,300
2035	\$1,255,000	\$371,100	\$1,626,100
2036	\$1,305,000	\$319,900	\$1,624,900
2037	\$1,355,000	\$266,700	\$1,621,700
2038	\$1,410,000	\$211,400	\$1,621,400
2039	\$1,470,000	\$153,800	\$1,623,800
2040	\$1,525,000	\$93,900	\$1,618,900
2041	\$1,585,000	\$31,700	\$1,616,700

*Bond revenue to be used to refinance 2015 and 2017 Bonds and to pay for new water infrastructure. Projects funded include: North Herriman Water Improvements, Juniper Canyon Waterlines, Zoen 4 Pump Station Upgrades. The City intends to use the remaining balance to fund East Herriman Water Zone 2 & 3 facilities.

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