

2014 Budget

Engineering Overview

Engineering Design Department



Engineering Design Overview

Responsible for:

- Design and construction management for Capital Infrastructure projects.
- Development and Maintenance of master infrastructure plans.
- Engineering support in Development Planning area.

Department Structure:

- City Engineer (Exempt)
- Design Supervisor (Exempt)
- 4 Engineering Technicians
- 1 Construction Inspector
- 1 Surveyor
- 1 Seasonal Survey assistant
- 7 FTE (excludes City Engineer)
- 1 Seasonal.

Engineering AWWTP



Engineering AWWTP Overview

Responsible for:

- Maintenance of Advanced Waste Water Treatment plant and Lift Stations.
- Treatment of Waste Water to mandated standard.
- Receiving and treatment of septic waste.
- Receiving and treatment of OK Falls Waste Water plant sludge.
- Generation of treated effluent for irrigation.
- Generation of Bio-Solids for compost production.
- Maintaining 24hr, 365 day operation.

Department Structure:

- City Engineer (Exempt)
- Plant Supervisor (Exempt)
- 2 Level III Operators
- 3 Level II Operators
- 1 Plant Electrician
- 1 Plant Millwright
- 2 Operators in Training
- 10 FTE (excludes City Engineer)

Engineering WTP



Engineering WTP Overview

Responsible for:

- Maintenance of Water Treatment plant, Reservoirs and Pump Stations.
- Treatment of water to mandated standard.
- Development and promotion of Water Conservation.
- Management of cross-connection control programme.
- Maintaining 24hr, 365 day operation.

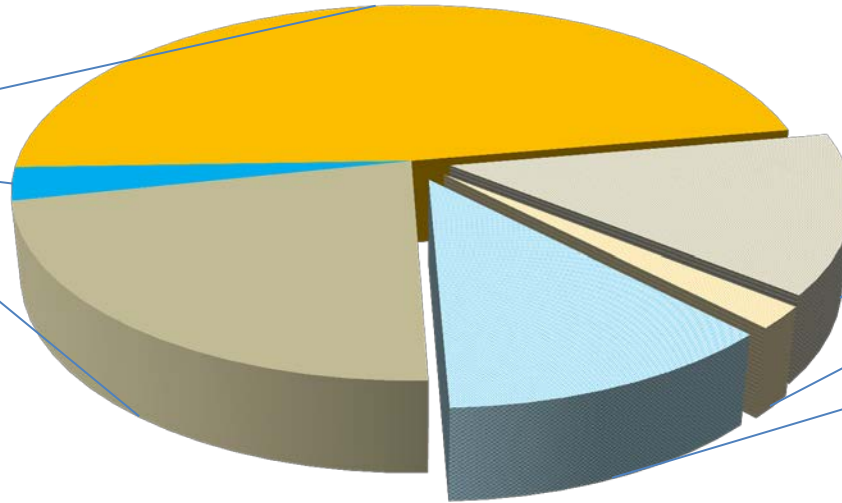
Department Structure:

- City Engineer (Exempt)
- Plant Supervisor (Exempt)
- 2 Level III Operators
- 3 Level II Operators
- 1 Plant Electrician
- 1 Conservation/Cross Connection Control officer
- 8 FTE (excludes City Engineer)

Engineering Department Total Budget - \$11,925,955

Capital

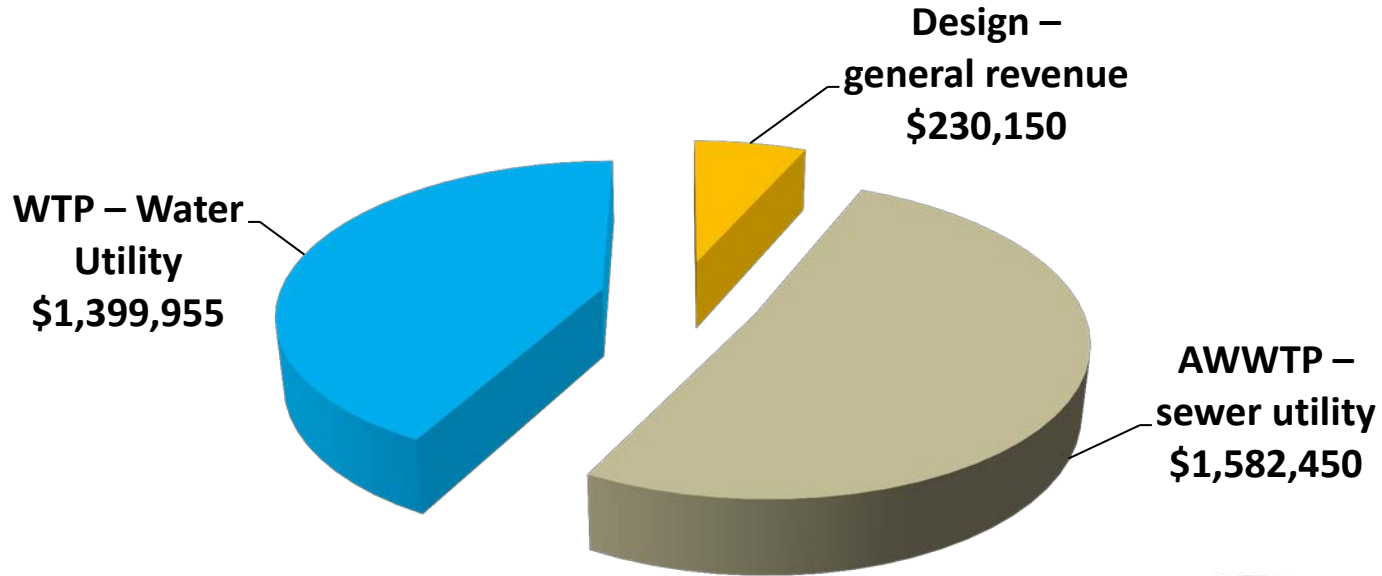
Design \$5,728,400
WTP \$341,000
AWWTP \$2,659,000
\$8,713,400



Operating

\$1,582,450 AWWTP
\$230,150 Design
\$1,399,955 WTP
\$3,212,555

Engineering Operating Budget Overview By Area - \$3,212,555



2014 Operating Budget

Engineering

- **Design**
- Advanced Waste Water Treatment Plant (AWWTP)
- Water Treatment Plant (WTP)

Design 2014 Operating Budget Highlights

2014 Total = \$230,150

After Transfers

Budget Adjustment +\$19,425

FTE Adjustment 0

Budget before transfers

- Wages & Salaries \$936,930
- Stationary Supplies \$8,650
- Vehicles \$27,500
- Consulting allowance \$75,000
- Total before transfers \$1,048,080

Transfers to Other Budgets

- Capital infrastructure projects (-\$519,155)
- Wages & Salaries to other cost centres (-\$276,000)
- Stationary to Capital (-\$5,450)
- Vehicles to Capital (-\$17,325)
- Total to be transferred (-\$817,930)

Engineering Design 2014 Operating Budget

Description	2014	Variance from 2013	2013	2013 Projected
SALARIES, WAGES & OVERTIME	\$936,930	\$31,430	\$905,500	\$905,500
SALARY TRANSFER TO CAPITAL	(\$519,155)	(\$29,405)	(\$489,750)	(\$489,750)
SALARY TRANSFER TO 32 PW ROADS	(\$28,700)	\$5,000	(\$33,700)	(\$33,700)
SALARY TRANSFER TO 36 PW SOLID WASTE	(\$18,700)	\$0	(\$18,700)	(\$18,700)
SALARY TRANSFER TO 40 SEWER	(\$59,700)	\$13,700	(\$73,400)	(\$73,400)
SALARY TRANSFER TO 42 WATER	(\$59,700)	\$13,700	(\$73,400)	(\$73,400)
SALARY TRANSFER TO 31 PW PARKS	(\$18,700)	\$5,000	(\$23,700)	(\$23,700)
SALARY TRANSFER TO 29 PW FLEET	(\$8,700)	\$0	(\$8,700)	(\$8,700)
SALARY TRANSFER TO 26 PLANNING	(\$10,000)	\$0	(\$10,000)	(\$10,000)
SALARY TRANSFER TO 09 ELECTRIC	(\$71,800)	\$5,000	(\$76,800)	(\$76,800)
STATIONARY AND VEHICLES	\$36,150	0	\$36,150	\$36,150
STATIONARY AND VEHICLES TRANSFER TO CAPITAL	(\$22,775)	0	(\$22,775)	(\$22,775)
CONSULTING	\$75,000	(\$25,000)	\$100,000	\$75,000
TOTALS	\$230,150	\$19,425	\$210,725	\$185,725

2014 Operating Budget

Engineering

- Design
- **Advanced Waste Water Treatment Plant (AWWTP)**
- Water Treatment Plant (WTP)

Engineering AWWTP 2014 Operating Budget Highlights

2014 Total = \$1,582,450

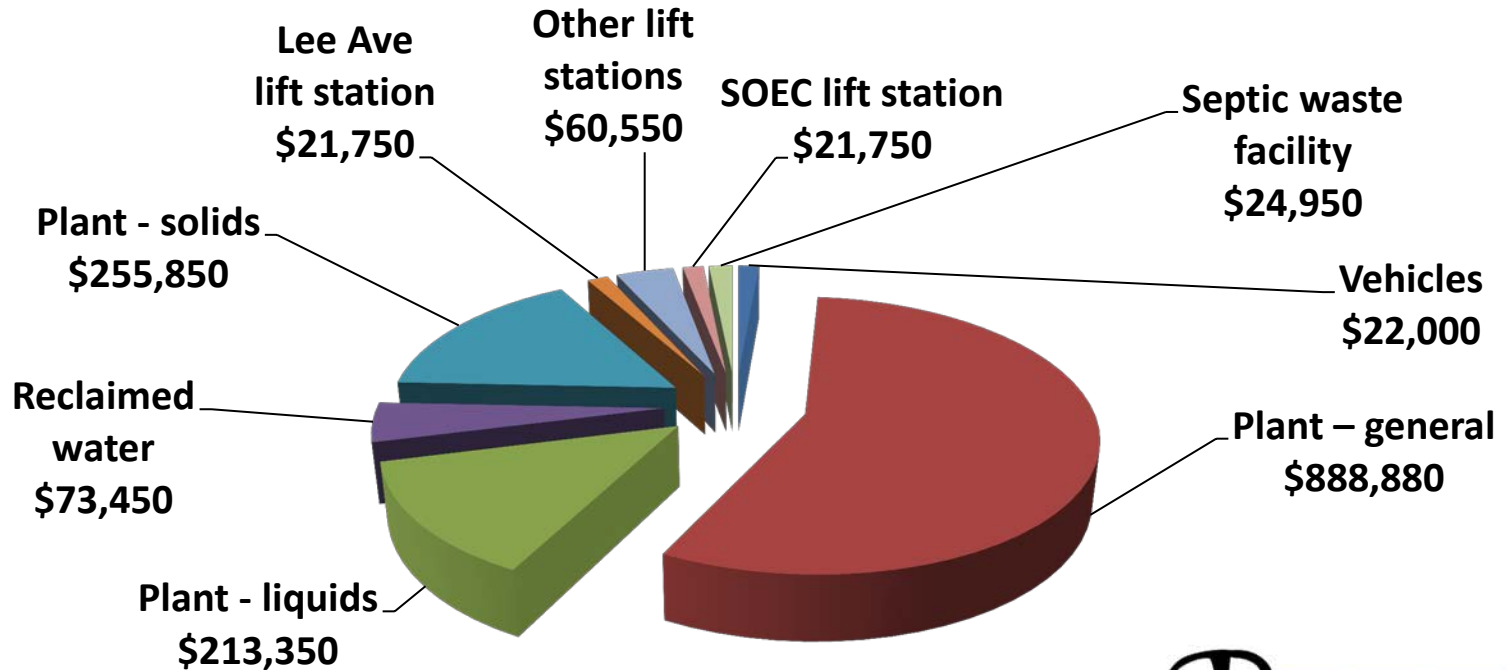
Budget Adjustment +\$80

FTE Adjustment 0

Budget features

- AWWTP Liquid stream now reported separately.
- Screening hauling now included with Plant-Solids.

EAWWTP 2014 Operating Budget



Engineering AWWTP 2014 Operating Budget

Description	2014	Variance from 2013	2013	2013 Projected
VEHICLES	\$22,000	0	\$22,000	\$22,000
PLANT - GENERAL	\$888,800	\$31,735	\$857,065	\$838,530
PLANT - LIQUIDS	\$213,350	(\$35,535)	\$248,884	\$243,500
RECLAIMED WATER	\$73,450	\$1,150	\$72,300	\$70,800
SOLIDS DEWATERING	\$255,850	\$8,280	\$247,570	\$242,050
LIFT STATIONS – LEE AVE	\$21,750	(\$2,150)	\$23,900	\$20,000
LIFT STATIONS - OTHER	\$60,550	(\$1,000)	\$61,550	\$50,425
LIFT STATIONS - SOEC	\$21,750	(\$2,150)	\$23,900	\$20,000
SEPTIC WASTE FACILITY	\$24,950	(\$250)	\$25,200	\$24,750
TOTALS	\$1,582,450	\$80	\$1,582,370	\$1,532,055

2014 Operating Budget

Engineering

- Design
- Advanced Waste Water Treatment Plant (AWWTP)
- **Water Treatment Plant (WTP)**

Engineering WTP 2014 Operating Budget Highlights

2014 Total = \$1,399,955

Budget Adjustment +\$67,205

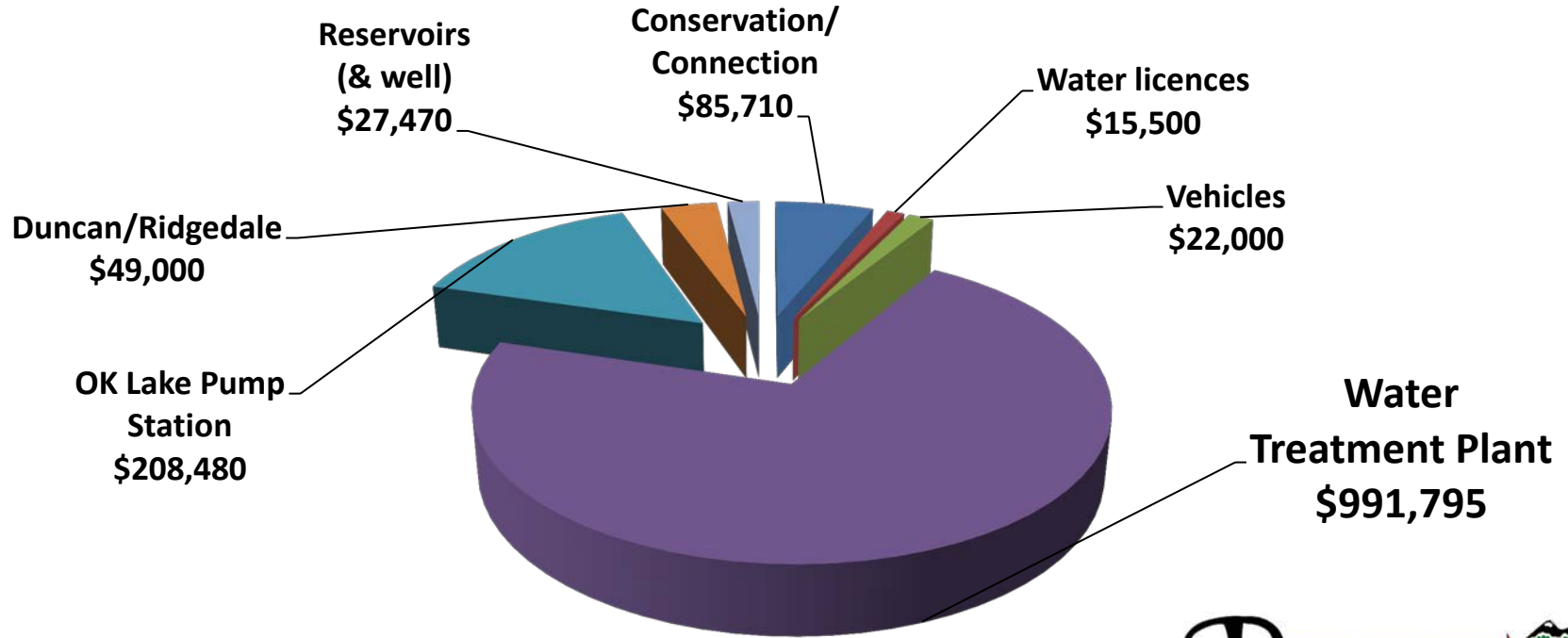
FTE Adjustment +0.5

50% increase due to budget reallocation of water conservation and cross-connection duties

Budget Features

- Energy and Chemical costs are anticipated to increase.
- Additional demands anticipated for West Bench and Sendero development areas.
- Will not run the West Bench Water system after 2013.
- Increase effort required for cross-connection control.

WTP 2014 Operating Budget Highlights



Engineering WTP 2014 Operating Budget

Description	2014	Variance from 2013	2013	2013 Projected
CROSS CONNECTION & CONSERVATION	\$85,710	\$35,910	\$49,800	\$40,800
WATER LICENCES	\$15,500	0	\$15,500	\$15,000
VEHICLES	\$22,000	\$2,750	\$19,250	\$19,250
WEST BENCH	RDOS	(\$32,450)	\$32,450	\$32,450
WATER TREATMENT PLANT	\$991,795	\$45,745	\$946,050	\$824,700
OK LAKE PUMP STATION	\$208,480	\$12,380	\$196,100	\$193,300
DUNCAN AND RIDGEDALE RESERVOIRS AND PUMP STATIONS	\$49,000	\$3,150	\$45,850	\$43,650
RESERVOIRS & WARREN AVE WELL	\$27,470	(\$280)	\$27,750	\$21,350
TOTALS	\$1,399,955	\$67,205	\$1,332,750	\$1,190,500

2014 Operating Budget

Engineering

Questions?