

Project Cost Allocation Summary

Background

| | | | |
|---------------------------------|--------------------|---------------|---|
| Project No | 522/519 | Activity | Water Supply |
| Project Name | Replacement Wells | | |
| Project Manager | City Water & Waste | | |
| Year first spend on the project | 2005 | Project Scope | Consenting, Design & Construction for replacement of 9 wells. |
| Year of first cost allocation | 2007 | | |
| Year of current cost allocation | 2007 | | |
| Project cost | \$3,870,875 | | |

Level of Service Definitions

| | | | |
|-----------------------|--------|---------------------|---|
| Measure | m3/hr | Primary Driver | Replacement of Wells that have reached the end of their useful life |
| Existing Capacity | 1315.0 | | |
| Existing Demand | 1315.0 | | |
| Total Capacity | 2250.0 | Secondary Driver | Provision of additional capacity for growth |
| Design Capacity Year | 2018 | | |
| End of Life Year | 2070 | | |
| Backlog Capacity | 0 | Capacity Discussion | Existing capacity is the known capacity of the wells that are planned for replacement. Total planned capacity is estimated at 250m3/hr, the average capacity of recently completed wells. |
| Growth Capacity | 935 | | |
| New Work Capacity | 935 | | |
| % Backlog of New Work | 0 | References | Water Supply Asset Management Plan |
| % Growth of New Work | 100 | | |

Localities:

| locality | percentage | comment |
|-------------|------------|-------------------|
| Hagley Park | 100 | City Wide Project |

Operations and Maintenance

| | |
|----------------|-----|
| O&M Cost Share | \$0 |
|----------------|-----|

Renewal

| | | | |
|--------------------------|-------------|---------------|--|
| Stand Alone Renewal Cost | \$1,680,000 | Renewal Scope | Have used total replacement cost and average installation year for the 9 wells |
|--------------------------|-------------|---------------|--|

New Works

| | | | |
|----------------------------|-------------|-----------------|--|
| Stand Alone New Works Cost | \$984,000 | New Works Scope | Replacement wells will provide a total additional capacity of 935 m3/hr. This is equivalent to 4 new wells @ 250m3/hr (average capacity of recently completed wells) |
| Renewal Cost Share | \$1,680,000 | | |
| New Work Cost Share | \$984,000 | | |

Preliminary Cost Shares

| | |
|--------------------|-------------|
| Backlog Cost Share | \$0 |
| Growth Cost Share | \$2,190,875 |

Growth project

| | | | |
|-------------------------|-------------|----------------------|---|
| Stand Alone Growth Cost | \$2,784,000 | Growth Project Scope | Replacement wells will provide a total additional capacity for growth of 935 m3/hr. This is equivalent to 4 new wells @ 250m3/hr (average capacity of recently completed wells) |
| Growth Cap | \$3,062,400 | | |

Unallocated costs

| | |
|------------------------|-----|
| Unallocated Cost Share | \$0 |
|------------------------|-----|

Project funding

| | |
|------------------|-----|
| External Funding | \$0 |
|------------------|-----|

Summary of Cost Allocation

| | % | Total Cost | Net Cost |
|------------------|-------|-------------|-------------|
| O&M | | \$0 | \$0 |
| Renewal | 43.4% | \$1,680,000 | \$1,680,000 |
| Backlog | 0% | \$0 | \$0 |
| Growth | 56.6% | \$2,190,875 | \$2,190,875 |
| Unallocated | 0% | \$0 | \$0 |
| External Funding | | | \$0 |
| Project Total | 100% | \$3,870,875 | \$3,870,875 |