

***Appendix B***  
***Pipeline Configurations***

PIPELINE CONFIGURATIONS

| WATER<br>PARK<br>CK LID | WATER<br>PARK<br>CK ML | STAGE | ROUTE | YEAR         |              | DIA | CHGE | CHGE  | LENGTH | DIA | CHGE  | CHGE  | LENGTH | DIA | CHGE | CHGE  | LENGTH | DIA   | CHGE | CHGE | LENGTH | YEAR | PUMP ST<br>CHGE | PUMP ST FLOW<br>CHGE | HEAD | KW   | PUMP ST FLOW<br>CHGE | HEAD  | KW    | PUMP ST FLOW<br>CHGE | HEAD | KW  | ROUTE |    |     |
|-------------------------|------------------------|-------|-------|--------------|--------------|-----|------|-------|--------|-----|-------|-------|--------|-----|------|-------|--------|-------|------|------|--------|------|-----------------|----------------------|------|------|----------------------|-------|-------|----------------------|------|-----|-------|----|-----|
|                         |                        |       |       | 2026<br>FLOW | 2036<br>FLOW |     |      |       |        |     |       |       |        |     |      |       |        |       |      |      |        |      |                 |                      |      |      |                      |       |       |                      |      |     |       |    |     |
| 17                      | 2400                   | 1     | 1A    | 271          | 554          | 750 | 0    | 22000 | 22000  | 600 | 22000 | 27200 | 5200   |     |      |       |        |       |      |      |        |      | 2006            | 1500                 | 271  | 62.3 | 256                  |       |       |                      |      |     | 1A    |    |     |
|                         |                        | 2     | 2A    | 305          | 603          | 600 | 0    | 8500  | 8500   | 750 | 8500  | 12000 | 3500   |     |      |       |        |       |      |      |        |      |                 | 1500                 | 154  | 62.5 | 601                  | 18000 | 235   | 211                  |      |     |       | 2A |     |
| 17                      | 2400                   | 1     | 3A    | 305          | 603          | 600 | 0    | 19507 | 19507  | 600 | 19507 | 57307 | 37800  |     |      |       |        |       |      |      |        |      |                 | 1500                 | 305  | 72.2 | 300                  | 20507 | 235   | 377                  | 124  |     |       | 3A |     |
| 17                      | 2400                   | 2     | 4A    | 271          | 554          | 750 | 0    | 32550 | 32550  | 600 | 32550 | 32550 |        |     |      |       |        |       |      |      |        |      |                 | 1500                 | 271  | 64.3 | 244                  |       |       |                      |      |     | 4A    |    |     |
| 17                      | 2400                   | 2     | 5A    | 305          | 603          | 600 | 0    | 8500  | 8500   | 750 | 8500  | 42000 | 35000  |     |      |       |        |       |      |      |        |      |                 | 1500                 | 305  | 72.2 | 300                  | 20507 | 235   | 377                  | 124  |     |       | 5A |     |
| 17                      | 4100                   | 1     | 1A    | 190          | 190          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 17000 | 19200  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 197  | 63                   | 175   |       |                      |      |     |       | 1A |     |
| 17                      | 4100                   | 2     | 2A    | 235          | 473          | 600 | 0    | 8500  | 8500   | 600 | 8500  | 35200 | 26700  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 483  | 109.3                | 967   |       |                      |      |     |       | 2A |     |
| 17                      | 4100                   | 2     | 3A    | 235          | 473          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 19200 | 26700  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 197  | 63                   | 175   |       |                      |      |     |       | 3A |     |
| 17                      | 4100                   | 2     | 4A    | 232          | 467          | 600 | 0    | 19507 | 19507  | 600 | 19507 | 57307 | 37800  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 232  | 68.8                 | 330   | 18000 | 429                  | 75.2 |     |       |    | 4A  |
| 17                      | 4100                   | 2     | 5A    | 232          | 467          | 750 | 0    | 19507 | 19507  | 600 | 19507 | 19200 | 37800  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 197  | 63                   | 175   |       |                      |      |     |       | 5A |     |
| 17                      | 4100                   | 2     | 6A    | 232          | 467          | 600 | 0    | 32550 | 32550  | 600 | 32550 | 32550 |        |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 232  | 68.8                 | 330   | 22200 | 429                  | 36.8 |     |       |    | 6A  |
| 17                      | 4100                   | 2     | 7A    | 232          | 467          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 42000 | 35000  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 232  | 68.8                 | 330   | 18000 | 429                  | 93.1 |     |       |    | 7A  |
| 34                      | 4490                   | 1     | 1A    | 172          | 456          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 27200 | 22200  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 172  | 64.4                 | 156   |       |                      |      |     |       | 1A |     |
| 34                      | 4490                   | 2     | 2A    | 206          | 496          | 600 | 0    | 8500  | 8500   | 600 | 8500  | 35200 | 26700  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 456  | 110.5                | 548   |       |                      |      |     |       | 2A |     |
| 34                      | 4490                   | 2     | 3A    | 206          | 496          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 19200 | 26700  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 206  | 64.6                 | 167   | 18000 | 410                  | 63.1 |     |       |    | 3A  |
| 34                      | 4490                   | 2     | 4A    | 172          | 456          | 600 | 0    | 19507 | 19507  | 600 | 19507 | 57307 | 37800  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 172  | 64.6                 | 166   | 20507 | 410                  | 50.3 | 73  |       |    | 4A  |
| 34                      | 4490                   | 2     | 5A    | 206          | 496          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 42000 | 35000  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 206  | 64.6                 | 166   | 22200 | 410                  | 31.1 | 179 |       |    | 5A  |
| 34                      | 4490                   | 2     | 6A    | 206          | 496          | 600 | 0    | 32550 | 32550  | 600 | 32550 | 32550 |        |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 206  | 64.6                 | 166   | 18000 | 410                  | 63.1 | 305 |       |    | 6A  |
| 34                      | 7770                   | 1     | 1A    | 239          | 599          | 600 | 0    | 8750  | 8750   | 600 | 8750  | 13000 | 3235   |     | 525  | 13000 | 27200  | 14200 |      |      |        |      |                 |                      | 1500 | 239  | 69                   | 273   |       |                      |      |     |       | 1A |     |
| 34                      | 7770                   | 2     | 2A    | 240          | 600          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 18000 | 9500   |     | 525  | 18000 | 35200  | 17200 |      |      |        |      |                 |                      | 1500 | 240  | 35.4                 | 401   | 18000 | 254                  | 31   |     |       |    | 2A  |
| 34                      | 7770                   | 2     | 3A    | 240          | 600          | 600 | 0    | 19507 | 19507  | 600 | 19507 | 57307 | 37800  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 240  | 64.6                 | 167   | 20507 | 254                  | 39.3 | 141 |       |    | 3A  |
| 34                      | 7770                   | 2     | 4A    | 239          | 599          | 600 | 0    | 8750  | 8750   | 600 | 8750  | 32500 | 22800  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 239  | 78.6                 | 300   | 22200 | 254                  | 18.9 | 67  |       |    | 4A  |
| 34                      | 7770                   | 2     | 5A    | 240          | 600          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 42000 | 35000  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 240  | 35.4                 | 401   | 18000 | 254                  | 31   | 52  |       |    | 5A  |
| 35                      | 2620                   | 1     | 1A    | 261          | 544          | 750 | 0    | 18000 | 18000  | 600 | 18000 | 27200 | 8200   |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 261  | 63.3                 | 211   |       |                      |      |     |       |    | 1A  |
| 35                      | 2620                   | 2     | 2A    | 295          | 593          | 600 | 0    | 8500  | 8500   | 750 | 8500  | 14000 | 5500   |     | 600  | 14000 | 35200  | 21200 |      |      |        |      |                 |                      | 1500 | 244  | 37.8                 | 407   |       |                      |      |     |       | 2A |     |
| 35                      | 2620                   | 2     | 3A    | 295          | 593          | 750 | 0    | 19507 | 19507  | 600 | 19507 | 42307 | 22800  |     | 600  | 42307 | 57307  | 15000 |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 18000 | 225                  | 111  | 3   |       |    | 3A  |
| 35                      | 2620                   | 2     | 4A    | 261          | 544          | 600 | 0    | 32550 | 32550  | 600 | 32550 | 32550 |        |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 261  | 64.3                 | 216   |       |                      |      |     |       |    | 4A  |
| 35                      | 2620                   | 2     | 5A    | 295          | 593          | 750 | 0    | 8500  | 8500   | 750 | 8500  | 17000 | 8500   |     | 600  | 17000 | 42000  | 23000 |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 18000 | 225                  | 111  | 3   |       |    | 5A  |
| 35                      | 2620                   | 2     | 6A    | 295          | 593          | 600 | 0    | 19507 | 19507  | 600 | 19507 | 57307 | 37800  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 20507 | 225                  | 111  | 3   |       |    | 6A  |
| 35                      | 2620                   | 2     | 7A    | 295          | 593          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 35200 | 26700  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 18000 | 225                  | 111  | 3   |       |    | 7A  |
| 35                      | 2620                   | 2     | 8A    | 295          | 593          | 600 | 0    | 32550 | 32550  | 600 | 32550 | 32550 |        |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 22200 | 225                  | 111  | 3   |       |    | 8A  |
| 35                      | 2620                   | 2     | 9A    | 295          | 593          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 42000 | 35000  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 18000 | 225                  | 111  | 3   |       |    | 9A  |
| 35                      | 2620                   | 2     | 10A   | 295          | 593          | 600 | 0    | 19507 | 19507  | 600 | 19507 | 57307 | 37800  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 20507 | 225                  | 111  | 3   |       |    | 10A |
| 35                      | 2620                   | 2     | 11A   | 295          | 593          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 35200 | 26700  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 18000 | 225                  | 111  | 3   |       |    | 11A |
| 35                      | 2620                   | 2     | 12A   | 295          | 593          | 600 | 0    | 32550 | 32550  | 600 | 32550 | 32550 |        |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 22200 | 225                  | 111  | 3   |       |    | 12A |
| 35                      | 2620                   | 2     | 13A   | 295          | 593          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 42000 | 35000  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 18000 | 225                  | 111  | 3   |       |    | 13A |
| 35                      | 2620                   | 2     | 14A   | 295          | 593          | 600 | 0    | 19507 | 19507  | 600 | 19507 | 57307 | 37800  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 20507 | 225                  | 111  | 3   |       |    | 14A |
| 35                      | 2620                   | 2     | 15A   | 295          | 593          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 35200 | 26700  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 18000 | 225                  | 111  | 3   |       |    | 15A |
| 35                      | 2620                   | 2     | 16A   | 295          | 593          | 600 | 0    | 32550 | 32550  | 600 | 32550 | 32550 |        |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 22200 | 225                  | 111  | 3   |       |    | 16A |
| 35                      | 2620                   | 2     | 17A   | 295          | 593          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 42000 | 35000  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 18000 | 225                  | 111  | 3   |       |    | 17A |
| 35                      | 2620                   | 2     | 18A   | 295          | 593          | 600 | 0    | 19507 | 19507  | 600 | 19507 | 57307 | 37800  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 20507 | 225                  | 111  | 3   |       |    | 18A |
| 35                      | 2620                   | 2     | 19A   | 295          | 593          | 750 | 0    | 8500  | 8500   | 600 | 8500  | 35200 | 26700  |     |      |       |        |       |      |      |        |      |                 |                      | 1500 | 295  | 69.3                 | 298   | 18000 | 225                  | 111  | 3   |       |    | 19A |
| 35                      | 2620                   | 2     | 20A   | 295          | 593          | 600 | 0    | 32550 | 32550  | 600 | 32550 | 32550 |        |     |      |       |        |       |      |      |        |      |                 |                      |      |      |                      |       |       |                      |      |     |       |    |     |