

| October 2015 Memo |        | Modeled Available Groundwater |          |           |        |        |        |        |        |        |        | Drawdown |      |      |      |      |      |      |
|-------------------|--------|-------------------------------|----------|-----------|--------|--------|--------|--------|--------|--------|--------|----------|------|------|------|------|------|------|
| Run               | Date   | Aquifer                       | District | County    | 2015   | 2016   | 2020   | 2030   | 2040   | 2050   | 2062   | 2070     | 2020 | 2030 | 2040 | 2050 | 2062 | 2070 |
| 50-50             | Aug-15 | Ogallala                      | PGCD     | Armstrong | 7,495  | 57,669 | 58,142 | 53,413 | 48,300 | 43,459 | 38,076 | 34,777   | 6    | 16   | 26   | 34   | 42   | 47   |
| 50-50             | Aug-15 | Ogallala                      | PGCD     | Potter    | 7,349  | 15,775 | 17,014 | 15,818 | 14,480 | 13,181 | 11,635 | 10,670   | 3    | 7    | 11   | 14   | 17   | 19   |
| 50-50             | Aug-15 | Ogallala                      | No GCD   | Randall   | 18,039 | 30,787 | 32,072 | 30,828 | 28,258 | 25,099 | 21,298 | 18,900   | 4    | 10   | 15   | 20   | 25   | 28   |
| 50-50             | Aug-15 | Ogallala                      | HPUWCD   | Armstrong | 1,073  | 1,215  | 1,943  | 1,824  | 1,727  | 1,617  | 1,408  | 1,188    | 2    | 5    | 8    | 10   | 12   | 13   |
| 50-50             | Aug-15 | Ogallala                      | HPUWCD   | Potter    | 149    | 3,390  | 3,914  | 4,314  | 4,252  | 3,979  | 3,592  | 3,300    | 4    | 11   | 18   | 24   | 30   | 33   |
| 50-50             | Aug-15 | Ogallala                      | HPUWCD   | Randall   | 26,175 | 40,357 | 42,226 | 39,627 | 35,960 | 31,852 | 27,242 | 24,598   | 4    | 10   | 15   | 20   | 25   | 27   |

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|-----------------|--------|-------------------------------|----------|-----------|--------|--------|--------|--------|--------|--------|--------|----------|------|------|------|------|------|------|
| Run             | Date   | Aquifer                       | District | County    | 2016   | 2017   | 2020   | 2030   | 2040   | 2050   | 2062   | 2070     | 2020 | 2030 | 2040 | 2050 | 2062 | 2070 |
| 50-50           | Mar-16 | Ogallala                      | PGCD     | Armstrong | 7,495  | 57,976 | 58,602 | 53,821 | 48,653 | 43,765 | 38,353 | 35,069   | 6    | 16   | 26   | 34   | 42   | 47   |
| 50-50           | Mar-16 | Ogallala                      | PGCD     | Potter    | 7,789  | 16,399 | 17,742 | 16,538 | 15,142 | 13,794 | 12,209 | 11,220   | 3    | 7    | 10   | 14   | 17   | 18   |
| Drawdown        | Mar-16 | Ogallala                      | No GCD   | Randall   | 18,143 | 23,890 | 24,894 | 23,950 | 21,969 | 19,529 | 16,578 | 14,711   | 3    | 8    | 12   | 16   | 19   | 21   |
| Drawdown        | Mar-16 | Ogallala                      | HPUWCD   | Armstrong | 1,202  | 1,416  | 2,206  | 2,059  | 1,922  | 1,784  | 1,553  | 1,327    | 3    | 6    | 9    | 12   | 15   | 16   |
| Drawdown        | Mar-16 | Ogallala                      | HPUWCD   | Potter    | 149    | 3      | 3      | 4      | 4      | 3      | 3      | 3        | 2    | 4    | 7    | 10   | 13   | 15   |
| Drawdown        | Mar-16 | Ogallala                      | HPUWCD   | Randall   | 26,384 | 32,126 | 33,612 | 31,531 | 28,609 | 25,338 | 21,669 | 19,565   | 3    | 8    | 12   | 16   | 20   | 21   |

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| Run               | Date   | Aquifer                       | District | County    | 2015  | 2016   | 2020   | 2030   | 2040   | 2050   | 2062   | 2070     | 2020 | 2030 | 2040 | 2050 | 2062 | 2070 |
| 50-50             | Aug-15 | Dockum                        | PGCD     | Armstrong | 138   | 9,906  | 12,495 | 13,315 | 13,442 | 13,152 | 12,842 | 12,842   | 5    | 14   | 23   | 31   | 39   | 44   |
| 50-50             | Aug-15 | Dockum                        | PGCD     | Potter    | 914   | 54,040 | 54,323 | 51,441 | 47,922 | 43,830 | 41,202 | 41,202   | 5    | 14   | 22   | 30   | 37   | 42   |
| 50-50             | Aug-15 | Dockum                        | No GCD   | Randall   | 1,006 | 13,404 | 16,819 | 17,769 | 17,860 | 17,569 | 17,195 | 17,195   | 8    | 19   | 29   | 38   | 47   | 53   |
| 50-50             | Aug-15 | Dockum                        | HPUWCD   | Armstrong | 33    | 56     | 0      | 0      | 0      | 0      | 0      | 0        | 1    | 5    | 9    | 15   | 21   | 26   |
| 50-50             | Aug-15 | Dockum                        | HPUWCD   | Potter    | 434   | 12     | 0      | 0      | 0      | 0      | 0      | 0        | 3    | 11   | 21   | 31   | 41   | 48   |
| 50-50             | Aug-15 | Dockum                        | HPUWCD   | Randall   | 1,597 | 1,291  | 1,596  | 1,742  | 1,830  | 1,899  | 1,934  | 1,934    | 7    | 15   | 22   | 29   | 37   | 41   |

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| Run             | Date   | Aquifer                       | District | County    | 2016  | 2017   | 2020   | 2030   | 2040   | 2050   | 2062   | 2070     | 2020 | 2030 | 2040 | 2050 | 2062 | 2070 |
| 30' Drawdown    | Mar-16 | Dockum                        | PGCD     | Armstrong | 138   | 5,658  | 7,150  | 9,032  | 9,628  | 9,718  | 9,507  | 9,283    | 5    | 13   | 20   | 27   | 34   | 38   |
| 30' Drawdown    | Mar-16 | Dockum                        | PGCD     | Potter    | 914   | 32,028 | 38,915 | 39,118 | 37,041 | 34,507 | 31,560 | 29,667   | 4    | 10   | 16   | 21   | 26   | 29   |
| Drawdown        | Mar-16 | Dockum                        | No GCD   | Randall   | 1,006 | 6,320  | 9,007  | 11,302 | 11,941 | 12,002 | 11,806 | 11,555   | 7    | 15   | 24   | 31   | 40   | 45   |
| Drawdown        | Mar-16 | Dockum                        | HPUWCD   | Armstrong | 33    | 166    | 96     | 0      | 0      | 0      | 0      | 0        | 1    | 3    | 7    | 11   | 15   | 18   |
| Drawdown        | Mar-16 | Dockum                        | HPUWCD   | Potter    | 434   | 29     | 21     | 0      | 0      | 0      | 0      | 0        | 3    | 9    | 16   | 24   | 32   | 37   |
| Drawdown        | Mar-16 | Dockum                        | HPUWCD   | Randall   | 1,597 | 1,575  | 2,495  | 2,714  | 2,961  | 3,111  | 3,228  | 3,289    | 9    | 19   | 28   | 36   | 45   | 49   |

| October 2015 Memo |        | Acre-feet in Storage |          |           |           |           |           |           |           |           |           | Fraction Remaining in Storage |      |      |      |      |      |      |
|-------------------|--------|----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------------------|------|------|------|------|------|------|
| Run               | Date   | Aquifer              | District | County    | 2015      | 2016      | 2020      | 2030      | 2040      | 2050      | 2062      | 2070                          | 2020 | 2030 | 2040 | 2050 | 2062 | 2070 |
| 50-50             | Aug-15 | Ogallala             | PGCD     | Armstrong | 4,418,832 | 4,390,631 | 4,102,156 | 3,563,995 | 3,081,428 | 2,653,393 | 2,209,786 | 1,954,572                     | 0.93 | 0.81 | 0.7  | 0.6  | 0.5  | 0.5  |
| 50-50             | Aug-15 | Ogallala             | PGCD     | Potter    | 1,610,450 | 1,579,049 | 1,483,016 | 1,301,899 | 1,140,961 | 1,000,542 | 857,006   | 775,502                       | 0.92 | 0.81 | 0.71 | 0.62 | 0.53 | 0.53 |
| 50-50             | Aug-15 | Ogallala             | No GCD   | Randall   | 2,265,936 | 2,221,860 | 2,085,588 | 1,822,826 | 1,582,383 | 1,367,926 | 1,146,575 | 1,021,248                     | 0.92 | 0.8  | 0.7  | 0.6  | 0.51 | 0.51 |
| 50-50             | Aug-15 | Ogallala             | HPUWCD   | Armstrong | 169,520   | 164,755   | 154,644   | 133,531   | 116,338   | 103,142   | 90,374    | 84,144                        | 0.91 | 0.79 | 0.69 | 0.61 | 0.53 | 0.53 |
| 50-50             | Aug-15 | Ogallala             | HPUWCD   | Potter    | 334,379   | 331,600   | 310,270   | 266,906   | 226,671   | 191,120   | 155,027   | 134,879                       | 0.93 | 0.8  | 0.68 | 0.57 | 0.46 | 0.46 |
| 50-50             | Aug-15 | Ogallala             | HPUWCD   | Randall   | 2,570,084 | 2,523,203 | 2,364,594 | 2,049,833 | 1,766,669 | 1,522,653 | 1,281,089 | 1,148,236                     | 0.92 | 0.8  | 0.69 | 0.59 | 0.5  | 0.5  |