

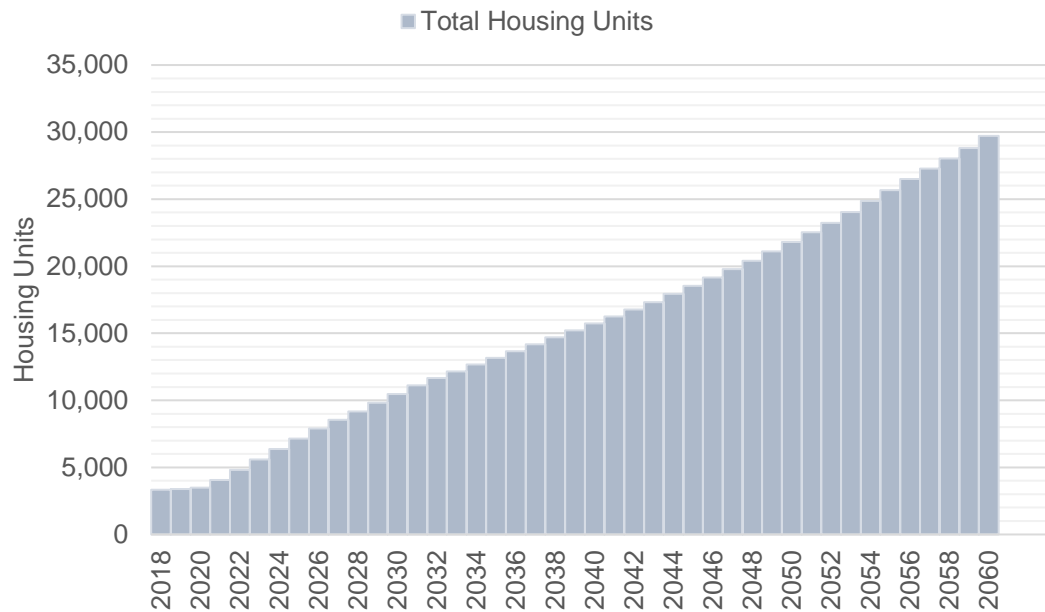
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## Central Arizona Project Service Area Model

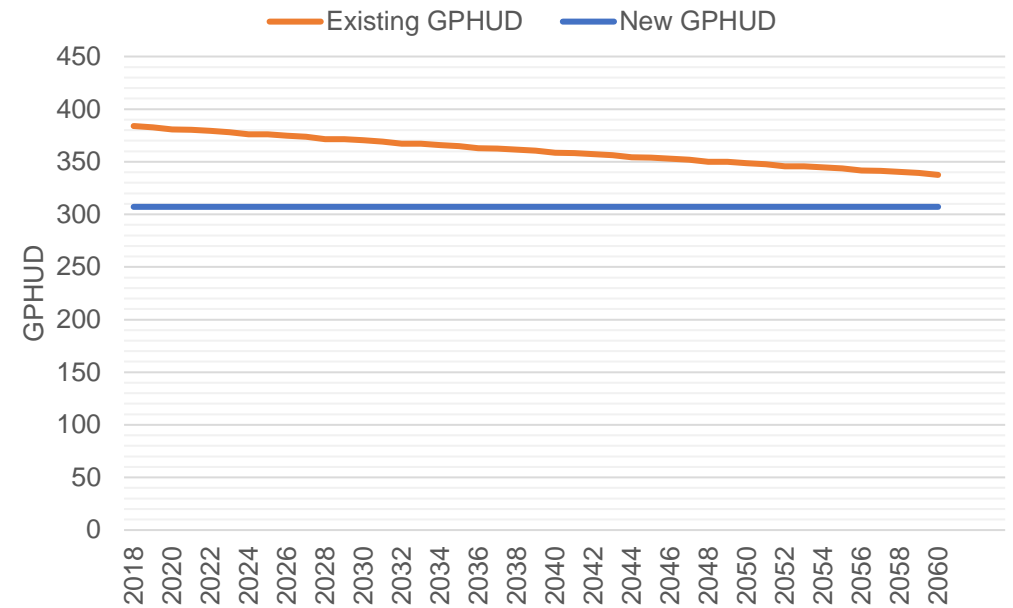
### A. Highest Demand [EMSBS]

*High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015*

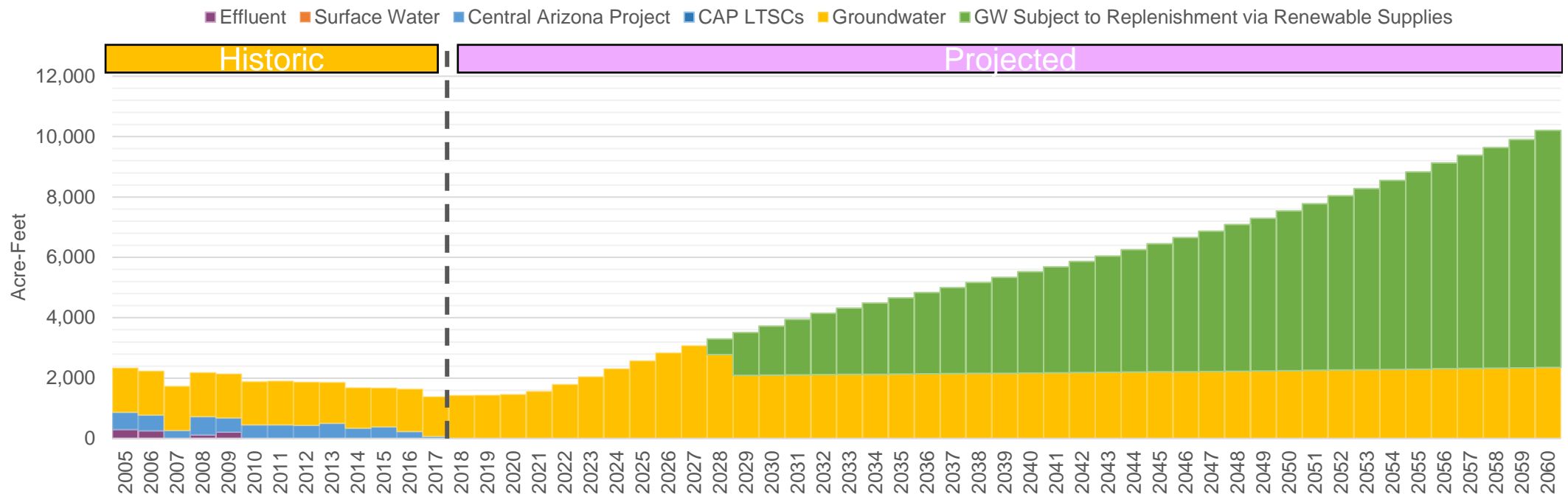
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



# Central Arizona Project Service Area Model

## A. Highest Demand [EMSBS]

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| Demand Assumptions |               |     |          |     | Water Supply Projections (Acre-Feet) |               |         |                         |     |         |          |             |             |         |
|--------------------|---------------|-----|----------|-----|--------------------------------------|---------------|---------|-------------------------|-----|---------|----------|-------------|-------------|---------|
| Date               | Housing Units |     | GPHUD    |     | Effluent                             | Surface Water |         | Central Arizona Project |     |         |          | Groundwater |             | Unknown |
|                    | Total         | SRP | Existing | New |                                      | SRP           | Non-SRP | Direct                  | ASR | Storage | Recovery | Non-Repl.   | Replenished |         |
| 2018               | 3,328         | 0   | 384      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,425       | 0           | 0       |
| 2019               | 3,399         | 0   | 383      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,437       | 0           | 0       |
| 2020               | 3,478         | 0   | 381      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,459       | 0           | 0       |
| 2021               | 4,060         | 0   | 381      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,568       | 0           | 0       |
| 2022               | 4,815         | 0   | 379      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,794       | 0           | 0       |
| 2023               | 5,584         | 0   | 378      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,052       | 0           | 0       |
| 2024               | 6,359         | 0   | 376      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,316       | 0           | 0       |
| 2025               | 7,140         | 0   | 376      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,577       | 0           | 0       |
| 2026               | 7,898         | 0   | 375      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,837       | 0           | 0       |
| 2027               | 8,540         | 0   | 374      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,074       | 0           | 0       |
| 2028               | 9,183         | 0   | 372      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,781       | 515         | 0       |
| 2029               | 9,826         | 0   | 371      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,088       | 1,420       | 0       |
| 2030               | 10,469        | 0   | 370      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,096       | 1,629       | 0       |
| 2031               | 11,112        | 0   | 369      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,105       | 1,837       | 0       |
| 2032               | 11,656        | 0   | 367      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,114       | 2,036       | 0       |
| 2033               | 12,160        | 0   | 367      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,122       | 2,197       | 0       |
| 2034               | 12,663        | 0   | 366      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,129       | 2,359       | 0       |
| 2035               | 13,168        | 0   | 365      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,136       | 2,522       | 0       |
| 2036               | 13,673        | 0   | 363      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,142       | 2,694       | 0       |
| 2037               | 14,180        | 0   | 363      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,149       | 2,847       | 0       |
| 2038               | 14,694        | 0   | 362      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,156       | 3,013       | 0       |
| 2039               | 15,209        | 0   | 360      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,163       | 3,179       | 0       |
| 2040               | 15,725        | 0   | 358      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,170       | 3,357       | 0       |
| 2041               | 16,242        | 0   | 358      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,177       | 3,511       | 0       |
| 2042               | 16,761        | 0   | 357      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,184       | 3,679       | 0       |
| 2043               | 17,323        | 0   | 356      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,191       | 3,854       | 0       |
| 2044               | 17,933        | 0   | 354      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,198       | 4,058       | 0       |
| 2045               | 18,546        | 0   | 354      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,206       | 4,243       | 0       |
| 2046               | 19,160        | 0   | 353      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,214       | 4,442       | 0       |
| 2047               | 19,777        | 0   | 352      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,222       | 4,642       | 0       |
| 2048               | 20,396        | 0   | 350      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,231       | 4,858       | 0       |
| 2049               | 21,095        | 0   | 350      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,240       | 5,056       | 0       |
| 2050               | 21,807        | 0   | 349      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,248       | 5,286       | 0       |
| 2051               | 22,523        | 0   | 348      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,257       | 5,519       | 0       |
| 2052               | 23,242        | 0   | 346      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,267       | 5,770       | 0       |
| 2053               | 24,045        | 0   | 346      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,278       | 6,000       | 0       |
| 2054               | 24,863        | 0   | 345      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,287       | 6,265       | 0       |
| 2055               | 25,685        | 0   | 344      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,298       | 6,532       | 0       |
| 2056               | 26,511        | 0   | 342      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,309       | 6,822       | 0       |
| 2057               | 27,274        | 0   | 341      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,321       | 7,058       | 0       |
| 2058               | 28,040        | 0   | 340      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,331       | 7,308       | 0       |
| 2059               | 28,811        | 0   | 339      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,342       | 7,558       | 0       |
| 2060               | 29,718        | 0   | 338      | 307 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,352       | 7,857       | 0       |

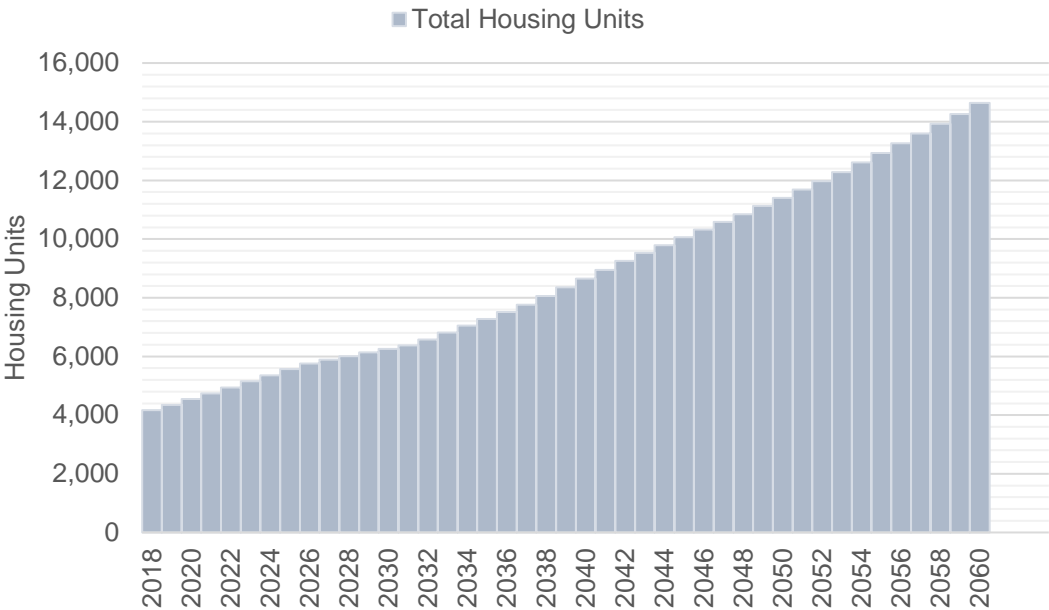
Central Arizona Project Service Area Model

Florence

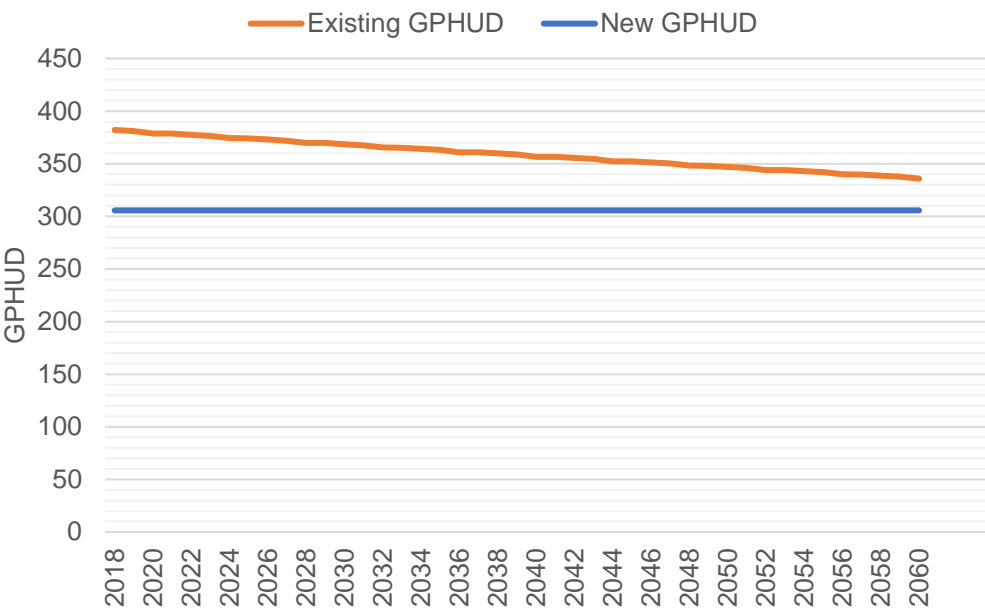
A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015

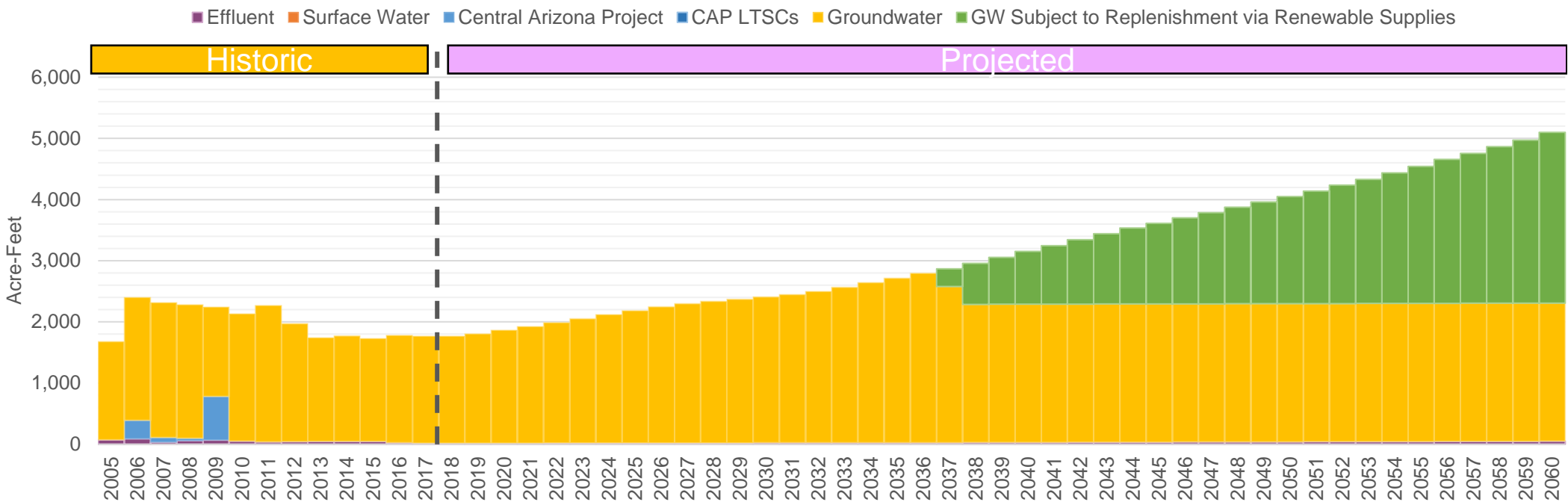
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



Central Arizona Project Service Area Model

A. Highest Demand [EMSBS]

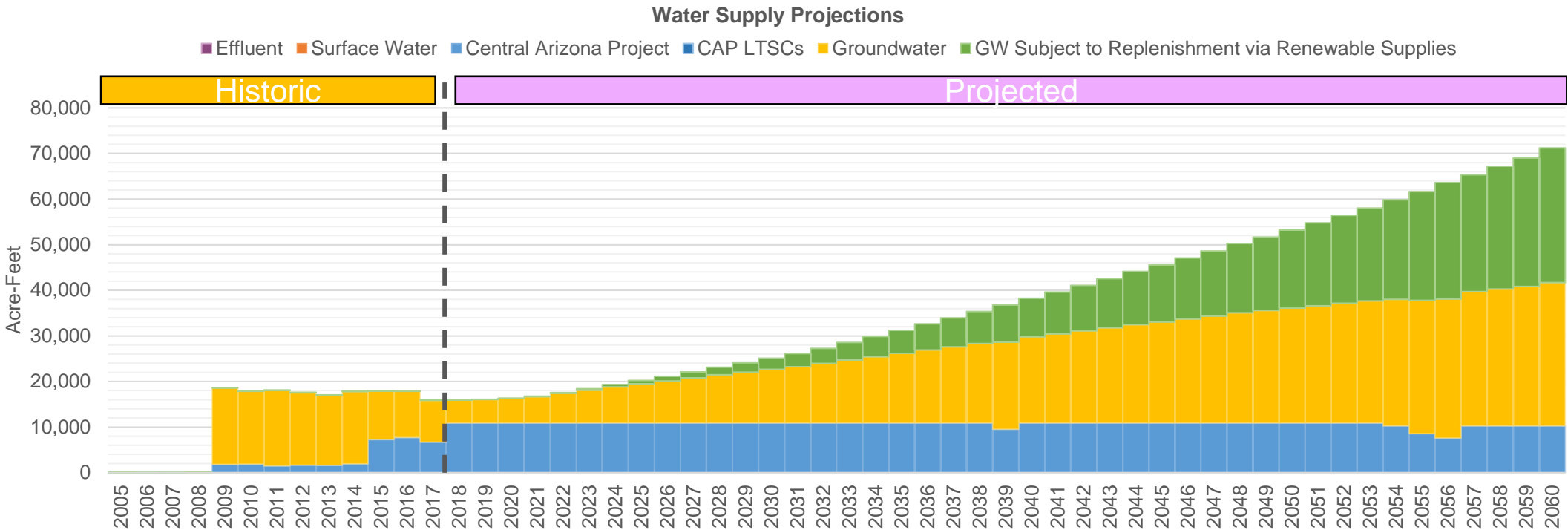
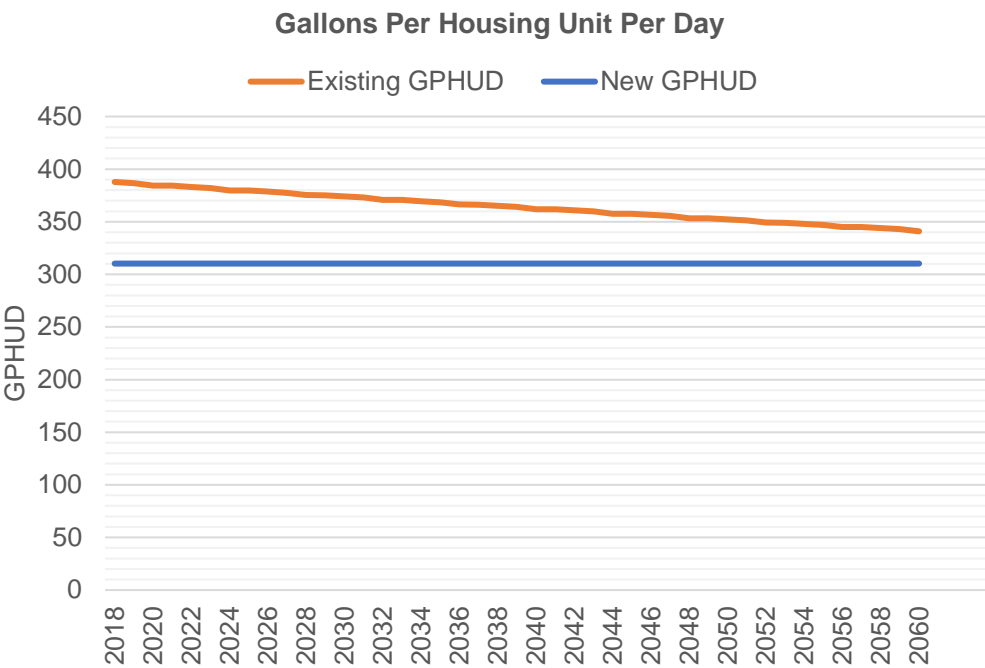
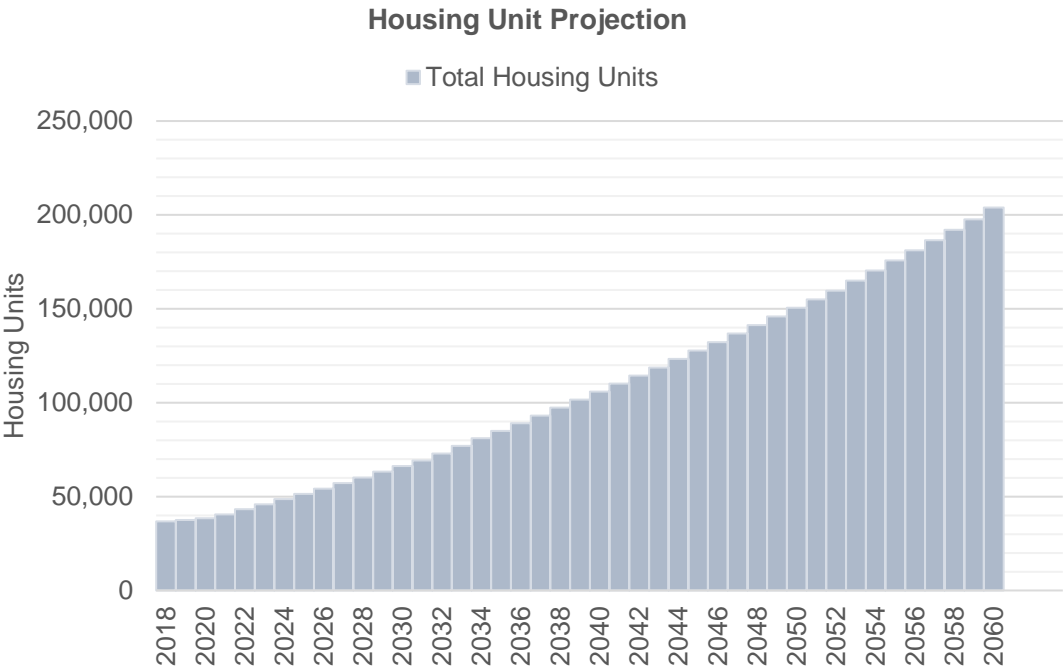
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| Demand Assumptions |               |     |          |     | Water Supply Projections (Acre-Feet) |               |         |                         |     |         |          |             |             |         |
|--------------------|---------------|-----|----------|-----|--------------------------------------|---------------|---------|-------------------------|-----|---------|----------|-------------|-------------|---------|
| Date               | Housing Units |     | GPHUD    |     | Effluent                             | Surface Water |         | Central Arizona Project |     |         |          | Groundwater |             | Unknown |
|                    | Total         | SRP | Existing | New |                                      | SRP           | Non-SRP | Direct                  | ASR | Storage | Recovery | Non-Repl.   | Replenished |         |
| 2018               | 4,174         | 0   | 382      | 306 | 18                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 1,752       | 0           | 0       |
| 2019               | 4,348         | 0   | 381      | 306 | 18                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 1,787       | 0           | 0       |
| 2020               | 4,543         | 0   | 379      | 306 | 18                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 1,846       | 0           | 0       |
| 2021               | 4,742         | 0   | 379      | 306 | 19                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 1,907       | 0           | 0       |
| 2022               | 4,944         | 0   | 378      | 306 | 20                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 1,969       | 0           | 0       |
| 2023               | 5,151         | 0   | 376      | 306 | 20                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,034       | 0           | 0       |
| 2024               | 5,359         | 0   | 374      | 306 | 21                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,100       | 0           | 0       |
| 2025               | 5,568         | 0   | 374      | 306 | 22                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,164       | 0           | 0       |
| 2026               | 5,763         | 0   | 373      | 306 | 22                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,228       | 0           | 0       |
| 2027               | 5,886         | 0   | 372      | 306 | 23                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,276       | 0           | 0       |
| 2028               | 6,009         | 0   | 370      | 306 | 23                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,315       | 0           | 0       |
| 2029               | 6,133         | 0   | 370      | 306 | 24                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,350       | 0           | 0       |
| 2030               | 6,256         | 0   | 369      | 306 | 24                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,387       | 0           | 0       |
| 2031               | 6,379         | 0   | 367      | 306 | 25                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,423       | 0           | 0       |
| 2032               | 6,580         | 0   | 365      | 306 | 25                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,475       | 0           | 0       |
| 2033               | 6,813         | 0   | 365      | 306 | 25                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,542       | 0           | 0       |
| 2034               | 7,047         | 0   | 364      | 306 | 26                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,616       | 0           | 0       |
| 2035               | 7,280         | 0   | 363      | 306 | 27                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,690       | 0           | 0       |
| 2036               | 7,514         | 0   | 361      | 306 | 28                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,767       | 0           | 0       |
| 2037               | 7,757         | 0   | 361      | 306 | 28                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,551       | 289         | 0       |
| 2038               | 8,055         | 0   | 360      | 306 | 29                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 668         | 0       |
| 2039               | 8,353         | 0   | 359      | 306 | 30                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 764         | 0       |
| 2040               | 8,652         | 0   | 357      | 306 | 31                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 865         | 0       |
| 2041               | 8,952         | 0   | 357      | 306 | 32                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 957         | 0       |
| 2042               | 9,252         | 0   | 356      | 306 | 33                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,054       | 0       |
| 2043               | 9,534         | 0   | 354      | 306 | 34                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,148       | 0       |
| 2044               | 9,796         | 0   | 352      | 306 | 35                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,240       | 0       |
| 2045               | 10,059        | 0   | 352      | 306 | 36                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,319       | 0       |
| 2046               | 10,322        | 0   | 351      | 306 | 37                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,403       | 0       |
| 2047               | 10,587        | 0   | 350      | 306 | 38                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,488       | 0       |
| 2048               | 10,852        | 0   | 348      | 306 | 38                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,580       | 0       |
| 2049               | 11,129        | 0   | 348      | 306 | 39                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,661       | 0       |
| 2050               | 11,408        | 0   | 347      | 306 | 40                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,750       | 0       |
| 2051               | 11,688        | 0   | 346      | 306 | 41                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,840       | 0       |
| 2052               | 11,969        | 0   | 344      | 306 | 42                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 1,937       | 0       |
| 2053               | 12,287        | 0   | 344      | 306 | 43                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 2,027       | 0       |
| 2054               | 12,611        | 0   | 343      | 306 | 44                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 2,131       | 0       |
| 2055               | 12,937        | 0   | 342      | 306 | 45                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 2,237       | 0       |
| 2056               | 13,265        | 0   | 340      | 306 | 46                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 2,351       | 0       |
| 2057               | 13,594        | 0   | 340      | 306 | 47                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 2,450       | 0       |
| 2058               | 13,924        | 0   | 339      | 306 | 48                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 2,557       | 0       |
| 2059               | 14,257        | 0   | 338      | 306 | 49                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 2,665       | 0       |
| 2060               | 14,640        | 0   | 336      | 306 | 51                                   | 0             | 0       | 0                       | 0   | 0       | 0        | 2,259       | 2,791       | 0       |

Central Arizona Project Service Area Model

A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015



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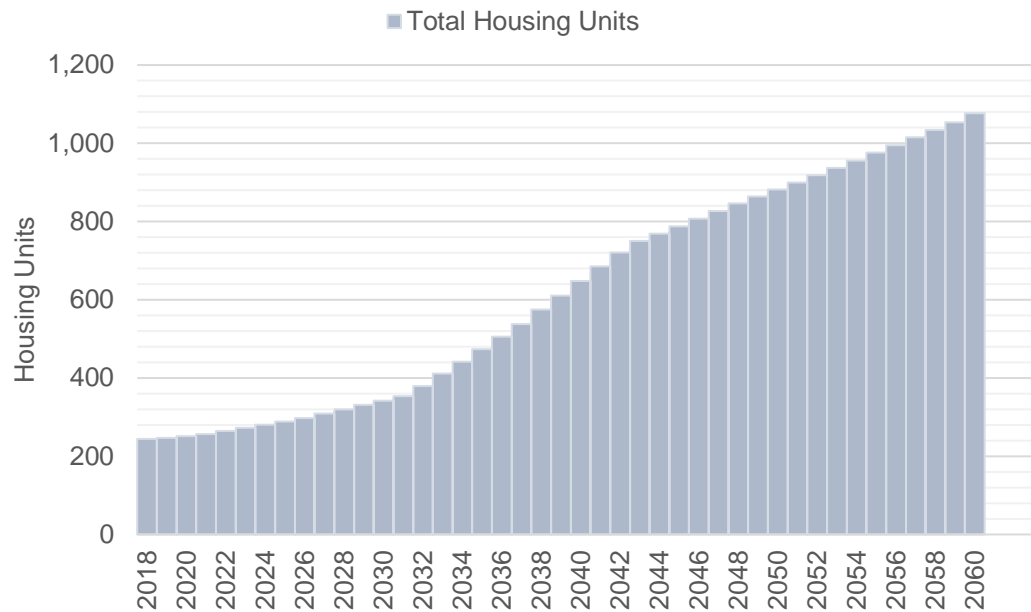
## A. Highest Demand [EMSBS]

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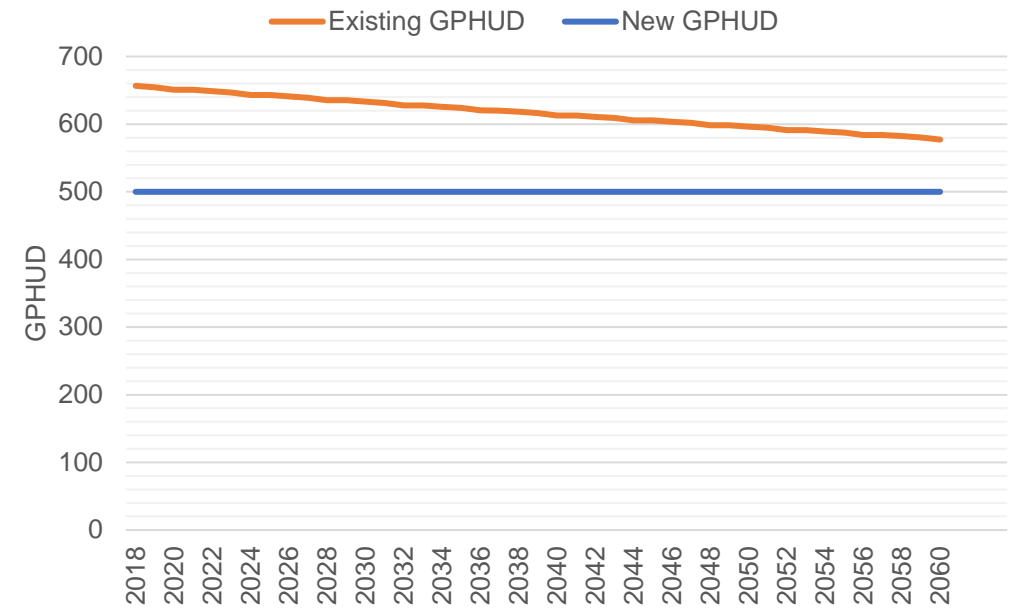
| Demand Assumptions |               |     |          |     | Water Supply Projections (Acre-Feet) |               |         |                         |       |         |          |             |             |         |
|--------------------|---------------|-----|----------|-----|--------------------------------------|---------------|---------|-------------------------|-------|---------|----------|-------------|-------------|---------|
| Date               | Housing Units |     | GPHUD    |     | Effluent                             | Surface Water |         | Central Arizona Project |       |         |          | Groundwater |             | Unknown |
|                    | Total         | SRP | Existing | New |                                      | SRP           | Non-SRP | Direct                  | ASR   | Storage | Recovery | Non-Repl.   | Replenished |         |
| 2018               | 36,809        | 0   | 388      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 5,025       | 9           | 0       |
| 2019               | 37,560        | 0   | 387      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 5,150       | 15          | 0       |
| 2020               | 38,400        | 0   | 384      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 5,357       | 38          | 0       |
| 2021               | 40,578        | 0   | 384      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 5,803       | 67          | 0       |
| 2022               | 43,225        | 0   | 383      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 6,486       | 176         | 0       |
| 2023               | 45,922        | 0   | 382      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 7,219       | 325         | 0       |
| 2024               | 48,642        | 0   | 380      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 7,925       | 522         | 0       |
| 2025               | 51,378        | 0   | 380      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 8,599       | 740         | 0       |
| 2026               | 54,166        | 0   | 379      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 9,241       | 1,011       | 0       |
| 2027               | 57,186        | 0   | 377      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 9,907       | 1,308       | 0       |
| 2028               | 60,209        | 0   | 375      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 10,572      | 1,668       | 0       |
| 2029               | 63,233        | 0   | 375      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 11,179      | 2,044       | 0       |
| 2030               | 66,257        | 0   | 374      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 11,781      | 2,447       | 0       |
| 2031               | 69,283        | 0   | 373      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 12,369      | 2,864       | 0       |
| 2032               | 72,999        | 0   | 371      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 13,086      | 3,306       | 0       |
| 2033               | 77,000        | 0   | 371      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 13,800      | 3,854       | 0       |
| 2034               | 81,006        | 0   | 370      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 14,541      | 4,458       | 0       |
| 2035               | 85,016        | 0   | 368      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 15,268      | 5,079       | 0       |
| 2036               | 89,032        | 0   | 366      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 16,027      | 5,718       | 0       |
| 2037               | 93,083        | 0   | 366      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 16,690      | 6,363       | 0       |
| 2038               | 97,323        | 0   | 365      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 17,419      | 7,030       | 0       |
| 2039               | 101,570       | 0   | 364      | 310 | 0                                    | 0             | 0       | 2,096                   | 7,433 | 0       | 0        | 19,093      | 8,140       | 0       |
| 2040               | 105,827       | 0   | 362      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 18,919      | 8,457       | 0       |
| 2041               | 110,094       | 0   | 362      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 19,570      | 9,179       | 0       |
| 2042               | 114,372       | 0   | 361      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 20,249      | 9,940       | 0       |
| 2043               | 118,750       | 0   | 360      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 20,888      | 10,761      | 0       |
| 2044               | 123,240       | 0   | 358      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 21,609      | 11,617      | 0       |
| 2045               | 127,744       | 0   | 358      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 22,175      | 12,489      | 0       |
| 2046               | 132,262       | 0   | 357      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 22,812      | 13,375      | 0       |
| 2047               | 136,796       | 0   | 355      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 23,446      | 14,271      | 0       |
| 2048               | 141,346       | 0   | 353      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 24,165      | 15,184      | 0       |
| 2049               | 145,910       | 0   | 353      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 24,676      | 16,116      | 0       |
| 2050               | 150,493       | 0   | 352      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 25,188      | 17,149      | 0       |
| 2051               | 155,094       | 0   | 351      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 25,697      | 18,193      | 0       |
| 2052               | 159,715       | 0   | 349      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 26,308      | 19,256      | 0       |
| 2053               | 164,965       | 0   | 349      | 310 | 0                                    | 0             | 0       | 2,394                   | 8,490 | 0       | 0        | 26,800      | 20,322      | 0       |
| 2054               | 170,331       | 0   | 348      | 310 | 0                                    | 0             | 0       | 2,260                   | 8,013 | 0       | 0        | 27,728      | 21,807      | 0       |
| 2055               | 175,724       | 0   | 347      | 310 | 0                                    | 0             | 0       | 1,886                   | 6,685 | 0       | 0        | 29,240      | 23,824      | 0       |
| 2056               | 181,144       | 0   | 345      | 310 | 0                                    | 0             | 0       | 1,677                   | 5,947 | 0       | 0        | 30,439      | 25,542      | 0       |
| 2057               | 186,583       | 0   | 345      | 310 | 0                                    | 0             | 0       | 2,260                   | 8,013 | 0       | 0        | 29,439      | 25,603      | 0       |
| 2058               | 192,050       | 0   | 344      | 310 | 0                                    | 0             | 0       | 2,260                   | 8,013 | 0       | 0        | 30,007      | 26,887      | 0       |
| 2059               | 197,548       | 0   | 343      | 310 | 0                                    | 0             | 0       | 2,260                   | 8,013 | 0       | 0        | 30,575      | 28,182      | 0       |
| 2060               | 204,016       | 0   | 341      | 310 | 0                                    | 0             | 0       | 2,260                   | 8,013 | 0       | 0        | 31,440      | 29,511      | 0       |

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015

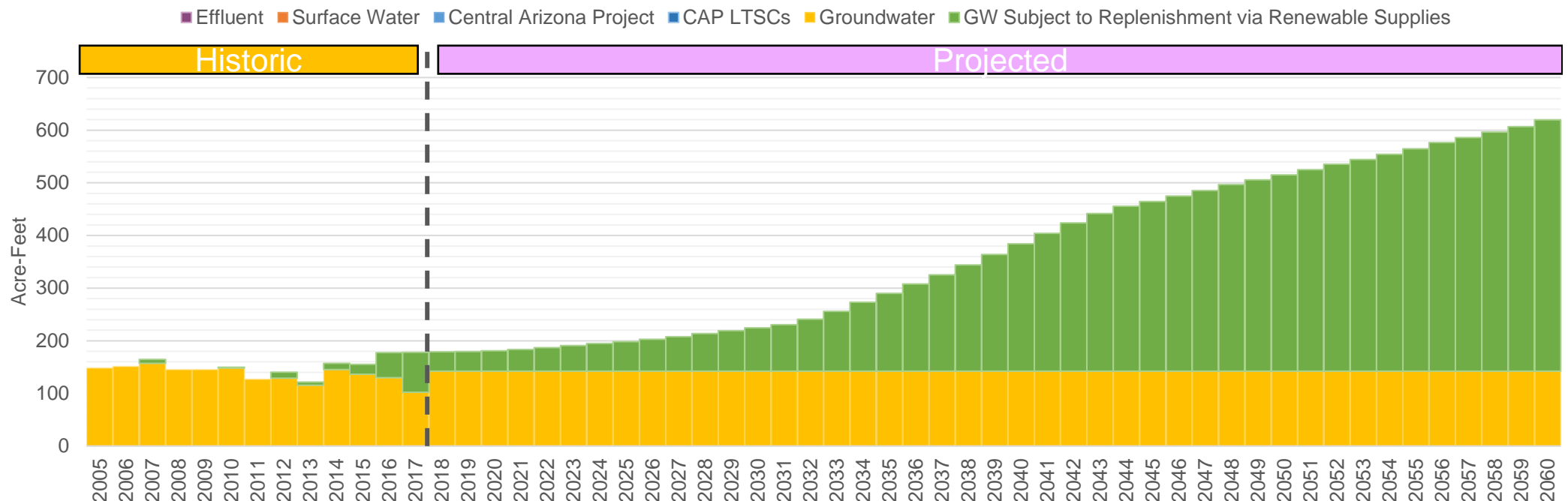
#### Housing Unit Projection



#### Gallons Per Housing Unit Per Day



#### Water Supply Projections



# Central Arizona Project Service Area Model

## A. Highest Demand [EMSBS]

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| Demand Assumptions |               |     |          |     | Water Supply Projections (Acre-Feet) |               |         |                         |     |         |          |             |             |         |
|--------------------|---------------|-----|----------|-----|--------------------------------------|---------------|---------|-------------------------|-----|---------|----------|-------------|-------------|---------|
| Date               | Housing Units |     | GPHUD    |     | Effluent                             | Surface Water |         | Central Arizona Project |     |         |          | Groundwater |             | Unknown |
|                    | Total         | SRP | Existing | New |                                      | SRP           | Non-SRP | Direct                  | ASR | Storage | Recovery | Non-Repl.   | Replenished |         |
| 2018               | 244           | 0   | 657      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 37          | 0       |
| 2019               | 247           | 0   | 655      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 37          | 0       |
| 2020               | 251           | 0   | 651      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 39          | 0       |
| 2021               | 257           | 0   | 651      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 41          | 0       |
| 2022               | 265           | 0   | 649      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 44          | 0       |
| 2023               | 273           | 0   | 647      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 48          | 0       |
| 2024               | 281           | 0   | 643      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 52          | 0       |
| 2025               | 289           | 0   | 643      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 56          | 0       |
| 2026               | 298           | 0   | 641      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 60          | 0       |
| 2027               | 309           | 0   | 639      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 65          | 0       |
| 2028               | 320           | 0   | 635      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 71          | 0       |
| 2029               | 331           | 0   | 635      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 77          | 0       |
| 2030               | 342           | 0   | 633      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 82          | 0       |
| 2031               | 354           | 0   | 631      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 88          | 0       |
| 2032               | 379           | 0   | 628      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 98          | 0       |
| 2033               | 411           | 0   | 628      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 114         | 0       |
| 2034               | 442           | 0   | 626      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 131         | 0       |
| 2035               | 474           | 0   | 624      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 148         | 0       |
| 2036               | 506           | 0   | 620      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 166         | 0       |
| 2037               | 538           | 0   | 620      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 183         | 0       |
| 2038               | 575           | 0   | 618      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 202         | 0       |
| 2039               | 611           | 0   | 616      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 221         | 0       |
| 2040               | 648           | 0   | 613      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 242         | 0       |
| 2041               | 685           | 0   | 613      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 262         | 0       |
| 2042               | 721           | 0   | 611      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 282         | 0       |
| 2043               | 750           | 0   | 609      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 299         | 0       |
| 2044               | 769           | 0   | 606      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 313         | 0       |
| 2045               | 788           | 0   | 605      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 322         | 0       |
| 2046               | 807           | 0   | 604      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 332         | 0       |
| 2047               | 827           | 0   | 602      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 343         | 0       |
| 2048               | 846           | 0   | 598      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 354         | 0       |
| 2049               | 864           | 0   | 598      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 363         | 0       |
| 2050               | 882           | 0   | 596      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 373         | 0       |
| 2051               | 900           | 0   | 595      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 382         | 0       |
| 2052               | 918           | 0   | 591      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 393         | 0       |
| 2053               | 937           | 0   | 591      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 402         | 0       |
| 2054               | 956           | 0   | 589      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 412         | 0       |
| 2055               | 976           | 0   | 588      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 422         | 0       |
| 2056               | 995           | 0   | 584      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 434         | 0       |
| 2057               | 1,015         | 0   | 584      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 443         | 0       |
| 2058               | 1,034         | 0   | 582      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 454         | 0       |
| 2059               | 1,054         | 0   | 581      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 464         | 0       |
| 2060               | 1,077         | 0   | 577      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 142         | 477         | 0       |

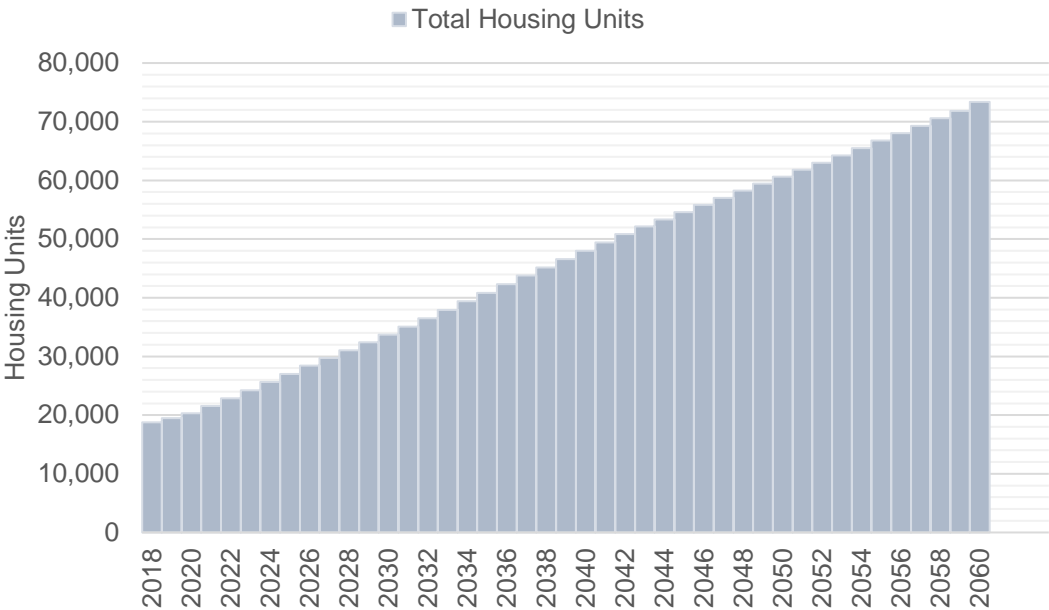


Central Arizona Project Service Area Model

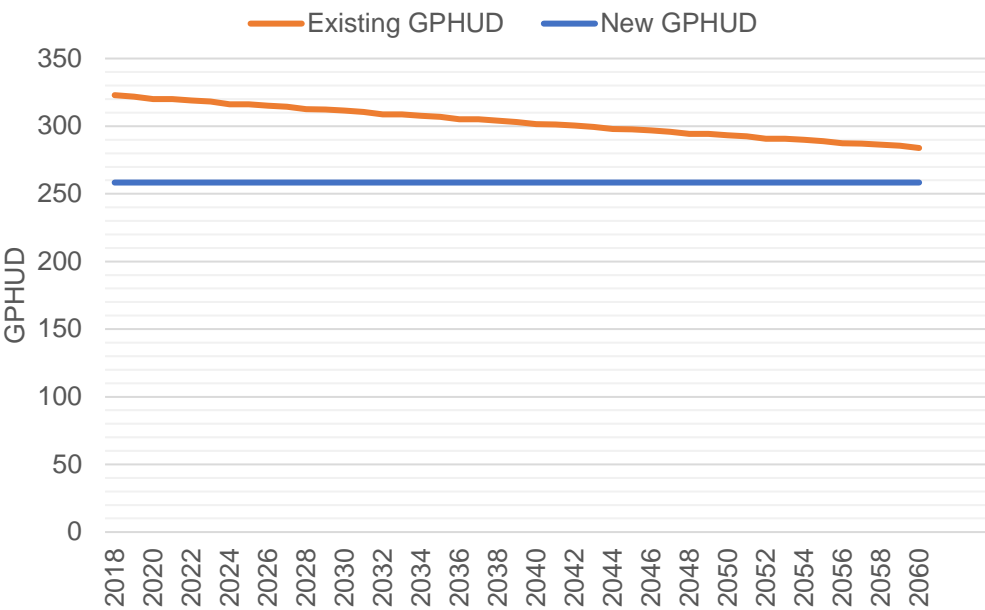
A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015

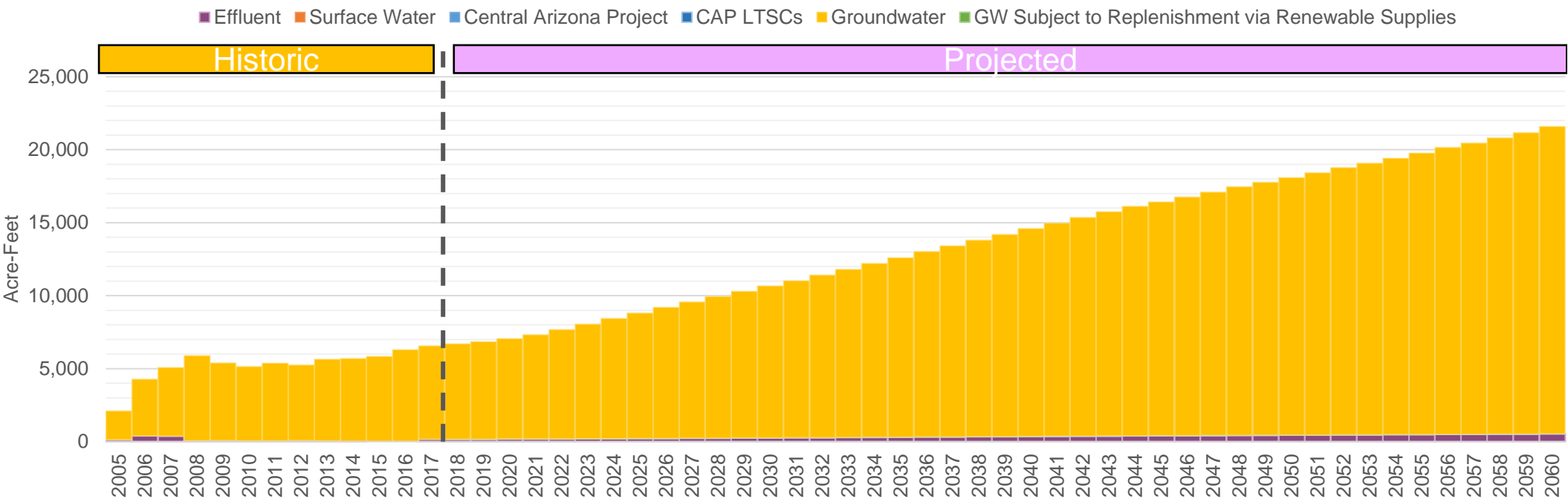
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



## Central Arizona Project Service Area Model

## A. Highest Demand [EMSBS]

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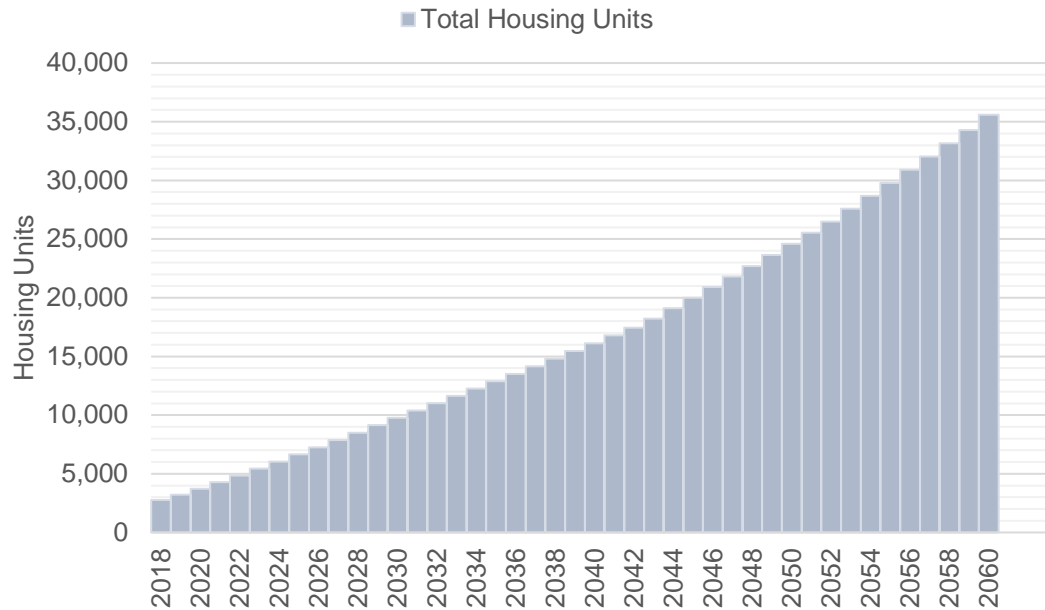
| Demand Assumptions |               |     |          |     | Water Supply Projections (Acre-Feet) |               |         |                         |     |         |          |             |             |         |
|--------------------|---------------|-----|----------|-----|--------------------------------------|---------------|---------|-------------------------|-----|---------|----------|-------------|-------------|---------|
| Date               | Housing Units |     | GPHUD    |     | Effluent                             | Surface Water |         | Central Arizona Project |     |         |          | Groundwater |             | Unknown |
|                    | Total         | SRP | Existing | New |                                      | SRP           | Non-SRP | Direct                  | ASR | Storage | Recovery | Non-Repl.   | Replenished |         |
| 2018               | 18,744        | 0   | 323      | 258 | 167                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 6,551       | 0           | 0       |
| 2019               | 19,488        | 0   | 322      | 258 | 167                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 6,678       | 0           | 0       |
| 2020               | 20,322        | 0   | 320      | 258 | 170                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 6,885       | 0           | 0       |
| 2021               | 21,530        | 0   | 320      | 258 | 175                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 7,154       | 0           | 0       |
| 2022               | 22,878        | 0   | 319      | 258 | 182                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 7,497       | 0           | 0       |
| 2023               | 24,251        | 0   | 318      | 258 | 191                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 7,862       | 0           | 0       |
| 2024               | 25,636        | 0   | 316      | 258 | 200                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 8,238       | 0           | 0       |
| 2025               | 27,029        | 0   | 316      | 258 | 210                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 8,605       | 0           | 0       |
| 2026               | 28,414        | 0   | 315      | 258 | 219                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 8,978       | 0           | 0       |
| 2027               | 29,743        | 0   | 314      | 258 | 229                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 9,342       | 0           | 0       |
| 2028               | 31,073        | 0   | 313      | 258 | 238                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 9,707       | 0           | 0       |
| 2029               | 32,403        | 0   | 312      | 258 | 247                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 10,054      | 0           | 0       |
| 2030               | 33,734        | 0   | 311      | 258 | 256                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 10,411      | 0           | 0       |
| 2031               | 35,066        | 0   | 311      | 258 | 265                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 10,768      | 0           | 0       |
| 2032               | 36,484        | 0   | 309      | 258 | 274                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 11,151      | 0           | 0       |
| 2033               | 37,939        | 0   | 309      | 258 | 284                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 11,524      | 0           | 0       |
| 2034               | 39,396        | 0   | 308      | 258 | 293                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 11,917      | 0           | 0       |
| 2035               | 40,854        | 0   | 307      | 258 | 303                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 12,310      | 0           | 0       |
| 2036               | 42,315        | 0   | 305      | 258 | 313                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 12,721      | 0           | 0       |
| 2037               | 43,769        | 0   | 305      | 258 | 324                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 13,095      | 0           | 0       |
| 2038               | 45,174        | 0   | 304      | 258 | 334                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 13,480      | 0           | 0       |
| 2039               | 46,582        | 0   | 303      | 258 | 343                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 13,859      | 0           | 0       |
| 2040               | 47,993        | 0   | 301      | 258 | 353                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 14,261      | 0           | 0       |
| 2041               | 49,407        | 0   | 301      | 258 | 363                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 14,618      | 0           | 0       |
| 2042               | 50,825        | 0   | 300      | 258 | 372                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 15,000      | 0           | 0       |
| 2043               | 52,147        | 0   | 300      | 258 | 382                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 15,368      | 0           | 0       |
| 2044               | 53,362        | 0   | 298      | 258 | 391                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 15,734      | 0           | 0       |
| 2045               | 54,581        | 0   | 298      | 258 | 401                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 16,031      | 0           | 0       |
| 2046               | 55,805        | 0   | 297      | 258 | 408                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 16,359      | 0           | 0       |
| 2047               | 57,032        | 0   | 296      | 258 | 417                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 16,686      | 0           | 0       |
| 2048               | 58,263        | 0   | 294      | 258 | 425                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 17,046      | 0           | 0       |
| 2049               | 59,451        | 0   | 294      | 258 | 434                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 17,338      | 0           | 0       |
| 2050               | 60,635        | 0   | 293      | 258 | 442                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 17,655      | 0           | 0       |
| 2051               | 61,825        | 0   | 292      | 258 | 450                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 17,972      | 0           | 0       |
| 2052               | 63,019        | 0   | 291      | 258 | 458                                  | 0             | 0       | 0                       | 0   | 0       | 2        | 18,326      | 0           | 0       |
| 2053               | 64,262        | 0   | 291      | 258 | 467                                  | 0             | 0       | 0                       | 0   | 0       | 1        | 18,617      | 0           | 0       |
| 2054               | 65,516        | 0   | 290      | 258 | 474                                  | 0             | 0       | 0                       | 0   | 0       | 1        | 18,953      | 0           | 0       |
| 2055               | 66,777        | 0   | 289      | 258 | 483                                  | 0             | 0       | 0                       | 0   | 0       | 1        | 19,290      | 0           | 0       |
| 2056               | 68,043        | 0   | 287      | 258 | 491                                  | 0             | 0       | 0                       | 0   | 0       | 1        | 19,668      | 0           | 0       |
| 2057               | 69,311        | 0   | 287      | 258 | 501                                  | 0             | 0       | 0                       | 0   | 0       | 1        | 19,968      | 0           | 0       |
| 2058               | 70,586        | 0   | 286      | 258 | 509                                  | 0             | 0       | 0                       | 0   | 0       | 1        | 20,311      | 0           | 0       |
| 2059               | 71,868        | 0   | 285      | 258 | 517                                  | 0             | 0       | 0                       | 0   | 0       | 1        | 20,654      | 0           | 0       |
| 2060               | 73,384        | 0   | 284      | 258 | 526                                  | 0             | 0       | 0                       | 0   | 0       | 1        | 21,076      | 0           | 0       |

# Central Arizona Project Service Area Model

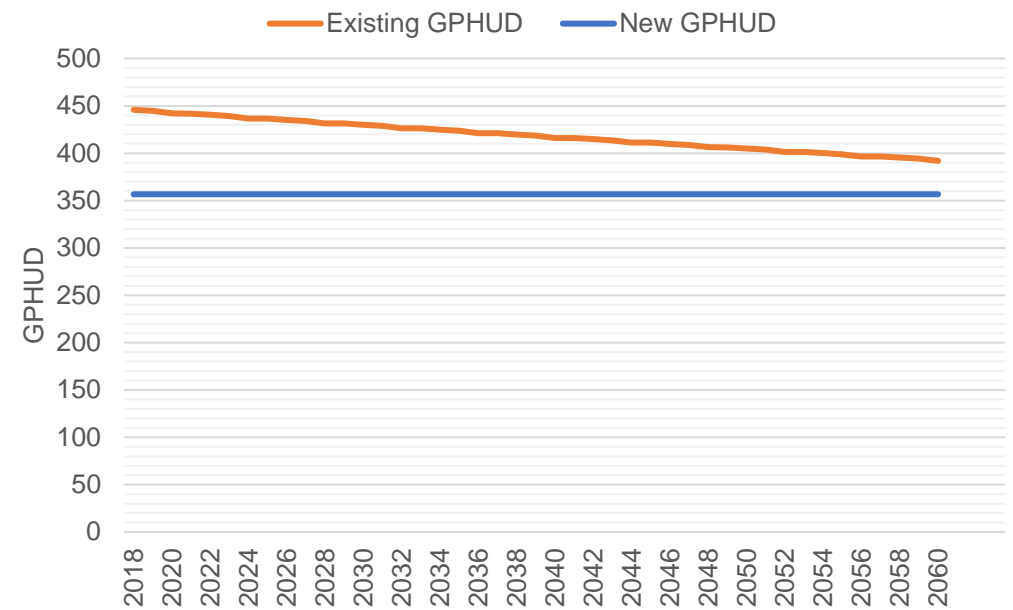
## A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015

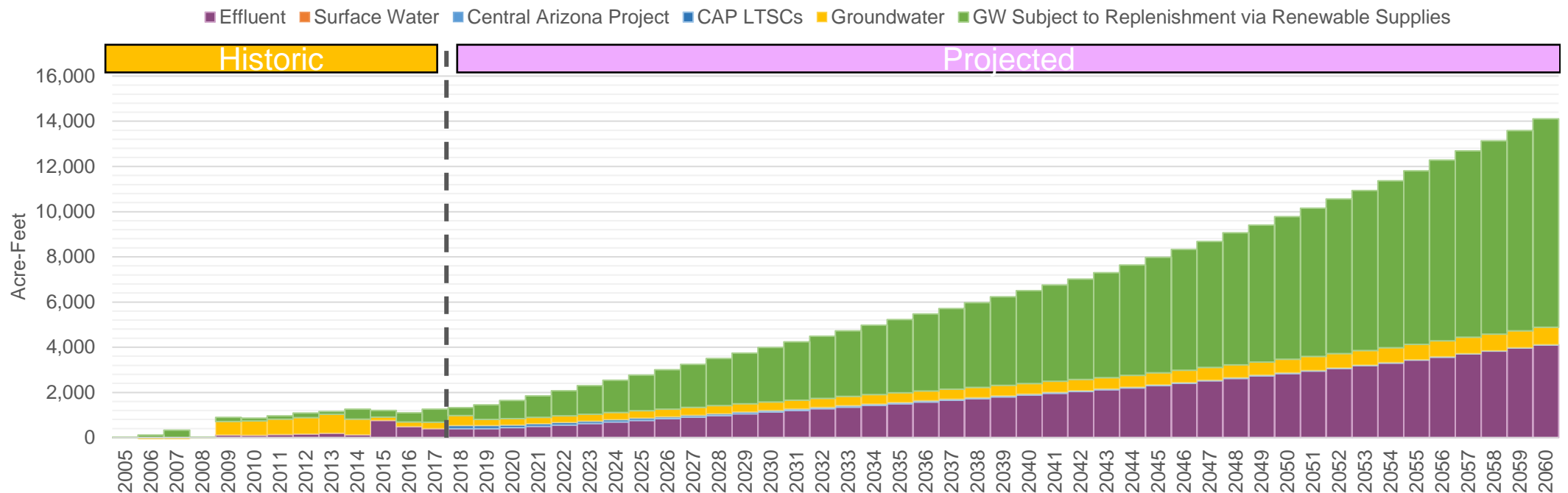
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



## Central Arizona Project Service Area Model

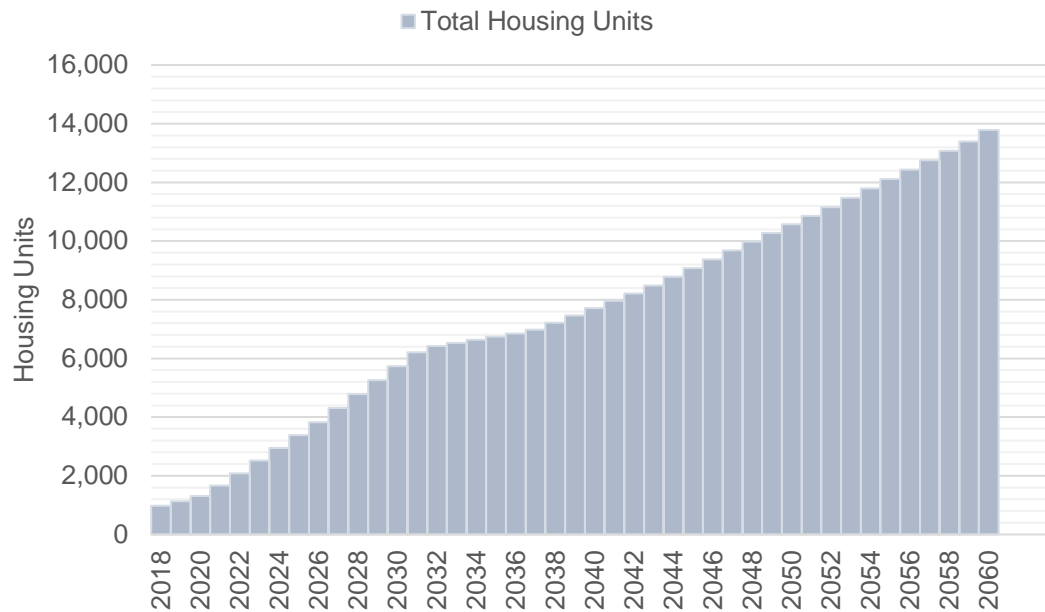
## A. Highest Demand [EMSBS]

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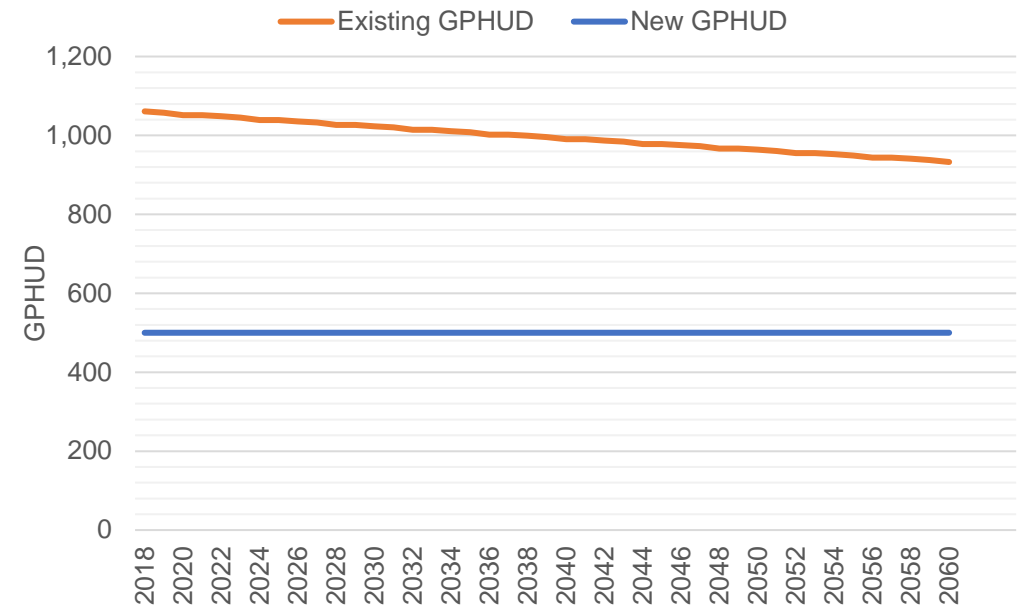
| Demand Assumptions |               |     |          |     | Water Supply Projections (Acre-Feet) |               |         |                         |     |         |          |             |             |         |
|--------------------|---------------|-----|----------|-----|--------------------------------------|---------------|---------|-------------------------|-----|---------|----------|-------------|-------------|---------|
| Date               | Housing Units |     | GPHUD    |     | Effluent                             | Surface Water |         | Central Arizona Project |     |         |          | Groundwater |             | Unknown |
|                    | Total         | SRP | Existing | New |                                      | SRP           | Non-SRP | Direct                  | ASR | Storage | Recovery | Non-Repl.   | Replenished |         |
| 2018               | 2,769         | 0   | 446      | 357 | 402                                  | 0             | 0       | 0                       | 0   | 0       | 134      | 443         | 353         | 0       |
| 2019               | 3,221         | 0   | 445      | 357 | 402                                  | 0             | 0       | 0                       | 0   | 0       | 127      | 278         | 645         | 0       |
| 2020               | 3,728         | 0   | 442      | 357 | 438                                  | 0             | 0       | 0                       | 0   | 0       | 121      | 283         | 799         | 0       |
| 2021               | 4,283         | 0   | 442      | 357 | 495                                  | 0             | 0       | 0                       | 0   | 0       | 115      | 291         | 948         | 0       |
| 2022               | 4,862         | 0   | 441      | 357 | 558                                  | 0             | 0       | 0                       | 0   | 0       | 109      | 299         | 1,106       | 0       |
| 2023               | 5,452         | 0   | 439      | 357 | 625                                  | 0             | 0       | 0                       | 0   | 0       | 103      | 308         | 1,265       | 0       |
| 2024               | 6,047         | 0   | 437      | 357 | 694                                  | 0             | 0       | 0                       | 0   | 0       | 98       | 317         | 1,428       | 0       |
| 2025               | 6,646         | 0   | 437      | 357 | 766                                  | 0             | 0       | 0                       | 0   | 0       | 93       | 326         | 1,583       | 0       |
| 2026               | 7,250         | 0   | 435      | 357 | 835                                  | 0             | 0       | 0                       | 0   | 0       | 89       | 336         | 1,745       | 0       |
| 2027               | 7,878         | 0   | 434      | 357 | 907                                  | 0             | 0       | 0                       | 0   | 0       | 84       | 345         | 1,911       | 0       |
| 2028               | 8,506         | 0   | 431      | 357 | 980                                  | 0             | 0       | 0                       | 0   | 0       | 80       | 355         | 2,086       | 0       |
| 2029               | 9,134         | 0   | 431      | 357 | 1,056                                | 0             | 0       | 0                       | 0   | 0       | 76       | 365         | 2,244       | 0       |
| 2030               | 9,763         | 0   | 430      | 357 | 1,129                                | 0             | 0       | 0                       | 0   | 0       | 72       | 375         | 2,413       | 0       |
| 2031               | 10,392        | 0   | 429      | 357 | 1,204                                | 0             | 0       | 0                       | 0   | 0       | 69       | 385         | 2,580       | 0       |
| 2032               | 11,017        | 0   | 426      | 357 | 1,278                                | 0             | 0       | 0                       | 0   | 0       | 65       | 394         | 2,754       | 0       |
| 2033               | 11,641        | 0   | 426      | 357 | 1,355                                | 0             | 0       | 0                       | 0   | 0       | 62       | 405         | 2,907       | 0       |
| 2034               | 12,266        | 0   | 425      | 357 | 1,427                                | 0             | 0       | 0                       | 0   | 0       | 59       | 414         | 3,075       | 0       |
| 2035               | 12,892        | 0   | 424      | 357 | 1,501                                | 0             | 0       | 0                       | 0   | 0       | 56       | 424         | 3,240       | 0       |
| 2036               | 13,518        | 0   | 421      | 357 | 1,575                                | 0             | 0       | 0                       | 0   | 0       | 53       | 434         | 3,417       | 0       |
| 2037               | 14,150        | 0   | 421      | 357 | 1,653                                | 0             | 0       | 0                       | 0   | 0       | 50       | 444         | 3,567       | 0       |
| 2038               | 14,808        | 0   | 420      | 357 | 1,724                                | 0             | 0       | 0                       | 0   | 0       | 48       | 454         | 3,743       | 0       |
| 2039               | 15,467        | 0   | 419      | 357 | 1,801                                | 0             | 0       | 0                       | 0   | 0       | 46       | 464         | 3,918       | 0       |
| 2040               | 16,127        | 0   | 416      | 357 | 1,879                                | 0             | 0       | 0                       | 0   | 0       | 43       | 474         | 4,106       | 0       |
| 2041               | 16,789        | 0   | 416      | 357 | 1,962                                | 0             | 0       | 0                       | 0   | 0       | 41       | 485         | 4,260       | 0       |
| 2042               | 17,453        | 0   | 415      | 357 | 2,036                                | 0             | 0       | 0                       | 0   | 0       | 39       | 495         | 4,440       | 0       |
| 2043               | 18,225        | 0   | 414      | 357 | 2,115                                | 0             | 0       | 0                       | 0   | 0       | 37       | 505         | 4,635       | 0       |
| 2044               | 19,115        | 0   | 411      | 357 | 2,201                                | 0             | 0       | 0                       | 0   | 0       | 35       | 517         | 4,886       | 0       |
| 2045               | 20,009        | 0   | 411      | 357 | 2,305                                | 0             | 0       | 0                       | 0   | 0       | 33       | 531         | 5,105       | 0       |
| 2046               | 20,905        | 0   | 410      | 357 | 2,406                                | 0             | 0       | 0                       | 0   | 0       | 32       | 544         | 5,346       | 0       |
| 2047               | 21,805        | 0   | 409      | 357 | 2,513                                | 0             | 0       | 0                       | 0   | 0       | 30       | 558         | 5,582       | 0       |
| 2048               | 22,707        | 0   | 406      | 357 | 2,620                                | 0             | 0       | 0                       | 0   | 0       | 29       | 572         | 5,840       | 0       |
| 2049               | 23,647        | 0   | 406      | 357 | 2,734                                | 0             | 0       | 0                       | 0   | 0       | 27       | 587         | 6,055       | 0       |
| 2050               | 24,595        | 0   | 405      | 357 | 2,838                                | 0             | 0       | 0                       | 0   | 0       | 26       | 601         | 6,313       | 0       |
| 2051               | 25,547        | 0   | 404      | 357 | 2,950                                | 0             | 0       | 0                       | 0   | 0       | 25       | 616         | 6,563       | 0       |
| 2052               | 26,503        | 0   | 401      | 357 | 3,064                                | 0             | 0       | 0                       | 0   | 0       | 23       | 631         | 6,839       | 0       |
| 2053               | 27,584        | 0   | 401      | 357 | 3,185                                | 0             | 0       | 0                       | 0   | 0       | 22       | 647         | 7,080       | 0       |
| 2054               | 28,689        | 0   | 400      | 357 | 3,299                                | 0             | 0       | 0                       | 0   | 0       | 21       | 662         | 7,385       | 0       |
| 2055               | 29,799        | 0   | 399      | 357 | 3,430                                | 0             | 0       | 0                       | 0   | 0       | 20       | 680         | 7,677       | 0       |
| 2056               | 30,915        | 0   | 397      | 357 | 3,563                                | 0             | 0       | 0                       | 0   | 0       | 19       | 697         | 7,999       | 0       |
| 2057               | 32,034        | 0   | 397      | 357 | 3,705                                | 0             | 0       | 0                       | 0   | 0       | 18       | 716         | 8,252       | 0       |
| 2058               | 33,160        | 0   | 395      | 357 | 3,829                                | 0             | 0       | 0                       | 0   | 0       | 17       | 733         | 8,557       | 0       |
| 2059               | 34,292        | 0   | 394      | 357 | 3,964                                | 0             | 0       | 0                       | 0   | 0       | 16       | 750         | 8,853       | 0       |
| 2060               | 35,594        | 0   | 392      | 357 | 4,099                                | 0             | 0       | 0                       | 0   | 0       | 15       | 768         | 9,219       | 0       |

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015

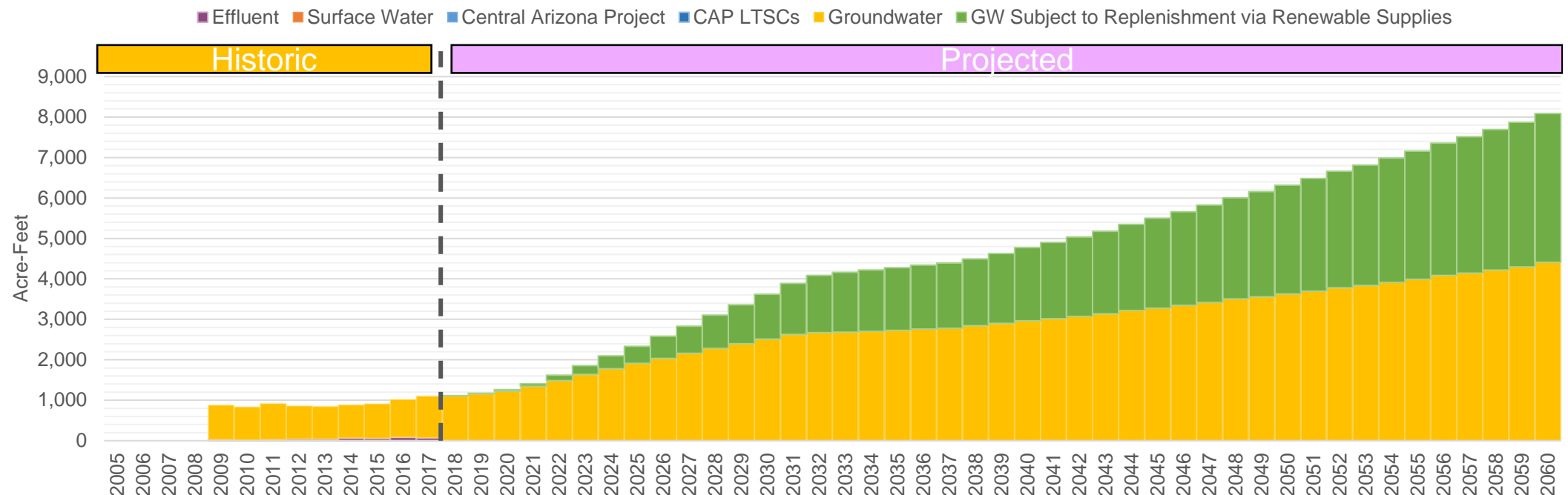
Housing Unit Projection



Gallons Per Housing Unit Per Day



Water Supply Projections



# Central Arizona Project Service Area Model

## A. Highest Demand [EMSBS]

2/24/20 3:13 PM

| Demand Assumptions |               |     |          |     | Water Supply Projections (Acre-Feet) |               |         |                         |     |         |          |             |             |         |
|--------------------|---------------|-----|----------|-----|--------------------------------------|---------------|---------|-------------------------|-----|---------|----------|-------------|-------------|---------|
| Date               | Housing Units |     | GPHUD    |     | Effluent                             | Surface Water |         | Central Arizona Project |     |         |          | Groundwater |             | Unknown |
|                    | Total         | SRP | Existing | New |                                      | SRP           | Non-SRP | Direct                  | ASR | Storage | Recovery | Non-Repl.   | Replenished |         |
| 2018               | 985           | 0   | 1,061    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,111       | 8           | 0       |
| 2019               | 1,138         | 0   | 1,058    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,160       | 14          | 0       |
| 2020               | 1,310         | 0   | 1,052    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,226       | 37          | 0       |
| 2021               | 1,666         | 0   | 1,052    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,345       | 62          | 0       |
| 2022               | 2,088         | 0   | 1,048    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,489       | 133         | 0       |
| 2023               | 2,518         | 0   | 1,045    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,640       | 217         | 0       |
| 2024               | 2,952         | 0   | 1,039    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,779       | 319         | 0       |
| 2025               | 3,388         | 0   | 1,039    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 1,912       | 423         | 0       |
| 2026               | 3,831         | 0   | 1,036    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,032       | 547         | 0       |
| 2027               | 4,307         | 0   | 1,033    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,160       | 673         | 0       |
| 2028               | 4,784         | 0   | 1,027    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,284       | 818         | 0       |
| 2029               | 5,260         | 0   | 1,027    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,396       | 964         | 0       |
| 2030               | 5,736         | 0   | 1,023    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,509       | 1,114       | 0       |
| 2031               | 6,213         | 0   | 1,020    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,623       | 1,264       | 0       |
| 2032               | 6,427         | 0   | 1,015    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,672       | 1,414       | 0       |
| 2033               | 6,533         | 0   | 1,014    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,683       | 1,481       | 0       |
| 2034               | 6,639         | 0   | 1,011    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,706       | 1,515       | 0       |
| 2035               | 6,745         | 0   | 1,008    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,728       | 1,548       | 0       |
| 2036               | 6,851         | 0   | 1,002    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,760       | 1,581       | 0       |
| 2037               | 6,977         | 0   | 1,002    | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,780       | 1,615       | 0       |
| 2038               | 7,223         | 0   | 999      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,841       | 1,654       | 0       |
| 2039               | 7,469         | 0   | 996      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,898       | 1,732       | 0       |
| 2040               | 7,715         | 0   | 990      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 2,966       | 1,809       | 0       |
| 2041               | 7,962         | 0   | 990      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,013       | 1,887       | 0       |
| 2042               | 8,210         | 0   | 987      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,071       | 1,964       | 0       |
| 2043               | 8,482         | 0   | 984      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,136       | 2,042       | 0       |
| 2044               | 8,780         | 0   | 979      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,218       | 2,128       | 0       |
| 2045               | 9,079         | 0   | 978      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,277       | 2,222       | 0       |
| 2046               | 9,379         | 0   | 975      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,347       | 2,316       | 0       |
| 2047               | 9,679         | 0   | 972      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,418       | 2,410       | 0       |
| 2048               | 9,981         | 0   | 967      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,503       | 2,504       | 0       |
| 2049               | 10,275        | 0   | 967      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,558       | 2,600       | 0       |
| 2050               | 10,569        | 0   | 964      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,627       | 2,692       | 0       |
| 2051               | 10,863        | 0   | 961      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,696       | 2,785       | 0       |
| 2052               | 11,159        | 0   | 955      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,781       | 2,877       | 0       |
| 2053               | 11,473        | 0   | 955      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,840       | 2,970       | 0       |
| 2054               | 11,791        | 0   | 952      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,916       | 3,069       | 0       |
| 2055               | 12,110        | 0   | 949      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 3,991       | 3,169       | 0       |
| 2056               | 12,431        | 0   | 944      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 4,084       | 3,270       | 0       |
| 2057               | 12,753        | 0   | 944      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 4,143       | 3,371       | 0       |
| 2058               | 13,076        | 0   | 941      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 4,219       | 3,472       | 0       |
| 2059               | 13,402        | 0   | 938      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 4,296       | 3,574       | 0       |
| 2060               | 13,785        | 0   | 933      | 500 | 0                                    | 0             | 0       | 0                       | 0   | 0       | 0        | 4,409       | 3,676       | 0       |