

**WATER UTILITY SYSTEM FACILITIES 2017-2021 CAPITAL IMPROVEMENT PLAN**

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**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |        |                  |    |  |
|--|--|------------------------------|--------|------------------|----|--|
| Project: Southeast Water Purification Plant  |  | Project No.                  |        | S-000012         |    |  |
| <b>Project Description</b>   |  |                              |        |                  |    |  |
| This project provides for the design and construction for plant maintenance, upgrades, security and sustainability.                  |  | <b>City Council District</b> |        |                  |    |  |
|  |  | Location                     | E      | Address Descr 2: |    |  |
|  |  | Served:                      | W      | Zip Codes:       |    |  |
|  |  | Key Map:                     | 577M,R | Category:        |    |  |
|  |  | Location Code:               | UA-00  | Sub-Category:    |    |  |
| <b>Project Justification</b>   |  |                              |        |                  |    |  |
| This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District requirements. |  | Units:                       | 0      |                  |    |  |
|  |  | Start Year:                  | 2016   |                  |    |  |
|  |  | RCC Total                    | \$     | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |               |              |              |              |      | 2017-2021     | Project Total  |
|--|-------------------------|---------------|--------------|--------------|--------------|------|---------------|----------------|
|  |                         | 2017          | 2018         | 2019         | 2020         | 2021 |               |                |
| Planning                                   |                         |               |              |              |              |      |               |                |
| Acquisition-Land                           | 129                     |               |              |              |              |      |               | 129            |
| Design                                     | 12,257                  |               |              | 242          |              |      | 242           | 12,499         |
| Construction                               | 195,806                 | 13,000        | 7,000        | 6,150        | 6,250        |      | 32,400        | 228,206        |
| Equipment Acquisition                      |                         |               |              |              |              |      |               |                |
| Salary Recovery                            |                         |               |              |              |              |      |               |                |
| Other                                      |                         |               |              |              |              |      |               |                |
| <b>Total Allocation</b>                    | <b>208,192</b>          | <b>13,000</b> | <b>7,000</b> | <b>6,392</b> | <b>6,250</b> |      | <b>32,642</b> | <b>240,834</b> |
| <b>Source of Funds</b>                     |                         |               |              |              |              |      |               |                |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 111,641                 | 13,000        | 7,000        | 6,392        | 6,250        |      | 32,642        | 144,283        |
| <b>Total Funds</b>                         | <b>208,192</b>          | <b>13,000</b> | <b>7,000</b> | <b>6,392</b> | <b>6,250</b> |      | <b>32,642</b> | <b>240,834</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |
|--|--|------------------------------|-------|------------------|----|
| Project: Emergency Needs for Water Utility   |  | Project No.                  |       | S-000019         |    |
| <b>Project Description</b>   |  |                              |       |                  |    |
| This program provides for unforeseen emergency needs for engineering services, construction, and equipments for facility and water line failure of Public Utility. |  | <b>City Council District</b> |       |                  |    |
|  |  | Location                     | V     | Address Descr 2: |    |
|  |  | Served:                      | V     | Zip Codes:       |    |
|  |  | Key Map:                     | V     | Category:        |    |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>   |  |                              |       |                  |    |
| This program is needed to provide public health and safety, and to ensure regulatory compliance.   |  | Units:                       | 0     |                  |    |
|  |  | Start Year:                  | 2016  |                  |    |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |            |            |            |            |            | 2017-2021    | Project Total |
|--|-------------------------|------------|------------|------------|------------|------------|--------------|---------------|
|  |                         | 2017       | 2018       | 2019       | 2020       | 2021       |              |               |
| Planning                                   |                         |            |            |            |            |            |              |               |
| Acquisition-Land                           | 137                     |            |            |            |            |            |              | 137           |
| Design                                     | 2,267                   | 125        |            |            |            | 125        |              | 2,392         |
| Construction                               | 8,049                   |            |            |            | 500        | 500        |              | 8,549         |
| Equipment Acquisition                      | 2,357                   |            |            |            |            |            |              | 2,357         |
| Salary Recovery                            | 2                       |            |            |            |            |            |              | 2             |
| Other                                      |                         | 500        | 300        | 500        | 500        | 1,800      |              | 1,800         |
| <b>Total Allocation</b>                    | <b>12,813</b>           | <b>625</b> | <b>300</b> | <b>500</b> | <b>500</b> | <b>500</b> | <b>2,425</b> | <b>15,238</b> |
| <b>Source of Funds</b>                     |                         |            |            |            |            |            |              |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 12,813                  | 625        | 300        | 500        | 500        | 500        | 2,425        | 15,238        |
| <b>Total Funds</b>                         | <b>12,813</b>           | <b>625</b> | <b>300</b> | <b>500</b> | <b>500</b> | <b>500</b> | <b>2,425</b> | <b>15,238</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |
|--|--|------------------------------|-------|------------------|----|
| Project: Miscellaneous Water Needs   |  | Project No.                  |       | S-000020         |    |
| <b>Project Description</b>   |  |                              |       |                  |    |
| This program provides for unforeseen miscellaneous needs for acquisition, engineering services, construction, and legal services required in conjunction with various projects and activities of Public Utility. |  | <b>City Council District</b> |       |                  |    |
|  |  | Location                     | V     | Address Descr 2: |    |
|  |  | Served:                      | V     | Zip Codes:       |    |
|  |  | Key Map:                     | N/A   | Category:        |    |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>   |  |                              |       |                  |    |
| This program is needed to provide for unforeseen costs.  |  | Units:                       | 0     |                  |    |
|  |  | Start Year:                  | 2016  |                  |    |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |              |              |            |            |            | 2017-2021     | Project Total |
|--|-------------------------|--------------|--------------|------------|------------|------------|---------------|---------------|
|  |                         | 2017         | 2018         | 2019       | 2020       | 2021       |               |               |
| Planning                                   |                         |              |              |            |            |            |               |               |
| Acquisition-Land                           |                         |              |              |            |            |            |               |               |
| Design                                     | 892                     | 1,855        |              | 615        |            |            | 2,470         | 3,362         |
| Construction                               | 3,042                   | 170          | 7,120        | 170        | 120        | 170        | 7,750         | 10,792        |
| Equipment Acquisition                      | 2,169                   |              |              |            |            |            |               | 2,169         |
| Salary Recovery                            |                         |              |              |            |            |            |               |               |
| Other                                      |                         |              |              |            |            |            |               | 0             |
| <b>Total Allocation</b>                    | <b>6,102</b>            | <b>2,025</b> | <b>7,120</b> | <b>785</b> | <b>120</b> | <b>170</b> | <b>10,220</b> | <b>16,322</b> |
| <b>Source of Funds</b>                     |                         |              |              |            |            |            |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 6,102                   | 2,025        | 7,120        | 785        | 120        | 170        | 10,220        | 16,322        |
| <b>Total Funds</b>                         | <b>6,102</b>            | <b>2,025</b> | <b>7,120</b> | <b>785</b> | <b>120</b> | <b>170</b> | <b>10,220</b> | <b>16,322</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |  |
|---|--|------------------------------|-------|------------------|----|--|
| Project: Neighborhood Water Main Replacement  |  | Project No.                  |       | S-000035         |    |  |
| <b>Project Description</b>  |  |                              |       |                  |    |  |
| This program provides for the design and construction of replacement distribution mains and upgrades small mains which do not meet standards.   |  | <b>City Council District</b> |       |                  |    |  |
|   |  | Location                     | V     | Address Descr 2: |    |  |
|   |  | Served:                      | V     | Zip Codes:       |    |  |
|   |  | Key Map:                     | V     | Category:        |    |  |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>  |  |                              |       |                  |    |  |
| This program is required to improve customer service, water quality and capacity, fire protection, system reliability, and assures compliance with TCEQ rules and other governmental regulations. |  | Units:                       | 0     |                  |    |  |
|   |  | Start Year:                  | 2016  |                  |    |  |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |               |               |               |      |              | 2017-2021     | Project Total  |
|--|-------------------------|---------------|---------------|---------------|------|--------------|---------------|----------------|
|  |                         | 2017          | 2018          | 2019          | 2020 | 2021         |               |                |
| Planning                                   |                         |               |               |               |      |              |               |                |
| Acquisition-Land                           | 214                     |               |               |               |      |              |               | 214            |
| Design                                     | 69,356                  | <b>10,808</b> |               |               |      |              | 10,808        | 80,164         |
| Construction                               | 413,343                 | <b>15,647</b> | 33,444        | 17,347        |      | 4,000        | 70,437        | 483,780        |
| Equipment Acquisition                      |                         |               |               |               |      |              |               |                |
| Salary Recovery                            |                         |               |               |               |      |              |               |                |
| Other                                      |                         |               |               |               |      |              |               |                |
| <b>Total Allocation</b>                    | <b>482,913</b>          | <b>26,455</b> | <b>33,444</b> | <b>17,347</b> |      | <b>4,000</b> | <b>81,245</b> | <b>564,158</b> |
| <b>Source of Funds</b>                     |                         |               |               |               |      |              |               |                |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 482,913                 | <b>26,455</b> | 33,444        | 17,347        |      | 4,000        | 81,245        | 564,158        |
| <b>Total Funds</b>                         | <b>482,913</b>          | <b>26,455</b> | <b>33,444</b> | <b>17,347</b> |      | <b>4,000</b> | <b>81,245</b> | <b>564,158</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |        |                  |    |
|--|--|------------------------------|--------|------------------|----|
| Project: East Water Purification Plant   |  | Project No.                  |        | S-000056         |    |
| <b>Project Description</b>   |  |                              |        |                  |    |
| This project upgrades and optimizes the East Water Plant, and increases the capacity and reliability to meet immediate and future needs of the City and its customers. |  | <b>City Council District</b> |        |                  |    |
|  |  | Location                     | E      | Address Descr 2: |    |
|  |  | Served:                      | W      | Zip Codes:       |    |
|  |  | Key Map:                     | 496U,Y | Category:        |    |
|  |  | Location Code:               | UA-00  | Sub-Category:    |    |
| <b>Project Justification</b>   |  |                              |        |                  |    |
| This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District requirements.                                   |  | Units:                       | 0      |                  |    |
|  |  | Start Year:                  | 2016   |                  |    |
|  |  | RCC Total                    | \$     | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |               |               |               |               |              | 2017-2021     | Project Total  |
|--|-------------------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|
|  |                         | 2017          | 2018          | 2019          | 2020          | 2021         |               |                |
| Planning                                   |                         |               |               |               |               |              |               |                |
| Acquisition-Land                           | 1,650                   |               |               |               |               |              |               | 1,650          |
| Design                                     | 21,371                  |               |               |               |               |              |               | 21,371         |
| Construction                               | 132,925                 | <b>16,261</b> | 26,643        | 19,900        | 10,525        | 5,420        | 78,749        | 211,674        |
| Equipment Acquisition                      |                         |               |               |               |               |              |               |                |
| Salary Recovery                            |                         |               |               |               |               |              |               |                |
| Other                                      |                         |               |               |               |               |              |               |                |
| <b>Total Allocation</b>                    | <b>155,945</b>          | <b>16,261</b> | <b>26,643</b> | <b>19,900</b> | <b>10,525</b> | <b>5,420</b> | <b>78,749</b> | <b>234,694</b> |
| <b>Source of Funds</b>                     |                         |               |               |               |               |              |               |                |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 155,945                 | <b>16,261</b> | 26,643        | 19,900        | 10,525        | 5,420        | 78,749        | 234,694        |
| <b>Total Funds</b>                         | <b>155,945</b>          | <b>16,261</b> | <b>26,643</b> | <b>19,900</b> | <b>10,525</b> | <b>5,420</b> | <b>78,749</b> | <b>234,694</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |
|---|--|------------------------------|-------|------------------|----|
| Project: NE Water Purification Plant Expansion  |  | Project No.                  |       | S-000065         |    |
| <b>Project Description</b>  |  |                              |       |                  |    |
| Expansion of Northeast Water Purification Plant to 400 MGD total capacity.  |  | <b>City Council District</b> |       |                  |    |
|   |  | Location                     | E     | Address Descr 2: |    |
|   |  | Served:                      | W     | Zip Codes:       |    |
|   |  | Key Map:                     | 377W  | Category:        |    |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>  |  |                              |       |                  |    |
| Expansion of Northeast Water Purification Plant to meet surface water requirements and provide water to regional Water Authorities. |  | Units:                       | 0     |                  |    |
|   |  | Start Year:                  |       |                  |    |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |                |                |                |               |      | 2017-2021        | Project Total    |
|--|-------------------------|----------------|----------------|----------------|---------------|------|------------------|------------------|
|  |                         | 2017           | 2018           | 2019           | 2020          | 2021 |                  |                  |
| Planning                                   |                         |                |                |                |               |      |                  |                  |
| Acquisition-Land                           |                         |                |                |                |               |      |                  |                  |
| Design                                     |                         | 103,122        | 31,824         | 10,320         | 10,321        |      | 155,587          | 155,587          |
| Construction                               |                         |                | 322,933        | 728,783        |               |      | 1,051,716        | 1,051,716        |
| Equipment Acquisition                      |                         |                |                |                |               |      |                  |                  |
| Salary Recovery                            |                         |                |                |                |               |      |                  |                  |
| Other                                      |                         |                |                |                |               |      |                  |                  |
| <b>Total Allocation</b>                    |                         | <b>103,122</b> | <b>354,757</b> | <b>739,103</b> | <b>10,321</b> |      | <b>1,207,303</b> | <b>1,207,303</b> |
| <b>Source of Funds</b>                     |                         |                |                |                |               |      |                  |                  |
| 8500 - PWE-W&S Syst Consolidated Constr Fd |                         | 3,300          | 2,834          | 30,276         | 330           |      | 36,740           | 36,740           |
| Proposed TWDB (8319)                       |                         | 13,199         | 11,337         | 121,105        | 1,321         |      | 146,962          | 146,962          |
| Prop W&S Cap (8319)                        |                         | 86,623         | 340,586        | 587,722        | 8,670         |      | 1,023,601        | 1,023,601        |
| <b>Total Funds</b>                         |                         | <b>103,122</b> | <b>354,757</b> | <b>739,103</b> | <b>10,321</b> |      | <b>1,207,303</b> | <b>1,207,303</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |         |                  |    |  |
|---|--|------------------------------|---------|------------------|----|--|
| Project: Northeast Water Purification Plant   |  | Project No.                  |         | S-000066         |    |  |
| <b>Project Description</b>  |  |                              |         |                  |    |  |
| This project consists of evaluation, site preparation, design, and construction of the Northeast Plant for improvement and expansion. |  | <b>City Council District</b> |         |                  |    |  |
|   |  | Location                     | E       | Address Descr 2: |    |  |
|   |  | Served:                      | W       | Zip Codes:       |    |  |
|   |  | Key Map:                     | 377W, X | Category:        |    |  |
|   |  | Location Code:               | UA-00   | Sub-Category:    |    |  |
| <b>Project Justification</b>  |  |                              |         |                  |    |  |
| This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District requirements.  |  | Units:                       | 0       |                  |    |  |
|   |  | Start Year:                  | 2016    |                  |    |  |
|   |  | RCC Total                    | \$      | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |               |               |               |               |                | 2017-2021      | Project Total |
|--|-------------------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|
|  |                         | 2017          | 2018          | 2019          | 2020          | 2021           |                |               |
| Planning                                   |                         |               |               |               |               |                |                |               |
| Acquisition-Land                           |                         |               |               |               |               |                |                |               |
| Design                                     | 18,209                  | 5,124         |               |               |               | 5,124          | 23,333         |               |
| Construction                               | 12,827                  | 52,932        | 17,022        | 23,000        | 23,000        | 115,954        | 128,781        |               |
| Equipment Acquisition                      |                         |               |               |               |               |                |                |               |
| Salary Recovery                            |                         |               |               |               |               |                |                |               |
| Other                                      | 1,274                   |               |               |               |               |                | 1,274          |               |
| <b>Total Allocation</b>                    | <b>32,310</b>           | <b>58,056</b> | <b>17,022</b> | <b>23,000</b> | <b>23,000</b> | <b>121,078</b> | <b>153,388</b> |               |
| <b>Source of Funds</b>                     |                         |               |               |               |               |                |                |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 32,310                  | 34,021        | 12,013        | 13,478        | 13,478        | 72,990         | 105,300        |               |
| Prop W&S Cap (8319)                        |                         | 21,914        | 5,009         | 9,522         | 9,522         | 45,967         | 45,967         |               |
| Prop W&S Cap (8500)                        |                         | 2,121         |               |               |               | 2,121          | 2,121          |               |
| <b>Total Funds</b>                         | <b>32,310</b>           | <b>58,056</b> | <b>17,022</b> | <b>23,000</b> | <b>23,000</b> | <b>121,078</b> | <b>153,388</b> |               |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |  |
|--|--|------------------------------|-------|------------------|----|--|
| Project: Luce Bayou Inter-Basin Transfer   |  | Project No.                  |       | S-000067         |    |  |
| <b>Project Description</b>   |  |                              |       |                  |    |  |
| The project consists of the construction of an inter-basin transfer bayou from Trinity River to Lake Houston. The project is implemented by The Coastal Water Authority for several surrounding entities. The project is owned approximately 70% by the City and 30% by other water authorities. |  | <b>City Council District</b> |       |                  |    |  |
|  |  | Location                     | V     | Address Descr 2: |    |  |
|  |  | Served:                      | V     | Zip Codes:       |    |  |
|  |  | Key Map:                     | V     | Category:        |    |  |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>   |  |                              |       |                  |    |  |
| The project is required to supplement Lake Houston, a source of drinking water for the City. It is required to meet demand caused by regulation requiring the conversion to surface water. This project will help supply the City with water for the next 50 years.                              |  | Units:                       | 0     |                  |    |  |
|  |  | Start Year:                  |       |                  |    |  |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |                |      |      |      |      | 2017-2021      | Project Total  |
|--|-------------------------|----------------|------|------|------|------|----------------|----------------|
|  |                         | 2017           | 2018 | 2019 | 2020 | 2021 |                |                |
| Planning                                   |                         |                |      |      |      |      |                |                |
| Acquisition-Land                           |                         |                |      |      |      |      |                |                |
| Design                                     |                         |                |      |      |      |      |                |                |
| Construction                               |                         |                |      |      |      |      |                |                |
| Equipment Acquisition                      |                         |                |      |      |      |      |                |                |
| Salary Recovery                            |                         |                |      |      |      |      |                |                |
| Other                                      |                         | 211,763        |      |      |      |      | 211,763        | 211,763        |
| <b>Total Allocation</b>                    |                         | <b>211,763</b> |      |      |      |      | <b>211,763</b> | <b>211,763</b> |
| <b>Source of Funds</b>                     |                         |                |      |      |      |      |                |                |
| 8500 - PWE-W&S Syst Consolidated Constr Fd |                         | 17,483         |      |      |      |      | 17,483         | 17,483         |
| Proposed TWDB (8319)                       |                         | 194,280        |      |      |      |      | 194,280        | 194,280        |
| <b>Total Funds</b>                         |                         | <b>211,763</b> |      |      |      |      | <b>211,763</b> | <b>211,763</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |  |
|---|--|------------------------------|-------|------------------|----|--|
| Project: New / Replacement Ground Water Wells   |  | Project No.                  |       | S-000100         |    |  |
| <b>Project Description</b>  |  |                              |       |                  |    |  |
| This program provides assessment, evaluation, and installation of ground water wells to increase or maintain water production capacity. |  | <b>City Council District</b> |       |                  |    |  |
|   |  | Location                     | V     | Address Descr 2: |    |  |
|   |  | Served:                      | V     | Zip Codes:       |    |  |
|   |  | Key Map:                     | V     | Category:        |    |  |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>  |  |                              |       |                  |    |  |
| This program is necessary in order to provide reliability of the water system.  |  | Units:                       | 0     |                  |    |  |
|   |  | Start Year:                  | 2016  |                  |    |  |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |           |              |           |              |           | 2017-2021     | Project Total |
|--|-------------------------|-----------|--------------|-----------|--------------|-----------|---------------|---------------|
|  |                         | 2017      | 2018         | 2019      | 2020         | 2021      |               |               |
| Planning                                   |                         |           |              |           |              |           |               |               |
| Acquisition-Land                           | 230                     |           |              |           |              |           |               | 230           |
| Design                                     | 1,618                   |           | 700          |           | 5,245        |           | 5,945         | 7,563         |
| Construction                               | 12,524                  | 40        | 4,040        | 40        | 40           | 40        | 4,200         | 16,724        |
| Equipment Acquisition                      |                         |           |              |           |              |           |               |               |
| Salary Recovery                            |                         |           |              |           |              |           |               |               |
| Other                                      |                         |           |              |           |              |           |               |               |
| <b>Total Allocation</b>                    | <b>14,373</b>           | <b>40</b> | <b>4,740</b> | <b>40</b> | <b>5,285</b> | <b>40</b> | <b>10,145</b> | <b>24,518</b> |
| <b>Source of Funds</b>                     |                         |           |              |           |              |           |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 14,373                  | 40        | 4,740        | 40        | 5,285        | 40        | 10,145        | 24,518        |
| <b>Total Funds</b>                         | <b>14,373</b>           | <b>40</b> | <b>4,740</b> | <b>40</b> | <b>5,285</b> | <b>40</b> | <b>10,145</b> | <b>24,518</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |  |
|---|--|------------------------------|-------|------------------|----|--|
| Project: Pre-Engineering for Water Projects   |  | Project No.                  |       | S-000101         |    |  |
| <b>Project Description</b>  |  |                              |       |                  |    |  |
| Program to develop candidate projects for future Capital Improvement Plans.                                   |  | <b>City Council District</b> |       |                  |    |  |
|   |  | Location                     | V     | Address Descr 2: |    |  |
|   |  | Served:                      | V     | Zip Codes:       |    |  |
|   |  | Key Map:                     |       | Category:        |    |  |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>  |  |                              |       |                  |    |  |
| The program supports an integrated, long-term plan for maintenance and expansion of the water infrastructure. |  | Units:                       | 0     |                  |    |  |
|   |  | Start Year:                  | 2016  |                  |    |  |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |              |      |      |      |      | 2017-2021    | Project Total |
|--|-------------------------|--------------|------|------|------|------|--------------|---------------|
|  |                         | 2017         | 2018 | 2019 | 2020 | 2021 |              |               |
| Planning                                   |                         |              |      |      |      |      |              |               |
| Acquisition-Land                           |                         |              |      |      |      |      |              |               |
| Design                                     | 2,000                   | <b>2,000</b> |      |      |      |      | 2,000        | 4,000         |
| Construction                               |                         |              |      |      |      |      |              |               |
| Equipment Acquisition                      |                         |              |      |      |      |      |              |               |
| Salary Recovery                            |                         |              |      |      |      |      |              |               |
| Other                                      |                         |              |      |      |      |      |              |               |
| <b>Total Allocation</b>                    | <b>2,000</b>            | <b>2,000</b> |      |      |      |      | <b>2,000</b> | <b>4,000</b>  |
| <b>Source of Funds</b>                     |                         |              |      |      |      |      |              |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 2,000                   | <b>2,000</b> |      |      |      |      | 2,000        | 4,000         |
| <b>Total Funds</b>                         | <b>2,000</b>            | <b>2,000</b> |      |      |      |      | <b>2,000</b> | <b>4,000</b>  |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|                                  |  |                              |      |                  |    |
|----------------------------------|--|------------------------------|------|------------------|----|
| Project: S Land Acquisition      |  | Project No.                  |      | S-00019A         |    |
| <b>Project Description</b>       |  |                              |      |                  |    |
| Real Estate Annual Appropriation |  | <b>City Council District</b> |      |                  |    |
|                                  |  | Location                     |      | Address Descr 2: |    |
|                                  |  | Served:                      |      | Zip Codes:       |    |
|                                  |  | Key Map:                     |      | Category:        |    |
|                                  |  | Location Code: UA-00         |      | Sub-Category:    |    |
| <b>Project Justification</b>     |  |                              |      |                  |    |
| Real Estate Annual Appropriation |  | Units:                       | 0    |                  |    |
|                                  |  | Start Year:                  | 2016 |                  |    |
|                                  |  | RCC Total                    | \$   | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |            |            |            |            |            | 2017-2021    | Project Total |
|--|-------------------------|------------|------------|------------|------------|------------|--------------|---------------|
|  |                         | 2017       | 2018       | 2019       | 2020       | 2021       |              |               |
| Planning                                   |                         |            |            |            |            |            |              |               |
| Acquisition-Land                           | 10,761                  | 500        | 390        | 500        | 500        | 500        | 2,390        | 13,151        |
| Design                                     |                         |            |            |            |            |            |              |               |
| Construction                               |                         |            |            |            |            |            |              |               |
| Equipment Acquisition                      |                         |            |            |            |            |            |              |               |
| Salary Recovery                            |                         |            |            |            |            |            |              |               |
| Other                                      |                         |            |            |            |            |            |              |               |
| <b>Total Allocation</b>                    | <b>10,761</b>           | <b>500</b> | <b>390</b> | <b>500</b> | <b>500</b> | <b>500</b> | <b>2,390</b> | <b>13,151</b> |
| <b>Source of Funds</b>                     |                         |            |            |            |            |            |              |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 10,761                  | 500        | 390        | 500        | 500        | 500        | 2,390        | 13,151        |
| <b>Total Funds</b>                         | <b>10,761</b>           | <b>500</b> | <b>390</b> | <b>500</b> | <b>500</b> | <b>500</b> | <b>2,390</b> | <b>13,151</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |
|---|--|------------------------------|-------|------------------|----|
| Project: Water Well Renewal Program   |  | Project No.                  |       | S-000200         |    |
| <b>Project Description</b>  |  |                              |       |                  |    |
| This program provides assement, evaluation, and rehabilitation of existing water wells to extend service life, improve water quality, and reduce maintenance costs. |  | <b>City Council District</b> |       |                  |    |
|   |  | Location                     | V     | Address Descr 2: |    |
|   |  | Served:                      | V     | Zip Codes:       |    |
|   |  | Key Map:                     | V     | Category:        |    |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>  |  |                              |       |                  |    |
| This program is necessary in order to improve the performance of wells, reliability, and demand of the system.  |  | Units:                       | 0     |                  |    |
|   |  | Start Year:                  | 2016  |                  |    |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |              |              |              |              |              | 2017-2021     | Project Total |
|--|-------------------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
|  |                         | 2017         | 2018         | 2019         | 2020         | 2021         |               |               |
| Planning                                   |                         |              |              |              |              |              |               |               |
| Acquisition-Land                           | 4                       |              |              |              |              |              |               | 4             |
| Design                                     | 1,732                   |              | 595          |              | 615          |              | 1,210         | 2,942         |
| Construction                               | 22,525                  | 3,570        | 3,570        | 3,690        | 3,690        | 3,690        | 18,210        | 40,735        |
| Equipment Acquisition                      |                         |              |              |              |              |              |               |               |
| Salary Recovery                            |                         |              |              |              |              |              |               |               |
| Other                                      |                         |              |              |              |              |              |               |               |
| <b>Total Allocation</b>                    | <b>24,261</b>           | <b>3,570</b> | <b>4,165</b> | <b>3,690</b> | <b>4,305</b> | <b>3,690</b> | <b>19,420</b> | <b>43,681</b> |
| <b>Source of Funds</b>                     |                         |              |              |              |              |              |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 24,261                  | 3,570        | 4,165        | 3,690        | 4,305        | 3,690        | 19,420        | 43,681        |
| <b>Total Funds</b>                         | <b>24,261</b>           | <b>3,570</b> | <b>4,165</b> | <b>3,690</b> | <b>4,305</b> | <b>3,690</b> | <b>19,420</b> | <b>43,681</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |                              |          |                  |
|--|------------------------------|----------|------------------|
| Project: Water Improvements under M/N  | Project No.                  | S-000500 |                  |
| <b>Project Description</b>   |                              |          |                  |
| Water Improvements completed under Street and Bridge or Stormwater Projects.   | <b>City Council District</b> |          |                  |
|  | Location                     |          | Address Descr 2: |
|  | Served:                      |          | Zip Codes:       |
|  | Key Map:                     |          | Category:        |
|  | Location Code: UA-00         |          | Sub-Category:    |
| <b>Project Justification</b>   |                              |          |                  |
| Water projects completed in conjunction with Street and Bridge or Stormwater Projects are less expensive and less disruptive to the community. | Units:                       | 0        |                  |
|  | Start Year:                  | 2016     |                  |
|  | RCC Total                    | \$       | RCA Total \$     |

| Project Allocation                         | Previous Appropriations |               |              |              |      |              | 2017-2021     | Project Total  |
|--|-------------------------|---------------|--------------|--------------|------|--------------|---------------|----------------|
|  |                         | 2017          | 2018         | 2019         | 2020 | 2021         |               |                |
| Planning                                   |                         |               |              |              |      |              |               |                |
| Acquisition-Land                           |                         |               |              |              |      |              |               |                |
| Design                                     |                         |               |              |              |      |              |               |                |
| Construction                               | 115,043                 |               |              |              |      |              |               | 115,043        |
| Equipment Acquisition                      |                         |               |              |              |      |              |               |                |
| Salary Recovery                            |                         |               |              |              |      |              |               |                |
| Other                                      | 1,101                   | 20,977        | 6,769        | 1,589        |      | 1,871        | 31,206        | 32,307         |
| <b>Total Allocation</b>                    | <b>116,144</b>          | <b>20,977</b> | <b>6,769</b> | <b>1,589</b> |      | <b>1,871</b> | <b>31,206</b> | <b>147,350</b> |
| <b>Source of Funds</b>                     |                         |               |              |              |      |              |               |                |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 116,144                 | 20,977        | 6,769        | 1,589        |      | 1,871        | 31,206        | 147,350        |
| <b>Total Funds</b>                         | <b>116,144</b>          | <b>20,977</b> | <b>6,769</b> | <b>1,589</b> |      | <b>1,871</b> | <b>31,206</b> | <b>147,350</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |  |
|---|--|------------------------------|-------|------------------|----|--|
| Project: Water Main Replacement by Other Govt   |  | Project No.                  |       | S-000521         |    |  |
| <b>Project Description</b>  |  |                              |       |                  |    |  |
| This program provides funding for the design and construction of water distribution mains replacement in coordination with projects by other governmental agencies. |  | <b>City Council District</b> |       |                  |    |  |
|   |  | Location                     | V     | Address Descr 2: |    |  |
|   |  | Served:                      | V     | Zip Codes:       |    |  |
|   |  | Key Map:                     | V     | Category:        |    |  |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>  |  |                              |       |                  |    |  |
| This program is to coordinate projects with other governmental agencies to avoid conflict, minimize disturbance to the neighborhood, and reduce cost.               |  | Units:                       | 0     |                  |    |  |
|   |  | Start Year:                  | 2016  |                  |    |  |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |      |            |      |      |      | 2017-2021  | Project Total |
|--|-------------------------|------|------------|------|------|------|------------|---------------|
|  |                         | 2017 | 2018       | 2019 | 2020 | 2021 |            |               |
| Planning                                   |                         |      |            |      |      |      |            |               |
| Acquisition-Land                           | 16                      |      |            |      |      |      |            | 16            |
| Design                                     | 1,195                   |      |            |      |      |      |            | 1,195         |
| Construction                               | 15,345                  |      |            |      |      |      |            | 15,345        |
| Equipment Acquisition                      |                         |      |            |      |      |      |            |               |
| Salary Recovery                            |                         |      |            |      |      |      |            |               |
| Other                                      | 7,846                   |      | 100        |      |      |      | 100        | 7,946         |
| <b>Total Allocation</b>                    | <b>24,403</b>           |      | <b>100</b> |      |      |      | <b>100</b> | <b>24,503</b> |
| <b>Source of Funds</b>                     |                         |      |            |      |      |      |            |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 24,403                  |      | 100        |      |      |      | 100        | 24,503        |
| <b>Total Funds</b>                         | <b>24,403</b>           |      | <b>100</b> |      |      |      | <b>100</b> | <b>24,503</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |
|--|--|------------------------------|-------|------------------|----|
| Project: Plant Decommission Program  |  | Project No.                  |       | S-000536         |    |
| <b>Project Description</b>   |  |                              |       |                  |    |
| This program provides decommission of ground water facilities as the result of the Surface Water Conversion and Regionalization. |  | <b>City Council District</b> |       |                  |    |
|  |  | Location                     | V     | Address Descr 2: |    |
|  |  | Served:                      | V     | Zip Codes:       |    |
|  |  | Key Map:                     | V     | Category:        |    |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>   |  |                              |       |                  |    |
| This program will improve efficiency of the Utility Operation and reduce O&M cost.   |  | Units:                       | 0     |                  |    |
|  |  | Start Year:                  | 2016  |                  |    |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |            |      |      |      |            | 2017-2021    | Project Total |
|--|-------------------------|------------|------|------|------|------------|--------------|---------------|
|  |                         | 2017       | 2018 | 2019 | 2020 | 2021       |              |               |
| Planning                                   |                         |            |      |      |      |            |              |               |
| Acquisition-Land                           |                         |            |      |      |      |            |              |               |
| Design                                     |                         |            |      |      |      |            |              |               |
| Construction                               | 4,410                   | 500        |      |      |      | 500        | 4,910        |               |
| Equipment Acquisition                      |                         |            |      |      |      |            |              |               |
| Salary Recovery                            |                         |            |      |      |      |            |              |               |
| Other                                      |                         |            |      |      |      |            |              |               |
| <b>Total Allocation</b>                    | <b>4,410</b>            | <b>500</b> |      |      |      | <b>500</b> | <b>4,910</b> |               |
| <b>Source of Funds</b>                     |                         |            |      |      |      |            |              |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 4,410                   | 500        |      |      |      | 500        | 4,910        |               |
| <b>Total Funds</b>                         | <b>4,410</b>            | <b>500</b> |      |      |      | <b>500</b> | <b>4,910</b> |               |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |
|--|--|------------------------------|-------|------------------|----|
| Project: Water Storage Tank Rehabilitation   |  | Project No.                  |       | S-000600         |    |
| <b>Project Description</b>   |  |                              |       |                  |    |
| This program provides for the cleaning, inspection, rehabilitation and preventive maintenance of existing water storage tanks.                 |  | <b>City Council District</b> |       |                  |    |
|  |  | Location                     | V     | Address Descr 2: |    |
|  |  | Served:                      | V     | Zip Codes:       |    |
|  |  | Key Map:                     | V     | Category:        |    |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>   |  |                              |       |                  |    |
| This program is necessary to meet the supply demand capacity, water storage capacity requirements of the TCEQ and the Annual State Inspection. |  | Units:                       | 0     |                  |    |
|  |  | Start Year:                  | 2016  |                  |    |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |               |              |              |              |              | 2017-2021     | Project Total |
|--|-------------------------|---------------|--------------|--------------|--------------|--------------|---------------|---------------|
|  |                         | 2017          | 2018         | 2019         | 2020         | 2021         |               |               |
| Planning                                   |                         |               |              |              |              |              |               |               |
| Acquisition-Land                           |                         |               |              |              |              |              |               |               |
| Design                                     | 5,797                   | 2,340         | 500          |              |              |              | 2,840         | 8,637         |
| Construction                               | 35,783                  | 14,100        | 5,000        | 5,000        | 5,000        | 4,000        | 33,100        | 68,883        |
| Equipment Acquisition                      |                         |               |              |              |              |              |               |               |
| Salary Recovery                            |                         |               |              |              |              |              |               |               |
| Other                                      |                         |               |              |              |              |              |               |               |
| <b>Total Allocation</b>                    | <b>41,580</b>           | <b>16,440</b> | <b>5,500</b> | <b>5,000</b> | <b>5,000</b> | <b>4,000</b> | <b>35,940</b> | <b>77,520</b> |
| <b>Source of Funds</b>                     |                         |               |              |              |              |              |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 41,580                  | 16,440        | 5,500        | 5,000        | 5,000        | 4,000        | 35,940        | 77,520        |
| <b>Total Funds</b>                         | <b>41,580</b>           | <b>16,440</b> | <b>5,500</b> | <b>5,000</b> | <b>5,000</b> | <b>4,000</b> | <b>35,940</b> | <b>77,520</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |  |                  |  |
|--|--|------------------------------|--|------------------|--|
| Project: Water Main Grid Extensions Program  |  | Project No.                  |  | S-000700-A       |  |
| <b>Project Description</b>   |  |                              |  |                  |  |
| This program provides for the design and construction of water main extension projects to improve circulation and fire protection. |  | <b>City Council District</b> |  |                  |  |
|  |  | Location                     |  | Address Descr 2: |  |
|  |  | Served:                      |  | Zip Codes:       |  |
|  |  | Key Map: V                   |  | Category:        |  |
|  |  | Location Code: UA-00         |  | Sub-Category:    |  |
| <b>Project Justification</b>   |  |                              |  |                  |  |
| This program is required for City to provide quality water service, fire protection, and improve system reliability.               |  | Units:                       |  | 0                |  |
|  |  | Start Year:                  |  |                  |  |
|  |  | RCC Total \$                 |  | RCA Total \$     |  |

| Project Allocation                         | Previous Appropriations |              |              |              |      |              | 2017-2021     | Project Total |
|--|-------------------------|--------------|--------------|--------------|------|--------------|---------------|---------------|
|  |                         | 2017         | 2018         | 2019         | 2020 | 2021         |               |               |
| Planning                                   |                         |              |              |              |      |              |               |               |
| Acquisition-Land                           |                         |              |              |              |      |              |               |               |
| Design                                     |                         | 1,030        |              | 1,000        |      | 3,000        | 5,030         | 5,030         |
| Construction                               |                         | 3,300        | 7,000        | 1,971        |      |              | 12,271        | 12,271        |
| Equipment Acquisition                      |                         |              |              |              |      |              |               |               |
| Salary Recovery                            |                         |              |              |              |      |              |               |               |
| Other                                      |                         |              |              |              |      |              |               |               |
| <b>Total Allocation</b>                    |                         | <b>4,330</b> | <b>7,000</b> | <b>2,971</b> |      | <b>3,000</b> | <b>17,301</b> | <b>17,301</b> |
| <b>Source of Funds</b>                     |                         |              |              |              |      |              |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd |                         | 4,330        | 7,000        | 2,971        |      | 3,000        | 17,301        | 17,301        |
| <b>Total Funds</b>                         |                         | <b>4,330</b> | <b>7,000</b> | <b>2,971</b> |      | <b>3,000</b> | <b>17,301</b> | <b>17,301</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |  |
|--|--|------------------------------|-------|------------------|----|--|
| Project: Lg Diameter Water Line Rehab  |  | Project No.                  |       | S-000701         |    |  |
| <b>Project Description</b>   |  |                              |       |                  |    |  |
| This program provides for the repairs and replacements of large diameter waterlines and valves in the distribution and transmission system.  |  | <b>City Council District</b> |       |                  |    |  |
|  |  | Location                     | V     | Address Descr 2: |    |  |
|  |  | Served:                      | V     | Zip Codes:       |    |  |
|  |  | Key Map:                     | V     | Category:        |    |  |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>   |  |                              |       |                  |    |  |
| This program is to ensure that large diameter waterlines be repaired or replaced to minimize the impacts of major water main shut downs. This would increase the quality of service and customer satisfaction. |  | Units:                       | 0     |                  |    |  |
|  |  | Start Year:                  | 2016  |                  |    |  |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |              |              |              |              |            | 2017-2021     | Project Total |
|--|-------------------------|--------------|--------------|--------------|--------------|------------|---------------|---------------|
|  |                         | 2017         | 2018         | 2019         | 2020         | 2021       |               |               |
| Planning                                   |                         |              |              |              |              |            |               |               |
| Acquisition-Land                           |                         |              |              |              |              |            |               |               |
| Design                                     | 301                     | 431          | 1,524        | 1,667        | 1,266        | 800        | 5,688         | 5,989         |
| Construction                               | 29,891                  | 6,713        | 2,783        | 6,130        | 7,875        |            | 23,501        | 53,392        |
| Equipment Acquisition                      |                         |              |              |              |              |            |               |               |
| Salary Recovery                            |                         |              |              |              |              |            |               |               |
| Other                                      |                         |              |              |              |              |            |               |               |
| <b>Total Allocation</b>                    | <b>30,192</b>           | <b>7,144</b> | <b>4,307</b> | <b>7,797</b> | <b>9,141</b> | <b>800</b> | <b>29,189</b> | <b>59,381</b> |
| <b>Source of Funds</b>                     |                         |              |              |              |              |            |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 30,192                  | 7,144        | 4,307        | 7,797        | 9,141        | 800        | 29,189        | 59,381        |
| <b>Total Funds</b>                         | <b>30,192</b>           | <b>7,144</b> | <b>4,307</b> | <b>7,797</b> | <b>9,141</b> | <b>800</b> | <b>29,189</b> | <b>59,381</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |  |
|--|--|------------------------------|-------|------------------|----|--|
| Project: Valve Replacement & Installation Program  |  | Project No.                  |       | S-000702         |    |  |
| <b>Project Description</b>   |  |                              |       |                  |    |  |
| This program provides for the inspection and replacement of missing or broken valves on water lines. |  | <b>City Council District</b> |       |                  |    |  |
|  |  | Location                     | V     | Address Descr 2: |    |  |
|  |  | Served:                      | V     | Zip Codes:       |    |  |
|  |  | Key Map:                     | V     | Category:        |    |  |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>   |  |                              |       |                  |    |  |
| The water distribution and transmission system will not function properly without the valves.        |  | Units:                       | 0     |                  |    |  |
|  |  | Start Year:                  | 2016  |                  |    |  |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |              |              |              |              |              | 2017-2021     | Project Total |
|--|-------------------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
|  |                         | 2017         | 2018         | 2019         | 2020         | 2021         |               |               |
| Planning                                   |                         |              |              |              |              |              |               |               |
| Acquisition-Land                           |                         |              |              |              |              |              |               |               |
| Design                                     |                         |              |              |              |              |              |               | 0             |
| Construction                               | 11,073                  | 2,180        | 2,220        | 2,000        | 2,300        | 2,000        | 10,700        | 21,773        |
| Equipment Acquisition                      |                         |              |              |              |              |              |               |               |
| Salary Recovery                            |                         |              |              |              |              |              |               |               |
| Other                                      |                         |              |              |              |              |              |               |               |
| <b>Total Allocation</b>                    | <b>11,073</b>           | <b>2,180</b> | <b>2,220</b> | <b>2,000</b> | <b>2,300</b> | <b>2,000</b> | <b>10,700</b> | <b>21,773</b> |
| <b>Source of Funds</b>                     |                         |              |              |              |              |              |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 11,073                  | 2,180        | 2,220        | 2,000        | 2,300        | 2,000        | 10,700        | 21,773        |
| <b>Total Funds</b>                         | <b>11,073</b>           | <b>2,180</b> | <b>2,220</b> | <b>2,000</b> | <b>2,300</b> | <b>2,000</b> | <b>10,700</b> | <b>21,773</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |    |                  |    |
|--|--|------------------------------|----|------------------|----|
| Project: Lake Houston Water Supply Projects  |  | Project No.                  |    | S-000890         |    |
| <b>Project Description</b>   |  |                              |    |                  |    |
| Repairs to Lake Houston Dam or other infrastructure associated with Lake Houston Water Supply. Coastal Water Authority is the facility operator. |  | <b>City Council District</b> |    |                  |    |
|  |  | Location                     |    | Address Descr 2: |    |
|  |  | Served:                      | W  | Zip Codes:       |    |
|  |  | Key Map:                     |    | Category: SUPPLY |    |
|  |  | Location Code: UA-00         |    | Sub-Category:    |    |
| <b>Project Justification</b>   |  |                              |    |                  |    |
| Lake Houston and associated infrastructure are part of the City's long term plan for water supply.   |  | Units:                       |    | 0                |    |
|  |  | Start Year:                  |    | 2011             |    |
|  |  | RCC Total                    | \$ | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |      |              |               |               |               | 2017-2021     | Project Total |
|--|-------------------------|------|--------------|---------------|---------------|---------------|---------------|---------------|
|  |                         | 2017 | 2018         | 2019          | 2020          | 2021          |               |               |
| Planning                                   |                         |      |              |               |               |               |               |               |
| Acquisition-Land                           |                         |      |              |               |               |               |               |               |
| Design                                     | 33                      |      |              |               |               |               |               | 33            |
| Construction                               | 223                     |      | 2,500        | 10,000        | 10,000        | 10,000        | 32,500        | 32,723        |
| Equipment Acquisition                      |                         |      |              |               |               |               |               |               |
| Salary Recovery                            |                         |      |              |               |               |               |               |               |
| Other                                      |                         |      |              |               |               |               |               |               |
| <b>Total Allocation</b>                    | <b>256</b>              |      | <b>2,500</b> | <b>10,000</b> | <b>10,000</b> | <b>10,000</b> | <b>32,500</b> | <b>32,756</b> |
| <b>Source of Funds</b>                     |                         |      |              |               |               |               |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 256                     |      | 2,500        | 10,000        | 10,000        | 10,000        | 32,500        | 32,756        |
| <b>Total Funds</b>                         | <b>256</b>              |      | <b>2,500</b> | <b>10,000</b> | <b>10,000</b> | <b>10,000</b> | <b>32,500</b> | <b>32,756</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |  |
|---|--|------------------------------|-------|------------------|----|--|
| Project: Surface Water Transmission Program   |  | Project No.                  |       | S-000900         |    |  |
| <b>Project Description</b>  |  |                              |       |                  |    |  |
| Project program provides for the design and construction of transmission and distribution lines to convey treated water from surface water facilities.  |  | <b>City Council District</b> |       |                  |    |  |
|   |  | Location                     | V     | Address Descr 2: |    |  |
|   |  | Served:                      | V     | Zip Codes:       |    |  |
|   |  | Key Map:                     | V     | Category:        |    |  |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>  |  |                              |       |                  |    |  |
| This program is required to comply with the Harris Galveston Subsidence District requirement and to implement City's regionalization plan. This program is part of the City's long range water supply plan. |  | Units:                       | 0     |                  |    |  |
|   |  | Start Year:                  | 2016  |                  |    |  |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                              | Previous Appropriations |                |                |                |                |                | 2017-2021      | Project Total  |
|---|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |                         | 2017           | 2018           | 2019           | 2020           | 2021           |                |                |
| Planning  |                         |                |                |                |                |                |                |                |
| Acquisition-Land                                | 2,070                   | 5,774          | 5,774          | 5,774          |                |                | 17,322         | 19,392         |
| Design  | 80,735                  | 18,532         | 52,129         | 7,473          | 9,850          | 11,769         | 99,753         | 180,488        |
| Construction                                    | 158,174                 | 85,286         | 107,410        | 130,785        | 147,971        | 135,788        | 607,240        | 765,414        |
| Equipment Acquisition                           |                         |                |                |                |                |                |                |                |
| Salary Recovery                                 |                         |                |                |                |                |                |                |                |
| Other   |                         |                |                |                |                |                |                |                |
| <b>Total Allocation</b>                         | <b>240,978</b>          | <b>109,592</b> | <b>165,313</b> | <b>144,032</b> | <b>157,821</b> | <b>147,557</b> | <b>724,315</b> | <b>965,293</b> |
| <b>Source of Funds</b>                          |                         |                |                |                |                |                |                |                |
| 4042 - Street & Trfc Control & Strm Drain DDSRF |                         |                |                | 3,499          | 3,569          | 5,807          | 12,875         | 12,875         |
| 8319 - PWE-W & S Contributed CAP                | 3,022                   |                |                |                |                | 56,500         | 56,500         | 59,522         |
| 8500 - PWE-W&S Syst Consolidated Constr Fd      | 237,956                 | 44,236         | 38,807         | 50,570         | 47,589         | 85,250         | 266,452        | 504,408        |
| Proposed TWDB (8319)                            |                         | 15,496         | 33,772         | 39,696         | 6,181          |                | 95,145         | 95,145         |
| Prop W&S Cap (8319)                             |                         | 26,024         | 92,734         | 50,267         | 79,472         |                | 248,497        | 248,497        |
| TWDB Water Auth 8319                            |                         | 23,836         |                |                | 21,010         |                | 44,846         | 44,846         |
| <b>Total Funds</b>                              | <b>240,978</b>          | <b>109,592</b> | <b>165,313</b> | <b>144,032</b> | <b>157,821</b> | <b>147,557</b> | <b>724,315</b> | <b>965,293</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |
|---|--|------------------------------|-------|------------------|----|
| Project: Condition Assessment and Rehabilitation  |  | Project No.                  |       | S-000901         |    |
| <b>Project Description</b>  |  |                              |       |                  |    |
| This program provides for inspection, rehabilitation, and replacement of large diameter water lines.  |  | <b>City Council District</b> |       |                  |    |
|   |  | Location                     | V     | Address Descr 2: |    |
|   |  | Served:                      | V     | Zip Codes:       |    |
|   |  | Key Map:                     | V     | Category:        |    |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>  |  |                              |       |                  |    |
| This program is necessary to provide preventive maintenance for large diameter water lines to ensure the demand capacity of water distribution and transmission system. |  | Units:                       | 0     |                  |    |
|   |  | Start Year:                  | 2016  |                  |    |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |            |              |      |              |               | 2017-2021     | Project Total |
|--|-------------------------|------------|--------------|------|--------------|---------------|---------------|---------------|
|  |                         | 2017       | 2018         | 2019 | 2020         | 2021          |               |               |
| Planning                                   |                         |            |              |      |              |               |               |               |
| Acquisition-Land                           |                         |            |              |      |              |               |               |               |
| Design                                     |                         | 195        | 621          |      | 3,475        | 4,291         | 4,291         |               |
| Construction                               | 26,895                  |            | 6,580        |      | 4,031        | 10,611        | 37,506        |               |
| Equipment Acquisition                      |                         |            |              |      |              |               |               |               |
| Salary Recovery                            |                         |            |              |      |              |               |               |               |
| Other                                      |                         |            |              |      |              |               |               |               |
| <b>Total Allocation</b>                    | <b>26,895</b>           | <b>195</b> | <b>7,201</b> |      | <b>7,506</b> | <b>14,902</b> | <b>41,797</b> |               |
| <b>Source of Funds</b>                     |                         |            |              |      |              |               |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 26,895                  | 195        | 7,201        |      | 7,506        | 14,902        | 41,797        |               |
| <b>Total Funds</b>                         | <b>26,895</b>           | <b>195</b> | <b>7,201</b> |      | <b>7,506</b> | <b>14,902</b> | <b>41,797</b> |               |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |  |
|---|--|------------------------------|-------|------------------|----|--|
| Project: Raw Water Transmission Lines   |  | Project No.                  |       | S-000902         |    |  |
| <b>Project Description</b>  |  |                              |       |                  |    |  |
| This program provides for the design and construction of raw water transmission lines to convey raw water to water purification facilities. |  | <b>City Council District</b> |       |                  |    |  |
|   |  | Location                     | V     | Address Descr 2: |    |  |
|   |  | Served:                      | V     | Zip Codes:       |    |  |
|   |  | Key Map:                     | V     | Category:        |    |  |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>  |  |                              |       |                  |    |  |
| This program is required to ensure that water purification plants are supplied with raw water in order to meet demand for purified water.   |  | Units:                       | 0     |                  |    |  |
|   |  | Start Year:                  | 2016  |                  |    |  |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |      |              |      |      |      | 2017-2021    | Project Total |
|--|-------------------------|------|--------------|------|------|------|--------------|---------------|
|  |                         | 2017 | 2018         | 2019 | 2020 | 2021 |              |               |
| Planning                                   |                         |      |              |      |      |      |              |               |
| Acquisition-Land                           |                         |      |              |      |      |      |              |               |
| Design                                     | 315                     |      | 351          |      |      |      | 351          | 666           |
| Construction                               | 25,035                  |      | 5,950        |      |      |      | 5,950        | 30,985        |
| Equipment Acquisition                      |                         |      |              |      |      |      |              |               |
| Salary Recovery                            |                         |      |              |      |      |      |              |               |
| Other                                      |                         |      |              |      |      |      |              |               |
| <b>Total Allocation</b>                    | <b>25,350</b>           |      | <b>6,301</b> |      |      |      | <b>6,301</b> | <b>31,651</b> |
| <b>Source of Funds</b>                     |                         |      |              |      |      |      |              |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 25,350                  |      | 6,301        |      |      |      | 6,301        | 31,651        |
| <b>Total Funds</b>                         | <b>25,350</b>           |      | <b>6,301</b> |      |      |      | <b>6,301</b> | <b>31,651</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |  |                              |       |                  |    |
|---|--|------------------------------|-------|------------------|----|
| Project: Automatic Meter Reading Program  |  | Project No.                  |       | S-000956         |    |
| <b>Project Description</b>  |  |                              |       |                  |    |
| This program provides for the purchase and installation of radio frequency automated meter reading devices and Mobile Data Command System to read meters. |  | <b>City Council District</b> |       |                  |    |
|   |  | Location                     | V     | Address Descr 2: |    |
|   |  | Served:                      | V     | Zip Codes:       |    |
|   |  | Key Map:                     | V     | Category:        |    |
|   |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>  |  |                              |       |                  |    |
| The program reduces manpower and allow monitoring water consumption on demand to reduce unaccounted water.  |  | Units:                       | 0     |                  |    |
|   |  | Start Year:                  | 2016  |                  |    |
|   |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |            |            |            |            |            | 2017-2021    | Project Total |
|--|-------------------------|------------|------------|------------|------------|------------|--------------|---------------|
|  |                         | 2017       | 2018       | 2019       | 2020       | 2021       |              |               |
| Planning                                   |                         |            |            |            |            |            |              |               |
| Acquisition-Land                           |                         |            |            |            |            |            |              |               |
| Design                                     |                         |            |            |            |            |            |              |               |
| Construction                               | 4,250                   |            |            |            |            |            |              | 4,250         |
| Equipment Acquisition                      | 7,637                   | 635        | 669        | 750        | 750        | 750        | 3,554        | 11,191        |
| Salary Recovery                            | 5,521                   |            |            |            |            |            |              | 5,521         |
| Other                                      |                         |            |            |            |            |            |              |               |
| <b>Total Allocation</b>                    | <b>17,408</b>           | <b>635</b> | <b>669</b> | <b>750</b> | <b>750</b> | <b>750</b> | <b>3,554</b> | <b>20,962</b> |
| <b>Source of Funds</b>                     |                         |            |            |            |            |            |              |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 17,408                  |            | 669        | 750        | 750        | 750        | 2,919        | 20,327        |
| Proposed TWDB (8500)                       |                         | 635        |            |            |            |            | 635          | 635           |
| <b>Total Funds</b>                         | <b>17,408</b>           | <b>635</b> | <b>669</b> | <b>750</b> | <b>750</b> | <b>750</b> | <b>3,554</b> | <b>20,962</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |
|--|--|------------------------------|-------|------------------|----|
| Project: Meter Replacement & Upgrade Program   |  | Project No.                  |       | S-000958         |    |
| <b>Project Description</b>   |  |                              |       |                  |    |
| This program provides removal, replacement, and upgrade of water meters to get accurate readings.  |  | <b>City Council District</b> |       |                  |    |
|  |  | Location                     | V     | Address Descr 2: |    |
|  |  | Served:                      | V     | Zip Codes:       |    |
|  |  | Key Map:                     | V     | Category:        |    |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>   |  |                              |       |                  |    |
| Replacement of the meters has been determined to be more cost effective than retrofitting the old meters and would increase annual revenues. |  | Units:                       | 0     |                  |    |
|  |  | Start Year:                  | 2016  |                  |    |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |              |              |              |              |              | 2017-2021     | Project Total |
|--|-------------------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
|  |                         | 2017         | 2018         | 2019         | 2020         | 2021         |               |               |
| Planning                                   |                         |              |              |              |              |              |               |               |
| Acquisition-Land                           |                         |              |              |              |              |              |               |               |
| Design                                     |                         |              |              |              |              |              |               |               |
| Construction                               |                         |              |              |              |              |              |               |               |
| Equipment Acquisition                      | 1,848                   | <b>2,500</b> | 2,200        | 2,200        | 2,200        | 3,000        | 12,100        | 13,948        |
| Salary Recovery                            |                         |              |              |              |              |              |               |               |
| Other                                      |                         |              |              |              |              |              |               |               |
| <b>Total Allocation</b>                    | <b>1,848</b>            | <b>2,500</b> | <b>2,200</b> | <b>2,200</b> | <b>2,200</b> | <b>3,000</b> | <b>12,100</b> | <b>13,948</b> |
| <b>Source of Funds</b>                     |                         |              |              |              |              |              |               |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 1,848                   |              | 2,200        | 2,200        | 2,200        | 3,000        | 9,600         | 11,448        |
| Proposed TWDB (8500)                       |                         | <b>2,500</b> |              |              |              |              | 2,500         | 2,500         |
| <b>Total Funds</b>                         | <b>1,848</b>            | <b>2,500</b> | <b>2,200</b> | <b>2,200</b> | <b>2,200</b> | <b>3,000</b> | <b>12,100</b> | <b>13,948</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |
|--|--|------------------------------|-------|------------------|----|
| Project: Pump Station Program  |  | Project No.                  |       | S-001000         |    |
| <b>Project Description</b>   |  |                              |       |                  |    |
| This program provides for the renewal of pump stations. Improvements include renovations, individual pump installation, replacement of electrical switchgear, generators, valves, meters, motors, pumps, lead abatement, site demolition, and roadway. |  | <b>City Council District</b> |       |                  |    |
|  |  | Location                     | V     | Address Descr 2: |    |
|  |  | Served:                      | V     | Zip Codes:       |    |
|  |  | Key Map:                     | V     | Category:        |    |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |
| <b>Project Justification</b>   |  |                              |       |                  |    |
| This program is necessary to meet the water system capacity requirements by the TCEQ and Annual State inspection.  |  | Units:                       | 0     |                  |    |
|  |  | Start Year:                  | 2016  |                  |    |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |

| Project Allocation                         | Previous Appropriations |               |              |              |               |               | 2017-2021     | Project Total  |
|--|-------------------------|---------------|--------------|--------------|---------------|---------------|---------------|----------------|
|  |                         | 2017          | 2018         | 2019         | 2020          | 2021          |               |                |
| Planning                                   |                         |               |              |              |               |               |               |                |
| Acquisition-Land                           |                         |               |              |              |               |               |               |                |
| Design                                     | 18,045                  | <b>2,000</b>  |              |              |               |               | 2,000         | 20,045         |
| Construction                               | 52,549                  | <b>20,465</b> | 8,340        | 6,476        | 31,050        | 10,500        | 76,831        | 129,380        |
| Equipment Acquisition                      | 6,840                   |               |              |              |               |               |               | 6,840          |
| Salary Recovery                            |                         |               |              |              |               |               |               |                |
| Other                                      |                         |               |              |              |               |               |               |                |
| <b>Total Allocation</b>                    | <b>77,433</b>           | <b>22,465</b> | <b>8,340</b> | <b>6,476</b> | <b>31,050</b> | <b>10,500</b> | <b>78,831</b> | <b>156,264</b> |
| <b>Source of Funds</b>                     |                         |               |              |              |               |               |               |                |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 77,433                  | <b>22,465</b> | 8,340        | 6,476        | 31,050        | 10,500        | 78,831        | 156,264        |
| <b>Total Funds</b>                         | <b>77,433</b>           | <b>22,465</b> | <b>8,340</b> | <b>6,476</b> | <b>31,050</b> | <b>10,500</b> | <b>78,831</b> | <b>156,264</b> |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|  |  |                              |       |                  |    |  |
|--|--|------------------------------|-------|------------------|----|--|
| Project: Water Substitute Service Program  |  | Project No.                  |       | S-002015         |    |  |
| <b>Project Description</b>   |  |                              |       |                  |    |  |
| The program consists of design and construction associated with removing water main lines from the rear of lots, and installing a new main line and service line in the front of the right of way at the City's expense. |  | <b>City Council District</b> |       |                  |    |  |
|  |  | Location                     | V     | Address Descr 2: |    |  |
|  |  | Served:                      | V     | Zip Codes:       |    |  |
|  |  | Key Map:                     | V     | Category:        |    |  |
|  |  | Location Code:               | UA-00 | Sub-Category:    |    |  |
| <b>Project Justification</b>   |  |                              |       |                  |    |  |
| The program is required to provide better service to customers with minimal disruption and lower maintenance costs.  |  | Units:                       | 0     |                  |    |  |
|  |  | Start Year:                  | 2016  |                  |    |  |
|  |  | RCC Total                    | \$    | RCA Total        | \$ |  |

| Project Allocation                         | Previous Appropriations |              |            |            |            |            | 2017-2021    | Project Total |
|--|-------------------------|--------------|------------|------------|------------|------------|--------------|---------------|
|  |                         | 2017         | 2018       | 2019       | 2020       | 2021       |              |               |
| Planning                                   |                         |              |            |            |            |            |              |               |
| Acquisition-Land                           |                         |              |            |            |            |            |              |               |
| Design                                     |                         |              |            |            |            |            |              |               |
| Construction                               | 3,148                   | 1,448        | 742        | 246        | 250        | 250        | 2,936        | 6,084         |
| Equipment Acquisition                      |                         |              |            |            |            |            |              |               |
| Salary Recovery                            |                         |              |            |            |            |            |              |               |
| Other                                      |                         |              |            |            |            |            |              |               |
| <b>Total Allocation</b>                    | <b>3,148</b>            | <b>1,448</b> | <b>742</b> | <b>246</b> | <b>250</b> | <b>250</b> | <b>2,936</b> | <b>6,084</b>  |
| <b>Source of Funds</b>                     |                         |              |            |            |            |            |              |               |
| 8500 - PWE-W&S Syst Consolidated Constr Fd | 3,148                   | 1,448        | 742        | 246        | 250        | 250        | 2,936        | 6,084         |
| <b>Total Funds</b>                         | <b>3,148</b>            | <b>1,448</b> | <b>742</b> | <b>246</b> | <b>250</b> | <b>250</b> | <b>2,936</b> | <b>6,084</b>  |

**2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

|   |                              |          |                  |
|---|------------------------------|----------|------------------|
| Project: Water Contingencies                    | Project No.                  | S-NA0000 |                  |
| <b>Project Description</b>                      |                              |          |                  |
| Contingency amount used to balance Adopted CIP. | <b>City Council District</b> |          |                  |
|   | Location                     | V        | Address Descr 2: |
|   | Served:                      | V        | Zip Codes:       |
|   | Key Map:                     |          | Category:        |
|   | Location Code:               | UA-00    | Sub-Category:    |
| <b>Project Justification</b>                    |                              |          |                  |
| Project is needed to balance CIP.               | Units:                       | 0        |                  |
|   | Start Year:                  |          |                  |
|   | RCC Total                    | \$       | RCA Total \$     |

| Project Allocation                              | Previous Appropriations |                |               |               |               |               | 2017-2021      | Project Total  |
|---|-------------------------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
|   |                         | 2017           | 2018          | 2019          | 2020          | 2021          |                |                |
| Planning  |                         |                |               |               |               |               |                |                |
| Acquisition-Land                                |                         |                |               |               |               |               |                |                |
| Design  |                         |                |               |               |               |               |                |                |
| Construction                                    |                         |                |               |               |               |               |                |                |
| Equipment Acquisition                           |                         |                |               |               |               |               |                |                |
| Salary Recovery                                 |                         |                |               |               |               |               |                |                |
| Other   |                         | -59,454        | -6,305        | -3,499        | -3,569        | -5,807        | -78,634        | -78,634        |
| <b>Total Allocation</b>                         |                         | <b>-59,454</b> | <b>-6,305</b> | <b>-3,499</b> | <b>-3,569</b> | <b>-5,807</b> | <b>-78,634</b> | <b>-78,634</b> |
| <b>Source of Funds</b>                          |                         |                |               |               |               |               |                |                |
| 4042 - Street & Trfc Control & Strm Drain DDSRF |                         |                |               | -3,499        | -3,569        | -5,807        | -12,875        | -12,875        |
| 8500 - PWE-W&S Syst Consolidated Constr Fd      |                         | -59,454        | -6,305        |               |               |               | -65,759        | -65,759        |
| <b>Total Funds</b>                              |                         | <b>-59,454</b> | <b>-6,305</b> | <b>-3,499</b> | <b>-3,569</b> | <b>-5,807</b> | <b>-78,634</b> | <b>-78,634</b> |