

| DRAFT- Dallas-Fort Worth Air Quality Improvement Plan Comprehensive Action Plan (CAP) Water and Wastewater Sector Measures                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                                                                                                                          |                                                               |                                                  |                                      |                                                        |                                                     |                  |                  |                  |                                 |                              |                                                                                                                                                                                                           |                                                                   |                                                                                   |                            |                  |                  |                  |                            |                  |                  |                  |                                                                                                                                                                                                |
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| As of November 10, 2025                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                            |                                                                                                                          |                                                               |                                                  |                                      |                                                        |                                                     |                  |                  |                  |                                 |                              |                                                                                                                                                                                                           |                                                                   |                                                                                   |                            |                  |                  |                  |                            |                  |                  |                  |                                                                                                                                                                                                |
| These measures were developed by refining measures published in March 2024 as part of the Dallas-Fort Worth Air Quality Improvement Plan; Priority Action Plan (PAP). To refine these measures, regional stakeholder support, estimated emission reductions, and feasibility were considered. For more information, including previous PAP measures, please visit <a href="http://www.publicinput.com/dfwqip">www.publicinput.com/dfwqip</a> . |                                                                                                            |                                                                                                                          |                                                               |                                                  |                                      |                                                        |                                                     |                  |                  |                  |                                 |                              |                                                                                                                                                                                                           |                                                                   |                                                                                   |                            |                  |                  |                  |                            |                  |                  |                  |                                                                                                                                                                                                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                       | Proposed CAP Measures                                                                                      |                                                                                                                          | Estimated % of Measure's Contribution to Category's Reduction | Implementing Agencies                            | Estimated Cost Per Project           | Explanation of Cost Estimate                           | Annual Emissions Benefits Per Project (Metric Tons) |                  |                  |                  | Level of Implementation in 2030 | Level of Implementation 2050 | Implementation Timelines                                                                                                                                                                                  | Implementation Milestones                                         | Metrics for Tracking Progress                                                     | Emissions Benefits in 2030 |                  |                  |                  | Emissions Benefits in 2050 |                  |                  |                  | Expected Community Benefits                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                | Measure Name                                                                                               | Project                                                                                                                  |                                                               |                                                  |                                      |                                                        | CO2e                                                | NOx              | VOC              | PM2.5            |                                 |                              |                                                                                                                                                                                                           |                                                                   |                                                                                   | CO2e                       | NOx              | VOC              | PM2.5            | CO2e                       | NOx              | VOC              | PM2.5            |                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            |                                                                                                                          |                                                               |                                                  |                                      |                                                        |                                                     |                  |                  |                  |                                 |                              |                                                                                                                                                                                                           |                                                                   |                                                                                   |                            |                  |                  |                  |                            |                  |                  |                  |                                                                                                                                                                                                |
| <b>Measure Category 1: Watershed Management: Contributes 28% of the Goal to Reduce Emissions 25% by 2050</b>                                                                                                                                                                                                                                                                                                                                   | Provide Economic Rebates for Green Infrastructure and Water Efficient Landscaping in Commercial Properties | Provide Economic Rebates for Green Infrastructure and Water Efficient Landscaping                                        | 0.06%                                                         | Local Governments & Water Service Providers      | \$ 200,000.00                        | Cost of rebate incentive                               | 0.67                                                | Unspecified      | Unspecified      | Unspecified      | 15                              | 50                           | Secure funding in year 1, establish enrollees and first installations by year 3, and evaluate project in year 5                                                                                           | Year 5- 15 Projects; Year 15- 40 Projects; Year 25- 50 Projects   | Number of enrollees; Number of installations; Outdoor irrigation gallons reduced. | 9.99                       | Unspecified      | Unspecified      | Unspecified      | 33.30                      | Unspecified      | Unspecified      | Unspecified      | New Green Space/Community Beautification; Increased Resiliency/Ability to Adapt; Improved Health and Well-Being; Increased Awareness/Engagement; Increased Resiliency/Ability to Adapt         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            | Update Local Policy, Codes, Drainage Criteria and Ordinances                                                             |                                                               |                                                  | \$ -                                 | N/A                                                    | Not Quantifiable                                    | Not Quantifiable | Not Quantifiable | Not Quantifiable | 5                               | 45                           | Ordinance introduced and public hearing conducted in year 1, Ordinance approved and executive governing body signs ordinance in years 2 and 3. Project evaluated in year 5 for its impact on water usage. | Year 5- 5 Projects; Year 15- 30 Projects; Year 25- 45 Projects    | Number of draft ordinance proposals introduced; Number of ordinances adopted      | Not Quantifiable           | Not Quantifiable | Not Quantifiable | Not Quantifiable | Not Quantifiable           | Not Quantifiable | Not Quantifiable | Not Quantifiable | New Green Space/Community Beautification; Increased Resiliency/Ability to Adapt; Improved Health and Well-Being; Increased Awareness/Engagement; Increased Resiliency and Adaptability         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            | Install Smart Controls and Sensors to LID and Green Infrastructure to Analyze and Quantify Stormwater Collection Efforts |                                                               |                                                  | -\$ 75 per sq foot of infrastructure | Cost of capital acquirement and installation           | 0.97                                                | Unspecified      | Unspecified      | Unspecified      | 25                              | 100                          | Secure funding for sensors and controls by year 2, procure vendors by year 3 and begining first installations by year 4, and evaluate in year 5                                                           | Year 5- 25 Projects; Year 15- 50 Projects; Year 25- 100 Projects  | Gallons of irrigation water reduced per installation                              | 24.30                      | Unspecified      | Unspecified      | Unspecified      | 97.20                      | Unspecified      | Unspecified      | Unspecified      | Green Spaces and Community Beautification, Job Creation and Economic Development, Increased Safety, Water Conservation; Increased Health and Well-Being; Increased Resiliency and Adaptability |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            | Update Building Standards for New Developments to Reduce Outdoor Irrigation Requirements                                 |                                                               |                                                  | \$ -                                 | N/A                                                    | Not Quantifiable                                    | Not Quantifiable | Not Quantifiable | Not Quantifiable | 5                               | 45                           | Ordinance introduced and public hearing conducted in year 1, ordinance approved and executive governing body signs ordinance in years 2 and 3, project evaluated in year 5 for its impact on water usage. | Year 5- 5 Projects; Year 15- 30 Projects; Year 25- 45 Projects    | Number of new building standards adopted                                          | Not Quantifiable           | Not Quantifiable | Not Quantifiable | Not Quantifiable | Not Quantifiable           | Not Quantifiable | Not Quantifiable | Not Quantifiable | Water Conservation; Increased Resiliency and Adaptability                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                | Increase Acreage of Native Plantings in Riparian Corridor Ecosystems                                       | Restore, Protect and Maintain Riparian Corridor Ecosystems                                                               | 0.07%                                                         | Local Governments & Applicable Water Districts   | \$ 4,000,000.00                      | Cost of planting materials, supplies, and installation | 11.00                                               | Unspecified      | Unspecified      | Unspecified      | 5                               | 15                           | Secure funding in year 1, procure vendors by year 3, complete installations by year 5, conduct maintenance and evaluations by year 5.                                                                     | Year 5- 5 Projects; Year 15- 10 Projects; Year 25- 15 Projects    | Acres of native plants installed                                                  | 55.00                      | Unspecified      | Unspecified      | Unspecified      | 165.00                     | Unspecified      | Unspecified      | Unspecified      | Green Spaces and Community Beautification; Improved Health and Well-Being; Increased Safety                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                | Construct Stormwater Detention Basins                                                                      | Construct Stormwater Detention Basins                                                                                    | 25%                                                           | MS4 Permit Holders & Applicable Water Districts  | \$ 4,000,000.00                      | Cost of construction equipment and dredging.           | 2005.44                                             | 1.02             | 0.04             | 0.10             | 2                               | 25                           | Secure funding by year 1, site assessment and design complete by year 2, site preparation and excavation by year 4, installation and stabilization by year 5.                                             | Year 5- 2 Projects; Year 15- 15 Projects; Year 25- 25 Projects    | Gallons of water stored and infiltrated                                           | 4010.89                    | 2.0              | 0.1              | 0.2              | 50136.12                   | 25.40            | 0.91             | 2.61             | Job Creation and Economic Development; Increased Resiliency and Adaptability                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                | Update Stormwater & Wastewater Conveyance Infrastructure                                                   | Install Smart Manhole Covers                                                                                             | 2.57%                                                         | MS4 Permit Holders, Wastewater Service Providers | \$ 40,000,000.00                     | Cost of manhole covers and installation                | 0.03                                                | Unspecified      | Unspecified      | Unspecified      | 20                              | 200                          | Site selection and secure funding by year 1, procure equipment by year 2, installation and evaluation by year 5                                                                                           | Year 5- 20 Projects; Year 15- 100 Projects; Year 25- 200 Projects | Number of blockages and leaks detected                                            | 0.56                       | Unspecified      | Unspecified      | Unspecified      | 5.60                       | Unspecified      | Unspecified      | Unspecified      | Improved Health and Well-Being; Water Conservation; Increased Resiliency and Adaptability                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            | Phase Out Traditional Pipe Repair in Favor of Trenchless Pipe Rehabilitation                                             |                                                               |                                                  | \$ 8,000,000.00                      | Cost of CIPP system supplies                           | 11.40                                               | Unspecified      | Unspecified      | Unspecified      | 15                              | 500                          | Secure funding by year 1, procure CIPP systems by year 2, train staff on new process by year 3, evaluate processes by year 5                                                                              | Year 5- 15 Projects; Year 15- 100 Projects; Year 25- 500 Projects | Number of projects completed with new process                                     | 171.00                     | Unspecified      | Unspecified      | Unspecified      | 5700.00                    | Unspecified      | Unspecified      | Unspecified      | Increased Resiliency and Adaptability                                                                                                                                                          |

| DRAFT- Dallas-Fort Worth Air Quality Improvement Plan Comprehensive Action Plan (CAP) Water and Wastewater Sector Measures                                                                                                                                                                                                                                                                                                                     |                                                                                                    |                                                                                                    |                                                               |                                      |                                                            |                                                                 |                                                     |                  |                  |                  |                                 |                              |                                                                                                                                                                                                                 |                                                                  |                                                                                     |                            |                  |                  |                  |                            |                  |                  |                                                                           |                                                                                                                |
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| As of November 10, 2025                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                    |                                                                                                    |                                                               |                                      |                                                            |                                                                 |                                                     |                  |                  |                  |                                 |                              |                                                                                                                                                                                                                 |                                                                  |                                                                                     |                            |                  |                  |                  |                            |                  |                  |                                                                           |                                                                                                                |
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| Category                                                                                                                                                                                                                                                                                                                                                                                                                                       | Proposed CAP Measures                                                                              |                                                                                                    | Estimated % of Measure's Contribution to Category's Reduction | Implementing Agencies                | Estimated Cost Per Project                                 | Explanation of Cost Estimate                                    | Annual Emissions Benefits Per Project (Metric Tons) |                  |                  |                  | Level of Implementation in 2030 | Level of Implementation 2050 | Implementation Timelines                                                                                                                                                                                        | Implementation Milestones                                        | Metrics for Tracking Progress                                                       | Emissions Benefits in 2030 |                  |                  |                  | Emissions Benefits in 2050 |                  |                  |                                                                           | Expected Community Benefits                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                | Measure Name                                                                                       | Project                                                                                            |                                                               |                                      |                                                            |                                                                 |                                                     |                  |                  |                  |                                 |                              |                                                                                                                                                                                                                 |                                                                  |                                                                                     |                            |                  |                  |                  |                            |                  |                  |                                                                           |                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                    |                                                                                                    |                                                               |                                      |                                                            |                                                                 | CO2e                                                | NOx              | VOC              | PM2.5            |                                 |                              |                                                                                                                                                                                                                 |                                                                  |                                                                                     | CO2e                       | NOx              | VOC              | PM2.5            |                            |                  |                  |                                                                           |                                                                                                                |
| Measure Category 2: Water & Wastewater Treatment Infrastructure: Contributes 46% of the Goal to Reduce Emissions 25% by 2050                                                                                                                                                                                                                                                                                                                   | Improve Water & Wastewater Treatment Process Efficiency                                            | Benchmark Utility Energy Consumption using Energy Star Portfolio Manager or Similar Tools **       | 40%                                                           | Water & Wastewater Service Providers | \$0 through Energy Star. Fees may vary for other services. | Energy Star Portfolio Manager is a free service                 | Not Quantifiable                                    | Not Quantifiable | Not Quantifiable | Not Quantifiable | 20                              | 75                           | Secure needed funding in year 1, Procure vendor by year 2, benchmark for one year, evaluate service by year 5                                                                                                   | Year 5- 20 Projects; Year 15- 50 Projects; Year 25- 75 Projects  | Number of utilities undergoing annual benchmarking                                  | Not Quantifiable           | Not Quantifiable | Not Quantifiable | Not Quantifiable | Not Quantifiable           | Not Quantifiable | Not Quantifiable | Job Creation and Economic Development; Increased Awareness and Engagement |                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                    | Develop Strategic Energy Management and Conservation Plan for Water Utilities **                   |                                                               |                                      | \$10,000.00-\$20,000.00                                    | Cost of consultant fees and software for benchmarking.          | Not Quantifiable                                    | Not Quantifiable | Not Quantifiable | Not Quantifiable | 5                               | 45                           | Secure needed funding in year 1, Procure vendor by year 2, complete necessary assessments by year 3, design and develop energy conservation plan by year 4, evaluate service by year 5                          | Year 5- 5 Projects; Year 15- 20 Projects; Year 25- 45 Projects   | Number of plans developed                                                           | Not Quantifiable           | Not Quantifiable | Not Quantifiable | Not Quantifiable | Not Quantifiable           | Not Quantifiable | Not Quantifiable | Job Creation and Economic Development; Increased Awareness and Engagement |                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                    | Update Aging Water/Wastewater Treatment Plant Infrastructure**                                     |                                                               |                                      | \$2,500,000.00                                             | Cost of design, strategic planning, equipment, and installation | 81.67                                               | 0.04             | Unspecified      | Unspecified      | 20                              | 75                           | Secure needed funding in year 1, Procure vendor by year 2, complete installations and construction by year 5                                                                                                    | Year 5- 20 Projects; Year 15- 50 Projects; Year 25- 75 Projects  | Annual kWhs reduced after upgrade                                                   | 1633.39                    | 0.82             | Unspecified      | Unspecified      | 6125.23                    | 3.06             | Unspecified      | Unspecified                                                               | Increased Resiliency and Adaptability                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                    | Increase On-Site Renewable Energy on Water/Wastewater Treatment Plant Sites**                      |                                                               |                                      | \$5,000,000.00                                             | Cost of design, strategic planning, equipment, and installation | 2884.70                                             | Unspecified      | Unspecified      | Unspecified      | 5                               | 20                           | Secure needed funding in year 1, Procure vendor by year 2, complete installations and construction by year 5                                                                                                    | Year 5- 5 Projects; Year 15- 12 Projects; Year 25- 20 Projects   | Annual kWhs reduced after upgrade                                                   | 14423.50                   | Unspecified      | Unspecified      | Unspecified      | 57693.98                   | Unspecified      | Unspecified      | Unspecified                                                               | Increased Resiliency and Adaptability; Improved Health and Well-Being                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                    | Implement Bio-Gas Capture & Reuse in Wastewater Treatment Plants                                   |                                                               |                                      | \$3,000,000.00                                             | Cost of design, strategic planning, equipment, and installation | 740.00                                              | Unspecified      | Unspecified      | Unspecified      | 5                               | 35                           | Secure needed funding in year 1, Procure vendor by year 2, complete installations and construction by year 5                                                                                                    | Year 5- 5 Projects; Year 15- 20 Projects; Year 25- 35 Projects   | Annual kWhs produced from biogas capture                                            | 3700.00                    | Unspecified      | Unspecified      | Unspecified      | 25900.00                   | Unspecified      | Unspecified      | Unspecified                                                               | Increased Resiliency and Adaptability                                                                          |
| Measure Category 3: Wastewater Infrastructure: Contributes 15% of the Goal to Reduce Emissions 25% by 2050                                                                                                                                                                                                                                                                                                                                     | Repair Aging or Failing On-site Sewage Facility Systems                                            | Provide Financial Rebates to Upgrade OSSF                                                          | 0.004%                                                        | Authorized Permitting Authorities    | \$8,000.00                                                 | Cost of drain field, pipes, and installation                    | 0.16                                                | 0.08             | Unspecified      | Unspecified      | 15                              | 50                           | Secure funding in year 1, identify sites in need of upgrade by year 3, procure equipment and vendors by year 4, complete first phase of upgrades by year 5.                                                     | Year 5- 15 Projects; Year 15- 30 Projects; Year 25- 50 Projects  | Annual number of system failures avoided through repair                             | 2.34                       | 1.17             | Unspecified      | Unspecified      | 7.80                       | 3.90             | Unspecified      | Unspecified                                                               | Improved Health and Well-Being; Increased Resiliency and Adaptability; Job Creation and Economic Development   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                | Provide Sanitary Sewage Upgrades in Developing Areas with Existing On-Site Sewage Facility Systems | Provide Sanitary Sewage Upgrades in Developing Areas with Existing On-Site Sewage Facility Systems | 0.002%                                                        | Wastewater Service Providers         | \$6,000,000.00                                             | Cost of sewer lines, hookup equipment and installation          | 0.0074                                              | Unspecified      | 0.004            | Unspecified      | 50                              | 500                          | Secure funding in year 1, identify sites to connect to wastewater system by year 2, procure equipment and vendors by year 4, complete first phase of connections and decommissioning on septic system by year 5 | Year 5- 50 Projects; Year 15- 75 Projects; Year 25- 500 Projects | Annual number of systems decommissioned due to the transition to wastewater service | 0.37                       | Unspecified      | 0.22             | Unspecified      | 3.70                       | Unspecified      | 2.18             | Unspecified                                                               | Improved Health and Well-Being; Increased Resiliency and Adaptability; Job Creation and Economic Development ; |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                | Improve Bio-Solids Management                                                                      | Convert Biosolids From Wastewater Treatment into Biochar                                           | 14%                                                           | Wastewater Service Providers         | \$15,000,000.00                                            | Cost of pyrolysis equipment                                     | 43.56                                               | Unspecified      | Unspecified      | Unspecified      | 10                              | 40                           | Secure funding by year 1, procure pyrolysis systems by year 3, install and train staff on new process by year 5, evaluate project by year 6.                                                                    | Year 5- 10 Projects; Year 15- 30 Projects; Year 25- 40 Projects  | Acres of biochar application                                                        | 435.60                     | Unspecified      | Unspecified      | Unspecified      | 1742.40                    | Unspecified      | Unspecified      | Unspecified                                                               | Increased Resiliency and Adaptability                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                    | Divert Biosolids from Wastewater Treatment into Waste-to-Energy Facilities                         |                                                               |                                      |                                                            | Cost of biogas storage and processing infrastructure            | 740.00                                              | Unspecified      | Unspecified      | Unspecified      | 10                              | 40                           | Secure funding by year 1, procure vendors and storage equipment by year 3, installation complete by year 4, train staff on new process by year 5.                                                               | Year 10- 5 Projects; Year 15- 30 Projects; Year 25- 40 Projects  | Amount of biogas diverted to facility                                               | 7400.00                    | Unspecified      | Unspecified      | Unspecified      | 29600.00                   | Unspecified      | Unspecified      | Unspecified                                                               | Increased Resiliency and Adaptability                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                | Implement Methods for Non-Potable Water Reuse                                                      | Implement Methods for Non-Potable Water Reuse                                                      | 1%                                                            | Wastewater Service Providers         | \$50,000,000.00                                            | Cost of pipelines and processing infrastructure                 | 36.30                                               | 0.02             | Unspecified      | Unspecified      | 15                              | 50                           | Secure funding by year 1, procure vendors and processing infrastructure by year 2, complete installation by year 5, evaluate in year 6.                                                                         | Year 5- 15 Projects; Year 15- 30 Projects; Year 25- 50 Projects  | Gallons diverted for reuse annually                                                 | 544.46                     | 0.27             | Unspecified      | Unspecified      | 1814.88                    | 0.91             | Unspecified      | Unspecified                                                               | Improved Health and Well-Being; Increased Resiliency and Adaptability; Water Conservation                      |

| DRAFT- Dallas-Fort Worth Air Quality Improvement Plan Comprehensive Action Plan (CAP) Water and Wastewater Sector Measures<br>As of November 10, 2025                                                                                                                                                                                                                                                                                            |                                                                                                                                    |                                                                                                                                                                                       |                                                                                                                                                 |                                          |                              |                                                                    |                                                     |                  |                  |                  |                                                                                                                                                                         |                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                                                                |                                           |                  |                  |                  |                            |                  |                                                                                                                                              |                                                                                                                                              |                                                                                               |                                                                       |
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| Category                                                                                                                                                                                                                                                                                                                                                                                                                                         | Proposed CAP Measures                                                                                                              |                                                                                                                                                                                       | Estimated % of Measure's Contribution to Category's Reduction                                                                                   | Implementing Agencies                    | Estimated Cost Per Project   | Explanation of Cost Estimate                                       | Annual Emissions Benefits Per Project (Metric Tons) |                  |                  |                  | Level of Implementation in 2030                                                                                                                                         | Level of Implementation 2050                                                                                                     | Implementation Timelines                                                                                                                                                                                                               | Implementation Milestones                                                                                                                                                                               | Metrics for Tracking Progress                                  | Emissions Benefits in 2030                |                  |                  |                  | Emissions Benefits in 2050 |                  |                                                                                                                                              |                                                                                                                                              | Expected Community Benefits                                                                   |                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Measure Name                                                                                                                       | Project                                                                                                                                                                               |                                                                                                                                                 |                                          |                              |                                                                    | CO2e                                                | NOx              | VOC              | PM2.5            |                                                                                                                                                                         |                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                                                                | CO2e                                      | NOx              | VOC              | PM2.5            |                            |                  |                                                                                                                                              |                                                                                                                                              |                                                                                               |                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                    |                                                                                                                                                                                       |                                                                                                                                                 |                                          |                              |                                                                    |                                                     |                  |                  |                  |                                                                                                                                                                         |                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                                                                |                                           |                  |                  |                  |                            |                  |                                                                                                                                              |                                                                                                                                              |                                                                                               |                                                                       |
| Measures Category 4: Water Resources: Contributes 17% of the Goal to Reduce Emissions 25% by 2050                                                                                                                                                                                                                                                                                                                                                | Implement Building-Scale Rainwater Harvesting for Commercial and Municipal Buildings                                               | Implement Building-Scale Rainwater Harvesting for Commercial and Municipal Buildings                                                                                                  | 1%                                                                                                                                              | Commercial and Municipal Property Owners | \$ 5,000.00                  | Cost of cistern, gutters, filters, and treatment equipment         | 150.00                                              | Unspecified      | Unspecified      | Unspecified      | 30                                                                                                                                                                      | 150                                                                                                                              | Secure funding by year 1, procure vendors and storage infrastructure by year 2, complete installation by year 6, evaluate in year 6.                                                                                                   | Year 5- 30 Projects; Year 15- 75 Projects; Year 25- 150 Projects                                                                                                                                        | Rainwater installations, gallons of irrigation water reduced   | 4500.00                                   | Unspecified      | Unspecified      | Unspecified      | 22500.00                   | Unspecified      | Unspecified                                                                                                                                  | Unspecified                                                                                                                                  | Increased Resiliency and Adaptability; Improved Health and Well-Being; Water Conservation     |                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Utilize Automated Metering Infrastructure to Identify and Repair Potential Sources of Water Loss                                   |                                                                                                                                                                                       |                                                                                                                                                 |                                          | \$ 20,000,000.00             | Cost of metering system                                            | 18.15                                               | 0.01             | Unspecified      | Unspecified      | 5                                                                                                                                                                       | 45                                                                                                                               | Secure funding in year 1, procure new metering systems by year 5, complete new meter hookups by year 4, train staff and evaluate project by year 5.                                                                                    | Year 5- 5 Projects; Year 15- 30 Projects; Year 25- 45 Projects                                                                                                                                          | Number of leaks detected annually                              | 90.74                                     | 0.05             | Unspecified      | Unspecified      | 816.70                     | 0.41             | Unspecified                                                                                                                                  | Unspecified                                                                                                                                  | Increased Resiliency and Adaptability; Water Conservation; Increased Awareness and Engagement |                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                    |                                                                                                                                                                                       |                                                                                                                                                 |                                          |                              |                                                                    |                                                     |                  |                  |                  |                                                                                                                                                                         |                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                                                                |                                           |                  |                  |                  |                            |                  |                                                                                                                                              |                                                                                                                                              |                                                                                               |                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Conduct a study on regional Aquifer Storage and Recovery Potential                                                                 |                                                                                                                                                                                       |                                                                                                                                                 |                                          | \$ 6,000,000.00              | Cost of land and equipment associated with construction of project | Not Quantifiable                                    | Not Quantifiable | Not Quantifiable | Not Quantifiable | 1                                                                                                                                                                       | 1                                                                                                                                | Secure funding in year 1, purchase land if needed in year 2, establish vendors relevant to the study and identify site for pilot study in year 3, install necessary infrastructure by year 5, evaluate annual water storage in year 6. | Year 5- 1 Project                                                                                                                                                                                       | Establishment of storage potential                             | Not Quantifiable                          | Not Quantifiable | Not Quantifiable | Not Quantifiable | Not Quantifiable           | Not Quantifiable | Not Quantifiable                                                                                                                             | Not Quantifiable                                                                                                                             | Improved Resiliency and Adaptability                                                          |                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                    |                                                                                                                                                                                       |                                                                                                                                                 |                                          |                              |                                                                    |                                                     |                  |                  |                  |                                                                                                                                                                         |                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                                                                |                                           |                  |                  |                  |                            |                  |                                                                                                                                              |                                                                                                                                              |                                                                                               |                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Improve Local Water Conservation                                                                                                   | Develop Aquifer Protection and Land Preservation Efforts                                                                                                                              |                                                                                                                                                 | 16%                                      | Water Service Providers      | \$ 1,500,000.00                                                    | Cost of land                                        | 245.01           | 0.12             | Unspecified      | 0.01                                                                                                                                                                    | 3                                                                                                                                | 50                                                                                                                                                                                                                                     | Secure funding in year 1, purchase land if needed in year 2, complete site assessment and system design in year 3, install necessary infrastructure by year 5, evaluate annual water storage in year 6. | Year 5- 3 Projects; Year 15- 30 Projects; Year 25- 50 Projects | Gallons of water stored in aquifer system | 735.03           | 0.37             | Unspecified      | 0.04                       | 12250.45         | 6.12                                                                                                                                         | Unspecified                                                                                                                                  | 0.68                                                                                          | Increased Resiliency and Adaptability; Improved Health and Well-Being |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                    | Establish Property Water Conservation Audits and Smart Water Rebate Programs                                                                                                          |                                                                                                                                                 | \$ 460,000.00                            | Cost of rebates and auditing | 108.89                                                             | 0.05                                                | Unspecified      | 0.005            | 20               | 100                                                                                                                                                                     | Secure funding in year 1, establish enrollees in year 2, conduct first audits in year 3, evaluate project and rebates by year 5. | Year 5- 20 Projects; Year 15- 30 Projects; Year 25- 100 Projects                                                                                                                                                                       | Number of audits conducted. Gallons of water reduced per Water User Group                                                                                                                               | 2177.86                                                        | 1.09                                      | Unspecified      | 0.09             | 10889.29         | 5.44                       | Unspecified      | 0.45                                                                                                                                         | Increased Resiliency and Adaptability; Improved Health and Well-Being; Water Conservation; Reduced Costs; Increased Awareness and Engagement |                                                                                               |                                                                       |
| Implement Municipal and Commercial Irrigation Repair Programs                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                    |                                                                                                                                                                                       | Audits are sometimes free of charge on behalf of utilities. Can cost between \$75-\$300 per repair, depending on the number of irrigation zones | Repair costs                             | 130.00                       | Unspecified                                                        | Unspecified                                         | Unspecified      | 25               | 75               | Secure funding in year 1, establish vendors in year 2, conduct audits in year 3, complete repairs from the first round of audits in year 4, evaluate project in year 5. | Year 5- 25 Projects; Year 15- 30 Projects; Year 25- 75 Projects                                                                  | Number of repairs made; Gallons of irrigation water reduced                                                                                                                                                                            | 3250.00                                                                                                                                                                                                 | Unspecified                                                    | Unspecified                               | Unspecified      | 9750.00          | Unspecified      | Unspecified                | Unspecified      | Increased Resiliency and Adaptability; Improved Health and Well-Being; Water Conservation; Reduced Costs; Increased Awareness and Engagement |                                                                                                                                              |                                                                                               |                                                                       |
| Measures Removed from DFW AQIP CAP: Water & Wastewater Sector                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                    |                                                                                                                                                                                       |                                                                                                                                                 |                                          |                              |                                                                    |                                                     |                  |                  |                  |                                                                                                                                                                         |                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                                                                |                                           |                  |                  |                  |                            |                  |                                                                                                                                              |                                                                                                                                              |                                                                                               |                                                                       |
| NA                                                                                                                                                                                                                                                                                                                                                                                                                                               | Expand Contamination Detection and Pollution Prevention Measures                                                                   | Measure Removed From Plan; The CAP is focused on the implementation of measures which provide quantifiable air quality benefits. This measure does not provide quantifiable benefits. |                                                                                                                                                 |                                          |                              |                                                                    |                                                     |                  |                  |                  |                                                                                                                                                                         |                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                                                                |                                           |                  |                  |                  |                            |                  |                                                                                                                                              |                                                                                                                                              |                                                                                               |                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pursue Energy Efficient Disinfection Processes                                                                                     | Measure Removed From Plan; Energy-efficient processes are already addressed elsewhere in this sector; therefore, this measure was not needed.                                         |                                                                                                                                                 |                                          |                              |                                                                    |                                                     |                  |                  |                  |                                                                                                                                                                         |                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                                                                |                                           |                  |                  |                  |                            |                  |                                                                                                                                              |                                                                                                                                              |                                                                                               |                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Update Bio-Solids Management from Wastewater Treatment for Placement into Low Carbon Soils to Sequester Carbon Through Landfarming | Measure Removed From Plan; There are current concerns about PFAS contamination related to biosolids and land application.                                                             |                                                                                                                                                 |                                          |                              |                                                                    |                                                     |                  |                  |                  |                                                                                                                                                                         |                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                                                                |                                           |                  |                  |                  |                            |                  |                                                                                                                                              |                                                                                                                                              |                                                                                               |                                                                       |