APPENDIX M: Water Supply Augmentation Strategy Schedule

Attachment 1 - Water Supply Augmentation Schedule Updates, 2015 - 2021 (Rev July 2021)

| | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | |
|------------------|---|----------------------------|------------------|----------------------|------------|------------|-------------------|-------------------------|--|--------------|--|--|------|---|
| | In Lieu Transfers/Exchanges | Agreements | Evaluate Lai | ger Project(s) | Full Scale | Agreements | Implement Transfe | ers/Exchanges | | | | | | |
| ιÜ | Aquifer Storage & Recovery | 0 | | 8)(-) | | | P | , | | | | | | |
| $\overline{\Xi}$ | Phase 1 Feasibility | | | | | | | | | | | | | |
| /201 | | | | | | | | | | | | | | |
| | Phase 2 Pilot Testing | | | | | | | | | | | | | |
| 9 | Phase 3 Implementation | ı | | | | | | | | | | | | |
| SA | | Evaluation | , t | Design/Permit/CEQA | 1 | | | | Construct | | | | | |
| <u> </u> | necycled water / Besumation | Evaluation | | Design, Fernit, GEQ1 | 1 | I | | | Construct | _ | | | | |
| > | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 0 | * * · · · · · | E' 11 B' H | î D : | | | | T 1 4 1 1 1 1 1 | | | | | | | |
| 5 | | Five Year Pilot Tr | ranster Project | 1 | | 1 | Explore Additiona | l Agreements | | | 1 | | | |
| Ñ | Aquifer Storage & Recovery - MCGB/Beltz Wells | | | | | | | | | | | | | |
| _ | Phase 1 Feasibility | <u></u> | ' | ' | | | | | | | | | | |
| ation, | Phase 2 Pilot Testing | | | | | | | | | | | | | |
| :Ξ— | | | | | | | | | | | | | | |
| Ę | Phase 3 Implementation | l l | | | | | | | | | | | | |
| <u>G</u> | Aquifer Storage & Recovery - MCGB/New Wells | | | | | | | | | | | | | |
| Ada | Phase 1 Feasibility | | | | | | · | | | | | | | 1 |
| ĕ – | | | | | | | | | | | | | | 1 |
| 7 | Phase 2 Pilot Testing | | | | | | | | | | | | | |
| ĕ | Phase 3 Implementation | 1 | | | | | | | | | | | | |
| Ž | Aquifer Storage & Recovery - SMGB | | | | | | | | | | | | | I |
| 유 | Phase 1 Feasibility | | | | | · | ' | | | | | | | 1 |
| <u>d</u> | | | | | | 1 | | | | | | | | 1 |
| <u> </u> | Phase 2 Pilot Testing | | | | | | | | | | | | | |
| ₹ | Phase 3 Implementation | ı | | | | | | | | | | | | • |
| <u>:</u> | Recycled Water | | | | | | | | | | | | | |
| | Desalination - Not being Pursued | 1 | | | | | | | | | | | | |
| | Desammation - 140t being 1 disued | | | | | | | | + | | | | | 1 |
| <u> </u> | | | | | | | | | | | | | | |
| _ | | | | | | | | | <u> </u> | | | | | 1 |
| | In Lieu Transfers | Five Year Pilot Tr | ransfer Project | | | | Second-Five Year | Pilot Transfer Project | t 🗆 | | | | | |
| | | 1110 1001 1100 11 | lansier i roject | | | | become tive rear | l liot Transfer Troject | _ | | | | | |
| | Aquifer Storage & Recovery - MCGB/Beltz Wells | | | | | | | | | | | | | 1 |
| | Phase 1 Feasibility | | | | | | | | | | | | | |
| | Phase 2 Pilot Testing | | | | | | | | | | | | | |
| | Phase 3 Implementation | | | | | | Beltz 12* | Г | Beltz 8 | | Ġ | <u>'</u> | | |
| | Aquifer Storage & Recovery - MCGB/New Wells | | | | | | Detail 12 | | _ Denta o | | | | | |
| | | | | | | | | | | | | | | |
| /2021 | Phase 1 Feasibility | | | | | | | | | | | | | |
| <u> </u> | Phase 2 Pilot Testing | | | | | | | | | | | | | |
| \sim | | | | | | | | | | | | | | |
| ` | Phase 3 Implementation | | | | | | | | | | | | Г | |
| > | Phase 3 Implementation | | | | | | | | | | | | | |
| T | Aquifer Storage & Recovery - SMGB | | | | | | | | | | | | | |
| T | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility | | | | | | | | | | | | С | |
| = | Aquifer Storage & Recovery - SMGB | | | | | | | | | | | | | |
| Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing | | | | | | | | | | | | | |
| s Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation | | | | | | | | | | | | | |
| ess Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan | | | | | | | ٥ | | | | | | |
| ess Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights | | | | | | | ٥ | | | | | | |
| ess Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification | | | | | | | \$ | | | | | | |
| rogress Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification | | | | | | | Ď. | | | | | | |
| rogress report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications | | | | | | | ٥ | | | | | | |
| rogress Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting | | | | | | | 0 | | | | | | |
| rogress report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis | | | | | | | • | | | | | | |
| rogiess nepor | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting | | | | | | | \$ | | | | | | |
| rogiess nepor | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update | | | | | | | * | | | | | | |
| rogress Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System | | | | | | | 0 | | | | | | |
| rogress Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options | | | | | | | 0 | | | | | | |
| rogress Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points | | | | | | | • | | | | | | |
| rogress Keport | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options | | | | | | | • | | | | | | |
| rogress report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water | | | | | | | • | | | | | | |
| rogress report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points | | | | | | | • | | | | | | |
| rogices technic | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water | | | | | | | • | | | | | | |
| rogiess nepor | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water | | 2017 | 2018 | 2019 | 2020 | 2021 | | 2023 | 2024 | 2025 | 2026 | 2027 | |
| rogress report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water | | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | |
| rogress report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water | | 2017 | 2018 | 2019 | 2020 | 2021 | | 2023 | 2024 | 2025 | 2026 | 2027 | |
| rogress report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water | | 2017 | 2018 | 2019 | 2020 | 2021 | | 2023 | 2024 | 2025 | 2026 | 2027 | |
| rogiess nepor | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued | | 2017 | 2018 | 2019 | 2020 | 2021 | | 2023 | | | 2026 | 2027 | |
| | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued | | 2017 | 2018 | 2019 | 2020 | 2021 | | 2023 | 2024 Key: | | 2026 | 2027 | |
| | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued | | 2017 | 2018 | 2019 | 2020 | 2021 | | 2023 | | | 2026 | 2027 | |
| | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued Notes: GHWTP FIP completion date = 2027/28 | 2016 | | 2018 | 2019 | 2020 | 2021 | | 2023 | Key: | | | | |
| | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued Notes: GHWTP FIP completion date = 2027/28 Project descriptions and timeframes are generalized and appr | 2016 coximated for simple | licity | | | | 2021 | | 2023 | Key: | = Some water prod | luction potentially ava | | |
| | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued Notes: GHWTP FIP completion date = 2027/28 | 2016 coximated for simple | licity | | | | 2021 | | 2023 | Key: | = Some water prod = Full water produc | luction potentially ava | | |
| | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued Notes: GHWTP FIP completion date = 2027/28 Project descriptions and timeframes are generalized and appr | 2016 coximated for simple | licity | | | | 2021 | | 2023 | Key: | = Some water prod | luction potentially ava | | |
| rhogness report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued Notes: GHWTP FIP completion date = 2027/28 Project descriptions and timeframes are generalized and appr | 2016 coximated for simple | licity | | | | 2021 | | 2023 | Key: | = Some water production = Full water production = Milestone | luction potentially ava | | |
| Progress Report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued Notes: GHWTP FIP completion date = 2027/28 Project descriptions and timeframes are generalized and appr | 2016 coximated for simple | licity | | | | 2021 | | 2023 | Key: | = Some water production = Full water production = Milestone = Mid-County Gro | luction potentially ava ction goal is met undwater Basin | | |
| Progress Report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued Notes: GHWTP FIP completion date = 2027/28 Project descriptions and timeframes are generalized and appr | 2016 coximated for simple | licity | | | | 2021 | | 2023 | Key: | = Some water production = Full water production = Milestone | luction potentially ava ction goal is met undwater Basin | | |
| Frogress Report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued Notes: GHWTP FIP completion date = 2027/28 Project descriptions and timeframes are generalized and appr | 2016 coximated for simple | licity | | | | 2021 | | 2023 | Key: | = Some water production = Full water production = Milestone = Mid-County Gro | luction potentially ava ction goal is met undwater Basin | | |
| Progress Report | Aquifer Storage & Recovery - SMGB Phase 1 Feasibility Phase 2 Pilot Testing Phase 3 Implementation SMGB Groundwater Sustainability Plan Water Rights EIR Certification Water Rights Modifications Aquifer Storage & Recovery Permitting Vulnerability Analysis Supply Model & Weather Generator Update Vulnerabilities of Existing System Adaptation Options Identify Trigger Points Recycled Water Desalination - Not being Pursued Notes: GHWTP FIP completion date = 2027/28 Project descriptions and timeframes are generalized and appr | 2016 coximated for simple | licity | | | | 2021 | | 2023 | Key: | = Some water production = Full water production = Milestone = Mid-County Gro | luction potentially ava ction goal is met undwater Basin | | |