Column1	Column2	Column3	Column4	354.44(a)	354.44(b)(2)&(5)	354.44(b)(2)&(5)5	354.44(b)(2)&(5)6	354.44(b)(4)	354.44(b)(4)7	354.44(b)(4)8	354.44(b)(8)
GSA	Status	Agency to Implement	Project or Management Action Title	Description	Description of how benefit was determined	Quantified Project Benefit	Project Benefit Units	Start Date	Completion Date	Completion by Milestone Year	Cost Estimate
NKGSA		Bakman Water Company	Water Meter Project	Bakman Water Company is installing water meters on all of its approximately 2,450 service connections in its service area.	The estimate of 20% conservation is based on recent studies and local case studies from others in the area.	870	AF/yr	2015	2025	2025	$2,907,000
NKGSA		Bakman Water Company	Fowler Spillway Recharge Basin Project	Construction of an approximately 11 acre recharge basin.	Assuming a percolation rate of 0.42 feet per day, a wetted perimeter of 10.3 acres, and an average of 120 days per year; the estimated yield is 519AF/yr.	519	AF/yr	2024	2027	2030	$2,750,000
NKGSA		Bakman Water Company	Groundwater Recharge at FMFCD facilities	Bakman Water Company is working with FID and FMFCD to recharge Bakman's contracted surface water at various FMFCD facilities in and around Bakman's boundary.	Quantity is estimated based on histroic and projected basin recharge capabilities.	2000	AF/yr	2024	2025	2025	$200,000
NKGSA		Biola CSD	Biola Groundwater Recharge Project	Construct a canal turnout and pipeline to deliver surface water from FID Herndon Canal to an existing storm drain basin that will be enlarged to hold 30 acre-feet of water.	The basin will be capable of percolating 2.5 a-f/day based on percolation tests. Assuming 60 days per year for percolation time, the total amount is 150 a-f /yr.	150	AF/yr	2020	2024	2025	$705,000
NKGSA		California State University Fresno	Surface Water Use Expansion Project	Development of facilities to extend surface water use to additional agricultural lands that currently cannot receive surface water	Estimated use of 2af/acre/yr of surface water on 300 acres of agricultural land that does not currently receive surface water	600	AF/yr	2026	2029	2030	$3,000,000
NKGSA		City of Clovis	Marion Recharge Basin Improvements	Improve recharge at the Marion Recharge Basins through a variety of measures to increase percolation including routine maintenance and capital projects.	Quantity is estimated. The City is entertaining the use of a proprietary product and/or installing dry wells to increase groundwater percolation.	2,500	AF/yr	2020	2025	2025	$500,000
NKGSA		City of Clovis	Clovis SWTP Pretreatment	This project will construct effective pretreatment for the existing 22.5 MGD surface water treatment plant (SWTP) so that the plant can continuously run during times of high turbidity in the water source.	It is estimated that the plant would be able to produce an average of an additional 125 MG per month over a 5 month (Jan - May) period which equates to 2,000 AF per year.	2,000	AF/yr	2025	2030	2030	$18,000,000
NKGSA		City of Clovis	Clovis SWTP Expansion	Expand the existing SWTP 22.5 MGD to a total of 45 MGD.	Production yield is based on the facility operating 335-days per year the 22.5-MGD increased rate	23,100	AF/yr	2035	2040	2040	$87,000,000
NKGSA		City of Clovis	ST-WRF Expansion	Expand the existing 2.8 MGD Clovis Sewage Treatment/Water Reuse Facility (ST-WRF) to 5.6 MGD and then to 8.4 MGD	2.8 MGD equates to 3,100 AFY (Current) 5.6 MGD equates to 6,300 AFY (2030) 8.4 MGD equates to 9,400 AFY (2042)	9,400	AF/yr	2035	2040	2040	$80,000,000
NKGSA		City of Clovis	Tarpey Village Metering Project	Install new water meters in all unmetered services in Tarpey Village, approximately 363 services. Located in the County of Fresno but part of the City of Clovis water service area.	Total metered consumption for 2020 CY = 0.188 MG/service average. Total unmetered consumption for 2020 CY = 0.401 MG/service average 0.401 - 0.188 = 0.213 MG difference per service per year * 363 unmetered services = 77.319 MG/year = 237 AFY.	237	AF/yr	2024	2025	2025	$550,000
NKGSA		City of Clovis	Clovis SWTP 3.5 MGD Water Tank	Construct a 3.5 MGD tank at the southeast SWTP in Clovis	A general estimate converting 3.5 MGD to AF/yr. The tank will allow for additional treated surface water storage to meet peak demands and to meet future growth and demands in the City.	3,900	AF/yr	2025	2026	2030	$10,000,000
NKGSA		City of Clovis	New Clovis SWTP	Construct a new 20 MGD SWTP, tank and pumps in the northern ara of the Clovis General Plan	20 MGD = ~22,400 AFY	22,400	AF/yr	2040	2040	2040	$100,000,000
NKGSA		City of Clovis	Basin Recharge Park	This 18-acre facility will serve as a dual-purpose project, providing park space and a nature facility that serves as a 6 acre recharge basin. The recharge basin would be capable of recharging approximately 151 AFY from the Enterprise Canal.	6 acres x 0.21 ft/day x 120 days/yr = 151AF/yr	151	AF/yr	2025	2030	2030	$7,000,000
NKGSA	Complete	City of Fresno	Residential Water Meter Retrofit Project	Install water meters on all residential service connections.	Per capita consumption after meters were installed averages 201 gpcd, compared to 277 gpcd before.	43,600	AF/yr	2010	2012	2015	$76,829,600
NKGSA	Complete	City of Fresno	T-3 Surface Water Treatment Facility	Expansion of 4mgd surface water treatment facility.	Production yield is based on the treatment plant running 180-days per year at a rate of 4-MGD. Actual production may vary depending on supply availability and other factors.	2,210	AF/yr	2011	2013	2015	$21,819,800

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GSA	Status	Agency to Implement	Project or Management Action Title	Description	Description of how benefit was determined	Quantified Project Benefit	Project Benefit Units	Start Date	Completion Date	Completion by Milestone Year	Cost Estimate
NKGSA	Complete	City of Fresno	Nielsen Recharge Facility	This project is to expand the City's groundwater recharge program and includes land acquisition, development of new recharge basin, structures and conveyance systems such as pipelines, canal turnouts, metering systems, and interties.	The provided value is the measured flow that was delivered to the facility last year for groundwater recharge purposes.	3,500	AF/yr	2015	2016	2020	$3,657,000
NKGSA	Complete	City of Fresno	Southeast Surface Water Treatment Facility	Constructuion of a new Southeast Surface Water Treatment Facility (SESWTF) and associated large diameter transmission mains. New facility is required to treat surface water diverted from the Kings River through canal and raw water pipeline system.	Production yield is based on the plant running 335-days per year at a rate of 80-MGD. Actual production may vary depending on supply availability and other factors.	82,240	AF/yr	2014	2019	2020	$314,600,000
NKGSA		City of Fresno	Northeast Surface Water Treatment Facility Expansion	This project is for the 30-MDG expansion of the existing surface water treatment facility for a total capability of 60-MGD. To enable water from the expansion to reach further into the City large diameter transmission mains will also be constructed.	Production yield is based on the plant expansion running 335-days per year at a rate of 30-MDG (this is only for the expansion). Actual production may vary on supply availability and other factors.	30,840	AF/yr	2025	2030	2030	$170,000,000
NKGSA		City of Fresno	Recycled Water Storage Tank & Booster Pump Station	Design and Construction of 3 Million Gallon Recycled Water Storage Tank and Booster Station to improve and ensure adequate delivery system level of service.	The present system is currently provides approximately 4000 AF, but with improved delivery capability City will be able to ensure new customers consistent delivery of quantities at appropriate system pressure a full capacity of about 5,800 AF.	1200	AF/yr	2023	2026	2030	$12,500,000
NKGSA		City of Fresno	RWRF Reclamation Well Pipeline and Storage Basin	Construct pipeline to intertie reclamation well outfall irrigation pipeline to recycled water distribution system. Includes conversion of existing aeration basin to storage basin.	The existing reclamation wells located at the Regional Wastewater Reclamation Facility are capable of producing 30,000 AF annually, so a portion of this production capability would be diverted to the recycled water distribution system to augment this resource's utilization.	10000	AF/yr	2024	2026	2030	$13,300,000
NKGSA		City of Fresno	Northwest Fresno Regional Recharge Facility	Approximately 40 to 60 acres of land will be acquired in the area near Shaw and Garfield Avenues. This facility will be able to capture flood flows and as well as City contract surface water supplies from FID to recharge the aquifer.	The estimated recharge benefit assumes a percolation rate of 0.4-feet per day over an annual average duration of 120-days per year. [40 acres x 0.5-ft/day x 120-days]	1920	AF/yr	2024	2028	2030	$9,000,000
NKGSA		City of Fresno	Southwest Fresno Regional Recharge Facility	Approximately 40 to 60 acres of land will be acquired in the area near Belmont and Blythe Avenues. This facility will be able to capture flood flows and as well as City contract surface water supplies from FID to recharge the aquifer.	The estimated recharge benefit assumes a percolation rate of 0.4-feet per day over an annual average duration of 120-days per year. [40 acres x 0.5-ft/day x 120-days]	1920	AF/yr	2028	2028	2030	$9,000,000
NKGSA		City of Fresno	Southeast Fresno Regional Recharge Facility	Approximately 40 to 60 acres of land will be acquired in the area near North and Peach Avenues. I This facility will be able to capture flood flows and as well as City contract surface water supplies from FID to recharge the aquifer.	The estimated recharge benefit assumes a percolation rate of 0.4-feet per day over an annual average duration of 120-days per year. [40 acres x 0.5-ft/day x 120-days]	1920	AF/yr	2030	2030	2030	$9,000,000
NKGSA		City of Fresno	Large Diameter Meter Replacement Project	Replace large diameter meters that have been under-reporting consumption	Anticipated lower consumption based on few meters that have been replaced	5000	AF/yr	2025	2030	2030	$18,000,000
NKGSA		City of Kerman	Lions Park Groundwater Recharge project	The proposed project would install the valving, piping, and metering equipment necessary to allow for regular distribution of FID surface water into the City's stormwater collection system, to be conveyed to the Lion's Park Stormwater Basin for groundwater recharge purposes.	The estimated recharge volume was calculated based on the basin size, percolation/recharge rate, and number of days water would be available for recharge.	195	AF/yr	2021	2024	2025	$207,000
NKGSA		City of Kerman	Basin 'C' Groundwater Recharge Project	The project will construct a turnout structure on the Houghton West No. 94 Canal and a pipeline along Madera Avenue from the Canal to the City Storm Drainage System north of Whitesbridge Road. The Project will allow for surface water from the Canal to be conveyed via the proposed pipeline to the City's Storm Drainage System, which will convey the surface water to City Basin 'C' for recharge purposes.	The benefit was quantified based on the proposed size of City Basin 'C' (1.89 acres), estimated percolation rate (12 in/day based on visual observations), and estimated number of days of surface water availability (4.5 months/135days). Based on these parameters, Basin 'C' could recharge approximately 255 AF/yr.	255	AF/yr	2027	2029	2030	$535,000
NKGSA		City of Kerman	Basin 'M' Groundwater Recharge Project	The project will construct an approximately 12 acre recharge basin, including basin excavation, structures, and a pipeline to convey surface water to the basin. The basin is shown on the City's General Plan to be located in the southwest quadrant of Nielsen and Siskiyou Avenues.	The benefit was quantified based on the proposed size of City Basin 'M' (12 acres), estimated percolation rate (6 in/day), and estimated number of days of surface water availability (4.5 months/135days). Based on these parameters, Basin 'M' could recharge approximately 776 AF/yr.	776	AF/yr	2032	2034	2035	$4,028,000

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GSA	Status	Agency to Implement	Project or Management Action Title	Description	Description of how benefit was determined	Quantified Project Benefit	Project Benefit Units	Start Date	Completion Date	Completion by Milestone Year	Cost Estimate
NKGSA		City of Kerman	Basin 'H' Recharge Project	The project will construct an approximately 11 acre recharge basin, including basin excavation, structures, and a pipeline to convey surface water to the basin. The basin is shown on the City's General Plan to be located in the southwest quadrant of Nielsen and Vineland Avenues.	The benefit was quantified based on the proposed size of City Basin 'D' (11 acres), estimated percolation rate (6 in/day), and estimated number of days of surface water availability (4.5 months/135days). Based on these parameters, Basin 'M' could recharge approximately 667 AF/yr.	667	AF/yr	2032	2034	2035	$3,705,000
NKGSA		City of Kerman	Basin 'P' Groundwater Recharge Project	The project will construct an approximately 7 acre recharge basin, including basin excavation, structures, and a pipeline to convey surface water to the basin. The basin is shown on the City's General Plan to be located in the northeast quadrant of Goldenrod and Whitesbridge.	The benefit was quantified based on the proposed size of City Basin 'H' (7 acres), estimated percolation rate (6 in/day), and estimated number of days of surface water availability (4.5 months/135days). Based on these parameters, Basin 'H' could recharge approximately 447 AF/yr.	447	AF/yr	2036	2038	2040	$2,396,000
NKGSA		County of Fresno	County of Fresno NKGSA Recharge Program	This project will implement priority projects identified in the Northeast Fresno-Clovis Area Potential and Groundwater Investigation (April 2015), to provide groundwater recharge in the County of Fresno area east of FID within the NKGSA. The report identified 19 potential recharge within Big Dry Creek, Dog Creek, as well as dedicated recharge basin sites.	The expected annual project benefits have not been identified in detail as the County still needs to evaluate the priority projects in detail. The estimated project benefit is subject to a negotiated water supply. Recharge within Big Dry Creek and Dog Creek will likely provide significant volume of recharge if water supply allows.	2,000	AF/yr	2025	2030	2030	$8,000,000
NKGSA	Complete	Fresno Irrigation District	Central Basin Recharge Project	The Fresno Irrigation District's Central Basin Project is approximately 90-acres of groundwater banking and recharge facilities at three locations.	The recharge potential of the project was calculated based on the available surface supply, basin volume (360AF, 90 wetted acres at 4 feet deep), diversion capacity (100cfs) and assumed infiltration rate of 0.25ft/day.	2,592	AF/yr	2018	2020	2025	$6,500,000
NKGSA	Complete	Fresno Irrigation District	Wagner Recharge Basin	The project is a 60-acre groundwater recharge basin, including earthwork and structures. The project will provide approximately 200 AF of flood water surface storage and recharge approximately 2,300 AF/year annual average.	The recharge potential was calculated based on approximmatly 50 acres of wetted area having an infiltration rate of 0.4ft per day, assuming water is available for approzimately 120 days per year.	2,300	AF/yr	2019	2021	2025	$4,276,780
NKGSA		Fresno Irrigation District	Savory Pond Expansion	FID will expand the expanding Savory Pond to an approximately 30-acre recharge basin near the corner of Lincoln & Chestnut Avenues.	The recharge potential was calculated based on approximmatly 30 acres of wetted area having an infiltration rate of 0.4ft per day, assuming water is available for approzimately 100 days per year.	1,200	AF/yr	2020	2022	2025	$2,000,000
NKGSA		Fresno Irrigation District	On-Farm Recharge Program	FID will establish a program to offer and encourage growers to perform on-farm recharge during wet years when would otherwise be lost to the region.	The program is in the conceptual phase and will be dependent on grower's willing to take surface water during wet periods. Floodwater is typically available every 3-4 years. A conservative estimate of 8,000AF of supply could be available for this program, with 4,000-8,000acres participating, netting an average annual benefit of 2,000af/yr.	2,000	AF/yr	2030	2030	2030	$200,000
NKGSA		Fresno Irrigation District	Wagner Basin Expansion Project	This project is an approximately 30-acre recharge basin, including earthwork and structures. The project will provide approximately 120 AF of flood water surface storage and recharge approximately 720 AF/year annual average.	The assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (50 acres x 0.5ft/day x 120 days x 4/10).	720	AF/yr	2030	2030	2030	$2,000,000
NKGSA		Fresno Irrigation District	Kenneson Sanchez Basin (formerly known as Shubin Pond Expansion Project)	This project is an approximately 40-acre recharge basin, including earthwork and structures. The project will provide approximately 120 AF of flood water surface storage and recharge approximately 720 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (40 acres x 0.5ft/day x 120 days x 4/10).	960	AF/yr	2023	2024	2025	$6,400,000

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GSA	Status	Agency to Implement	Project or Management Action Title	Description	Description of how benefit was determined	Quantified Project Benefit	Project Benefit Units	Start Date	Completion Date	Completion by Milestone Year	Cost Estimate
NKGSA		Fresno Irrigation District	Schneider Basin (formerly known as Empire Pond Expansion Project)	This project is an approximately 20-acre recharge basin, including earthwork and structures. The project will provide approximately 80 AF of flood water surface storage and recharge approximately 480 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (20 acres x 0.5ft/day x 120 days x 4/10).	480	AF/yr	2032	2033	2035	$3,800,000
NKGSA		Fresno Irrigation District	Carter-Bybee Basin (formerly known as Barstow Jameson Basin)	This project is an approximately 35-acre recharge basin, including earthwork and structures. The project will provide approximately 140 AF of flood water surface storage and recharge approximately 840 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (35 acres x 0.5ft/day x 120 days x 4/10).	840	AF/yr	2024	2025	2025	$5,500,000
NKGSA		Fresno Irrigation District	Hornor Basin (formerly known as Lambrecht Pond Expansion Project)	This project is an approximately 35-acre recharge basin, including earthwork and structures. The project will provide approximately 140 AF of flood water surface storage and recharge approximately 840 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (35 acres x 0.5ft/day x 120 days x 4/10).	840	AF/yr	2025	2030	2030	$5,400,000
NKGSA		Fresno Irrigation District	Laub Basin (formerly known as Central Hughes Basin Expansion Project)	This project is an approximately 75-acre recharge basin, including earthwork and structures. The project will provide approximately 300 AF of flood water surface storage and recharge approximately 1,800 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (75 acres x 0.5ft/day x 120 days x 4/10).	1800	AF/yr	2027	2030	2030	$10,500,000
NKGSA		Fresno Irrigation District	Schmall Recharge Basin (formerly Barstow Westlawn)	This project is an approximately 50-acre recharge basin, including earthwork and structures. The project will provide approximately 200 AF of flood water surface storage and recharge approximately 1200 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (50 acres x 0.5ft/day x 120 days x 4/10).	1200	AF/yr	2028	2030	2030	$7,600,000
NKGSA		Fresno Irrigation District	Krum Basin (formerly known as Whitesbridge Nielsen Recharge Basin)	This project is an approximately 55-acre recharge basin, including earthwork and structures. The project will provide approximately 220 AF of flood water surface storage and recharge approximately 1,320 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (50 acres x 0.5ft/day x 120 days x 4/10).	1,320	AF/yr	2025	2030	2030	$8,100,000
NKGSA		Fresno Irrigation District	Big Dry Creek Restoration and Urban Access Improvement Project	A multi-agency collaborative project providing improved flood protection, maintain safe creek trail access, and improved recharge through increased capacity.	The project would increase the capacity of Big Dry Creek from an estimated 50 cfs to the Army Corps of Engineerns masterplanned flo rate of 150 cfs. Floodwater is typically available every 3-4 years. It is estimated that over a three month period, the additional 100cfs could convey an estimated 18,000AF into NKGSA, netting an average annual benefit of 4500AF.	4,500	AF/yr	2025	2026	2030	$3,500,000
NKGSA		Fresno Irrigation District	Friant-Kern Canal Turnout to Big Dry Creek	A multi-agency collaborative project providing direct recharge along the Big Dry Creek channel north and east of Clovis. The new turnout will allow for the City of Fresno and FID to divert water in wetter years and recharge in the Big Dry Creek channel. The project is located in an area without surface water supplies and will also provide environmental enhancement and protection as well as off stream storage.	The project would provide the ability to divert up to 10,000 AF from the Frian-Kern Canal into Big Dry Creek Reservoir during years with floodwater. Floodwater is tyicaly available every 3-4 years, netting an average annual benefit of 2,500AF.	2,500	AF/yr	2026	2027	2030	$3,500,000
NKGSA		Fresno Irrigation District	Basin Interties	This project will construct interties at certain FMFCD basin sites. The project will focus on sites not yet intertied with an FID canal system for delivery of surface water when available during irrigation season. Initially 3 sites have been identified, but additional sites may be added. The project will recharge approximately 840 AF/year annual average.	The estimated recharge benefit of 840AF/yr is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (35 acres x 0.5ft/day x 120 days x 4/10).	840	AF/yr	2024	2025	2025	$1,200,000
NKGSA		Fresno Irrigation District	Badhesha Basin (Hughes & North Ave)	This project is an approximately 28-acre recharge basin, including earthwork and structures. The project will provide approximately 100 AF of flood water surface storage and recharge approximately 672 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (28 acres x 0.5ft/day x 120 days x 4/10).	672	AF/yr	2030	2031	2035	$4,200,000

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NKGSA		Fresno Irrigation District	Crossland Basin (Butler & DeWolf Ave)	This project is an approximately 20-acre recharge basin, including earthwork and structures. The project will provide approximately 80 AF of flood water surface storage and recharge approximately 480 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (20 acres x 0.5ft/day x 120 days x 4/10).	480	AF/yr	2029	2030	2030	$3,700,000
NKGSA		Fresno Irrigation District	Metzler Basin (Shaw & Jameson)	This project is an approximately 20-acre recharge basin, including earthwork and structures. The project will provide approximately 80 AF of flood water surface storage and recharge approximately 480 AF/year annual average.	The estimated recharge benefit is based on an assumed infiltration rate of 0.5 feet per day for 120 days during wet years which occurs 4 out of every 10 years. (20 acres x 0.5ft/day x 120 days x 4/10).	480	AF/yr	2028	2030	2030	$3,800,000
NKGSA		Garfield Water District	Ricchiuti Recharge Basin Project	The District proposes to annex into the District the remaining portion of APN 580-040-01, an existing five (5) acre basin, then construct a delivery connection from its distribution system to the existing basin to allow for the delivery of surface water for recharge.	The five (5) acre site is anticipated to have an infiltration/percolation rate of .625 feet per day with water being available an average of 240 days per year.	150	AF/yr	2020	2020	2025	$175,000
NKGSA		Malaga County Water District	Basin CF - Stormwater Recharge and Flood Protection Project	This project will construct an intertie (connection) between FMFCD's existing Basin "CF" with FID's Washington Colony Canal No. 15 to allow for the delivery of surface water for recharge into the basin.	The 20 acre site will have an approximately 18 acre wetted basin area and is anticipated to have an infiltration rate of 0.45 feet per day, and water is assumed to be available an average of 120 days per year.	970	AF/yr	2021	2025	2025	$1,072,036
NKGSA		Pinedale County Water District	Basin DH2 Intertie	The project will re-intertie and allow for the utilization of Basin DH for groundwater recharge using surface water by agreement with FID	The 8 acre site will have approximately a 4 acre wetted basin area and is anticipted to have an infiltration rate of 0.5 feet er day, and water is assumed to average 120 days per year	240	AF/yr	2024	2024	2025	$10,000
NKGSA		Pinedale County Water District	PCWD residential meter installation	The District has initiated efforts to secure funding for plans to install residential water meters (including multi-unit customers) and switch from a fixed flat-rate to a volumetric rate based on consumption. The project also includes replacing 8,050 feet of old main lines. The project will be bolstered by outdoor water restrictions and conservation efforts.	Studies show a range of 15% - 20% reduction in water usage when water utilities switch to volumetric charging for consumptive use. To be conservative, we will expect a 10% reduction in use.	210	AF/yr	2022	2022	2025	$7,000,000
ALL		Each GSA as applicable	Surface Water - Groundwater Interconnection Data Gap Analysis	The GSA currently lacks sufficient information on where local rivers are interconnected with groundwater, to what extent groundwater pumping is depleting surface water, if at all, and how river management programs ameliorate impacts of surface water depletions. This study will help provide a better picture of the extent groundwater pumping is impacting surface water and whether the GSA considers those impacts to be significant and unreasonable. This information can then be used to develop sustainable management criteria. Due to the length of the project description, it is provided in supplementary text in the GSP outside of this table.							$500,000 - $1,000,000
ALL		Each GSA as Applicable	Domestic Well Mitigation Program	The project includes developing policies, procedures and funding mechanisms for a program to mitigate domestic wells that go dry. This description was developed with guidance from the Framework for a Drinking Water Well Impact Mitigation Program (Self Help Enterprises et al.).Due to the length of the project description, it is provided in supplementary text in the GSP outside of this table.				2024	2040		