

DRAFT
Regional Water Planning Update

Projects, Programs, and Policies

Water Planning Region: Middle Rio Grande Region 12

Planning Region	County	Regional or System Specific (R), (SS)	Strategy Type (Project, Program or Policy)	Subcategory	Project Name	Source of Project Information	Description	Project lead (Entity or Organization)	Partners (other entities or participants)	Timeframe (Fiscal Year)	Planning Phase	Cost	Need or reason for the project, program, or policy	Comments
Middle Rio Grande	Sandoval	SS	Project	StormWater System Infrastructure	Canon del Agua East flood control dam	2015 WTB application		804 Eastern Sandoval County Flood Control Authority (ESCAFCA)				\$100,000,000		
Middle Rio Grande	Sandoval	SS	Project	StormWater System Infrastructure	Construction of flood control dam	2015 WTB application		785 Southern Sandoval County Arroyo Flood Control Authority (SSCAFA)				\$950,000		
Middle Rio Grande	Valencia	SS	Project	Wastewater System Infrastructure	Detention Pond	2015 WTB application		779 Belen, City of				\$925,000		
Middle Rio Grande	Sandoval	SS	Project	Wastewater System Infrastructure	Phase II Treatment System Improvements	2015 WTB application		835 Cuba, Village of				\$1,995,141		
Middle Rio Grande	Sandoval	SS	Project	Wastewater System Infrastructure	Equipping water treatment facility	2015 WTB application		783 Rio Rancho, City of				\$4,800,000		
Middle Rio Grande	Sandoval	SS	Project	Water Reuse	Water reuse storage reservoir	2015 WTB application		789 Rio Rancho, City of				\$3,750,000		
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	waterline installation	2015 WTB application		769 Bernalillo, Town of				\$1,200,000		
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Rehabilitation of well	2015 WTB application		803 Bernalillo, Town of				\$750,000		
Middle Rio Grande	Bernalillo	SS	Project	Water System Infrastructure	Water System Improvements	2015 WTB application		818 Green Ridge MDWCA				\$300,000		
Middle Rio Grande	Valencia	SS	Project	Water System Infrastructure	transmission line installation	2015 WTB application		722 Los Lunas, Village of				\$2,400,000		
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	North end Upgrade	2015 WTB application		830 Regina MDWCA				\$500,000		
Middle Rio Grande	Bernalillo	SS	Project	Water System Infrastructure	Village of Tijeras Water System	2015 WTB application		642 Tijeras, Village of				\$603,500		
Middle Rio Grande	Bernalillo, Socorro, Valencia, Sandoval	R	Project	Watershed Restoration	Middle Rio Grande ESA Habitat Restoration and Captive Propagation Facility Improvements	2015 WTB application		542 Office of the State Engineer/Interstate Stream Commission				\$450,000		
Middle Rio Grande	Bernalillo	SS	Project	Watershed Restoration	Water System Protection and Wildfire Safety in a Wildland Urban Interface	2015 WTB application		833 Ciudad Soil & Water Conservation				\$61,494		
Middle Rio Grande	Bernalillo	R	Project	Watershed Restoration	Riparian Restoration Project through the Greater Rio Grande Watershed Alliance	2015 WTB application		806 Claunch-Pinto SWCD				\$600,000		
Middle Rio Grande	Bernalillo, Santa Fe, Tarrant	R	Project	Watershed Restoration	Estancia Basin Watershed Health, Restoration and Monitoring Project	2015 WTB application		612 Claunch-Pinto SWCD				\$600,000		
Middle Rio Grande	Bernalillo, Rio Arriba, Santa Fe, Valencia	R	Project	Watershed Restoration	Riparian Restoration Project through the Greater Rio Grande Watershed Alliance	2015 WTB application		618 Claunch-Pinto SWCD				\$600,000		
Middle Rio Grande	Sandoval	SS	Project	Watershed Restoration	Forest Restoration	2016-2020 ICIP Project List	29763					\$75,000		didn't see on the 2017-2021 list

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Middle Rio Grande	Statewide	R	Project	Watershed Restoration	Wildlife, Fisheries, and Riparian Habitat Restoration	2017-2021 ICIP	The agency is involved in the planning, design, and completion of wildlife habitat and watershed restoration projects across jurisdictional boundaries throughout the state of New Mexico. These projects include prescribed burning, thinning of woodland and forests, reseeding of rangeland, and the restoration of wetlands and riparian areas. Each project is a multi-year effort with design and archeological and environmental compliance activities preceding treatment implementation on the ground. Past funds have supported or are earmarked for compliance and/or implementation activities across more than 250,000 acres on US Forest Service, Bureau of Land Management, Department of Game & Fish, and NM State Land Office properties in New Mexico. FY17 funds will increase the number of acres with completed compliance and/or with active restoration on the ground by up to 100,000 acres.	Department of Game and Fish	US Forest Service, Bureau of Land Mangament, NM State Land Office			\$ 8,100,000		Project ID# 29353
Middle Rio Grande	Statewide	R	Project	Watershed Restoration	Watershed Restoration and Community Wildfire Protection	2017-2021 ICIP	The Forestry Division of EMNRD is requesting \$10,000.0 as a standalone project and will request equal amounts annually for funding other thinning projects that will restore public watersheds. Projects will help protect public lands in areas that have been identified as high value and risk to water quality and supplies from wildfires. Forest thinning creates vigor and resiliency of the remaining trees while preventing attacks from insect infestations, disease and wildfire and can deter the lasting effects of drought. Thinning projects not only improve the health of the forest, but it also protects the health and safety of New Mexico communities and their valuable drinking water supplies. New Mexico State Forestry has an excellent track record of implementing projects that add value to the entire state. Agreements have been entered into with federal, state, county, municipal and soil water conservation districts to distribute these funds. It is estimated that these state funds will help employ or create jobs for 160-200 New Mexicans while the efforts of thinning will produce 6,600 to 8,400 acres.	Energy, Minerals and Natural Resources - Forestry Division	NM Forestry			\$ 58,070,919		Project ID# 30464
Middle Rio Grande	Valencia	SS	Project	StormWater System Infrastructure	Storm Water Plan	2017-2021 ICIP Project List						\$100,000		Project ID 28668
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1656 Arenal and Coors to Isleta Drain Storm Drain	2017-2021 ICIP Project List						\$2,700,000		Project ID 30366
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	Stormwater Quality System Improvements	2017-2021 ICIP Project List						\$186,000		Project ID 18063
Middle Rio Grande	Valencia	SS	Project	StormWater System Infrastructure	Valencia Levee Reconstruction	2017-2021 ICIP Project List						\$500,000		Project ID 27868
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	10 So Valley Flood Reduct/Dist 2 Storm Drain Proj	2017-2021 ICIP Project List						\$23,000,000		Project ID 21683
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1675 Blake-Isleta to Perry Pnd(Vista del Rio Ph.4)	2017-2021 ICIP Project List						\$8,191,550		Project ID 28631
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	135 Joe Sanchez Road Storm Drain	2017-2021 ICIP Project List						\$2,400,000		Project ID 21696
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1800 Sunset Storm Drain	2017-2021 ICIP Project List						\$4,000,000		Project ID 28633
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1660 Barcelona--Valverde to Armijo Drain Stm Drns	2017-2021 ICIP Project List						\$542,000		Project ID 26340
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1616 Sunset-Trujillo Storm Drain Area 1 Phs 2	2017-2021 ICIP Project List						\$5,000,000		Project ID 26342
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1610 Garduno Road Storm Drain	2017-2021 ICIP Project List						\$1,600,000		Project ID 26343

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Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1635 Black Mesa Drainage Project	2017-2021 ICIP Project List						\$28,515,727		Project ID 28398
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	2075 Sunset-Trujillo Storm Drain Area 1	2017-2021 ICIP Project List						\$9,600,000		Project ID 28400
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	2076 North Albuquerque Acres Drainage	2017-2021 ICIP Project List						\$1,120,372		Project ID 23027
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	133 Bishop Court Storm Drain	2017-2021 ICIP Project List						\$5,308,400		Project ID 21690
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1671 Blake and Tapia Storm Drains	2017-2021 ICIP Project List						\$846,000		Project ID 30353
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1677 Bridge- Atrisco to Isleta Drain Storm Drain	2017-2021 ICIP Project List						\$1,483,000		Project ID 30354
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1708 Foothill Drive and Thompson Lane Storm Drain	2017-2021 ICIP Project List						\$718,000		Project ID 30355
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	1713 Gun Club E of Los Padillas Drain Storm Drain	2017-2021 ICIP Project List						\$394,000		Project ID 30356
Middle Rio Grande	Bernalillo	SS	Project	Wastewater System Infrastructure	1614 1470 Carnuel Water & Sanitary Sewer	2017-2021 ICIP Project List						\$36,000,000		Project ID 21711
Middle Rio Grande	Bernalillo	SS	Project	Wastewater System Infrastructure	1918 Monticello Sanitary Sewer Lines	2017-2021 ICIP Project List						\$3,000,000		Project ID 28627
Middle Rio Grande	Bernalillo	SS	Project	Wastewater System Infrastructure	1652 Lagunitas-Clark Sewer Lines	2017-2021 ICIP Project List						\$5,300,000		Project ID 30329
Middle Rio Grande	Bernalillo	SS	Project	Wastewater System Infrastructure	1647 Rio Bravo-Del Rio-Sunstar & Fr Rd Sew Ln Phs2	2017-2021 ICIP Project List						\$1,730,000		Project ID 28629
Middle Rio Grande	Bernalillo	SS	Project	Wastewater System Infrastructure	1651 Lagunitas Sewer Lines	2017-2021 ICIP Project List						\$3,300,000		Project ID 28630
Middle Rio Grande	Bernalillo	SS	Project	Wastewater System Infrastructure	1960 SSHA-WW1 Sandia Heights Sewer Line Extension	2017-2021 ICIP Project List						\$51,541,565		Project ID 28658
Middle Rio Grande	Bernalillo	SS	Project	Water Supply	1629 Phase 7 South Valley Drinking Water	2017-2021 ICIP Project List						\$5,300,000		Project ID 28647
Middle Rio Grande	Bernalillo	SS	Project	Water System Infrastructure	1954 8" Water Line-I-40 N Frontage Rd Wat Serv Ln	2017-2021 ICIP Project List						\$796,800		Project ID 28652
Middle Rio Grande	Bernalillo	SS	Project	Water System Infrastructure	1981 4" Water Line-I40 N Frontage Rd Wat Serv Line	2017-2021 ICIP Project List						\$273,400		Project ID 28654
Middle Rio Grande	Bernalillo	SS	Project	Water System Infrastructure	1648 Rio Bravo-Del Rio-Sunstar & Front Rd WL Phs2	2017-2021 ICIP Project List						\$420,000		Project ID 28656
Middle Rio Grande	Sandoval	SS	Project	StormWater System Infrastructure	Algodones Flood Control System	2017-2021 ICIP Project List (from ESCAFCA)		Eastern Sandoval County Flood Control Authority (ESCAFCA)		2017-2019		\$ 1,400,000.00		
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	Mid Bernalillo Flood Conveyance Phase 1, Acequia	2017-2021 ICIP Project List (from ESCAFCA)		Eastern Sandoval County Flood Control Authority (ESCAFCA)		2017-2020		\$ 1,620,000.00		
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	South Hill Flood Water Conveyance	2017-2021 ICIP Project List (from ESCAFCA)		Eastern Sandoval County Flood Control Authority (ESCAFCA)		2017-2021		\$ 2,320,000.00		

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Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	Athena Storm Sewer Extension	2017-2021 ICIP Project List (from ESCAFCA)		Eastern Sandoval County Flood Control Authority (ESCAFCA)		2018 and 2020		\$ 1,415,000.00		
Middle Rio Grande	Bernalillo	SS	Project	StormWater System Infrastructure	Flood Control - Piedra Liza Outfall	2017-2021 ICIP Project List (from ESCAFCA)		Eastern Sandoval County Flood Control Authority (ESCAFCA)		2017-2019		\$ 400,000.00		
Middle Rio Grande	Bernalillo	SS	Project	Water Planning	Integrated Resource Master Planning	ABCWUA Decade Plan	Comprehensive and integrated water resource master planning for all water, wastewater and nonpotable reuse supply, distribution and treatment facilities.	ABCWUA		2016-2017		\$1,000,000		
Middle Rio Grande	Bernalillo	SS	Project	Water Supply	Second College Reservoir	ABCWUA Decade Plan	An additional reservoir to provide more system reliability and redundancy for the College Trunk when College Reservoir 1 is taken out of service for rehabilitation.	ABCWUA		2016-2018		\$3,045,000		
Middle Rio Grande	Bernalillo	SS	Project	Water Supply	Second Corrales Reservoir No. 6	ABCWUA Decade Plan	A second 2.3MG reservoir at the Corrales 5 site to double the storage capacity that supplies Ventana Ranch and the north half of Paradise Hills.	ABCWUA		2022-2023		\$3,000,000		
Middle Rio Grande	Bernalillo	SS	Project	Water Supply	Second Coronado Reservoir	ABCWUA Decade Plan	Reservoirs needed to provide reaction time for disinfection, storage to meet peak demands and for control of well and booster station pumps.	ABCWUA		2022-2023		\$3,050,000		
Middle Rio Grande	Bernalillo	SS	Project	Water Supply	Second Leyendecker Reservoir	ABCWUA Decade Plan	See above	ABCWUA		2022-2023		\$3,050,000		
Middle Rio Grande	Bernalillo	SS	Project	Water Supply	Second Charles Wells Reservoir	ABCWUA Decade Plan	Needed for use during rehabilitation of the existing Charles reservoir.	ABCWUA		2020-2021		\$3,000,000		
Middle Rio Grande	Bernalillo	SS	Project	Water Supply	New Corrales Trunk 5W Reservoir and Transmission Line	ABCWUA Decade Plan	A 6MG reservoir and 36-inch transmission line to supply a future gravity distribution system in Zone 5W.	ABCWUA		2018-2019		\$4,100,000		
Middle Rio Grande	Bernalillo	SS	Project	Water Supply	Second Don Reservoir	ABCWUA Decade Plan	Provide more system reliability and redundancy for the Atrisco Trunk when Don Reservoir No. 1 is taken out of service for rehabilitation.	ABCWUA		2018-2020		\$3,050,000		
Middle Rio Grande	Bernalillo	SS	Project	Water Supply	Aquifer Storage and Recovery	ABCWUA Decade Plan	Planning, design, engineering services, construction, permitting and related activities to construct an aquifer storage and recovery project to store San Juan Chama water in the aquifer.	ABCWUA		2016-2023		\$5,390,000		
Middle Rio Grande	Bernalillo	SS	Project	Water System Infrastructure	Steel Waterline Rehabilitation	ABCWUA Decade Plan	Rehabilitation of steel water lines	ABCWUA		2016-2025		\$11,370,000		
Middle Rio Grande	Bernalillo	SS	Project	Water System Infrastructure	AMR Meters	ABCWUA Decade Plan	Replacement of existing meters with AMI equipped "smart" meters allowing for increased customer usage information and leak detection	ABCWUA		2016-2025		\$20,000,000		
Middle Rio Grande	Bernalillo	R	Program	Education	Water Conservation Education	ABCWUA Water Resources Management Strategy	TV, radio, outdoor education for all residents of the Middle Rio Grande region	ABCWUA		2015-ongoing		\$250,000 annually		
Middle Rio Grande	Bernalillo	R	Program	Education	Water Resources Education Field Trips	ABCWUA Water Resources Management Strategy	Provide a day-long field trip to the Rio Grande for every fourth-grader in the service area to learn about our water resources and conservation	ABCWUA		2015-ongoing		\$200,000/ annually		
Middle Rio Grande	Bernalillo	SS	Program	Education	WaterSmart Classes	ABCWUA Water Resources Management Strategy	Provide rebates to customers who attend classes on reducing water use outdoors for lawns, xeriscapes and gardens.	ABCWUA		2015-ongoing		\$55,000/annually		
Middle Rio Grande	Bernalillo	SS	Program	Water Conservation	Water Conservation Rebates	ABCWUA Water Resources Management Strategy	Provide rebates for water efficient appliances and xeric landscaping conversions	ABCWUA		2015-ongoing		\$1,200,000 annually		
Middle Rio Grande	Bernalillo	SS	Program	Water Planning	Water Budget Model Development	ABCWUA Water Resources Management Strategy	Develop a water budget management tool to inform water resources management decisions	ABCWUA		2015-ongoing		\$200,000/ annually		
Middle Rio Grande		R	Program	Water Supply	Weather Modification (A-42)	Alternative from previous water plan with updates from Steering Committee discussion	This alternative contemplated weather modification, such as cloud seeding, to increase water supply.							The steering committee does not generally support this alternative, it should be removed from the alternatives.
Middle Rio Grande	Sandoval	SS	Project	Water Planning	Non-revenue Water Gap Analysis	City of Rio Rancho		City of Rio Rancho		2015	2015	\$ 20,000.00		
Middle Rio Grande	Sandoval	SS	Project	Water Rights	Purchase Water Rights	City of Rio Rancho		City of Rio Rancho		Annually	Began 2007	\$13,000 to \$18,000 per acre foot		748 acre feet every 5 years
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	AMR Trend	City of Rio Rancho		City of Rio Rancho		Current	Current	In-house		Sample set to get more consistent profile in meter categories
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Redrill 1200 gpm Well	City of Rio Rancho		City of Rio Rancho		1 year	PER 2015	\$6-7 million		Awaiting RFP for hydrologist
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Equip 1600 gpm Well	City of Rio Rancho		City of Rio Rancho		3 years	Completed	\$12-15 million		High arsenic and total dissolved solids, needs advanced treatment
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Replace 1400 gpm Well	City of Rio Rancho		City of Rio Rancho		2 years	Pending	\$ 7,000,000.00		
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Service Line Replacement	City of Rio Rancho		City of Rio Rancho		Annually	2014 and on	\$1-1.5 million/year		Replacing polyethylene service lines with copper
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Rebuild WWPT #1 to MBR	City of Rio Rancho		City of Rio Rancho		Currently under review	PER 2015	\$11-15 million		To get class 1A water for reuse
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Septic Dump Station	City of Rio Rancho		City of Rio Rancho		Unknown	2014	\$ 5,000,000.00		
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Upgrade 3 lift stations	City of Rio Rancho		City of Rio Rancho		2 years		\$ 2,500,000.00		LS10 being relocated now as part of NMDOT project

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Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Rebuild WWTP #3 to MBR	City of Rio Rancho		City of Rio Rancho		5 years	Not started	\$ 10,000,000.00		
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Purified Water Storage Tank	City of Rio Rancho		City of Rio Rancho		2015	2013	\$ 5,000,000.00		Aquifer injection for potable reuse
Middle Rio Grande	Sandoval	SS	Project	Water System Infrastructure	Equip the advanced water treatment	City of Rio Rancho		City of Rio Rancho		2015	2013	\$ 5,300,000.00		Aquifer injection for potable reuse
Middle Rio Grande		SS	Project	Water Supply	Placitas Acequias Reservoirs Improvements	Coronado SWCD ICIP Plan FY 2017-2021	Design and construct improvements to six existing reservoirs of varying sizes to improve irrigation for the three acequia communities of Placitas. Easements to the land where the reservoirs are situated are owned by the acqueias and have been in use for over 150 years. In Phase One, Coronado SWCD procured professional engineering design services from INTERA Inc. by competitive bid for improvements to all six reservoirs. The acequia commissioners subsequently decided that only five reservoirs were in need of repair. On 3/11/15 the commissioners of each acequia approved the 30% design work, and will approve plans for succeeding phases. By mid-April of 2015, 100% of the design work of the three reservoirs and 90% of the design work the fourth reservoir and partial design work for the fifth reservoir had been completed and the initial \$75,000 capital outlay grant fully expended. Phases Two through Five will be completion of design work, construction and installation of improvements determined in Phase One. Coronado SWCD will procure services and materials by competitive bid. The project will be phased primarily by number of people served by each acequia, secondarily by completing one reservoir for each acequia, and thirdly by estimates determined in Phase One. Each acequia is the owner/operator and fiscal agent for the reservoirs.	Coronado SWCD		FY 2017-2020		\$570,000	The current drought forces the acqueias to make improvements to the structures that were used in past times in order to irrigate with little water. The three acqueias use reservoirs constructed in the 1800's to develop a head of water to enable flow to the lower reaches of their ditches. Because of deterioration, as well as present and projected future drought conditions, only the Las Acqueias de Placitas reservoirs are able to be used this way, but even those are in need of repair. The project will benefit approximately 500 parciantes of the three acqueias, which are political subdivisions.	Project ID# 28992
Middle Rio Grande		SS		Water Planning	Community Water System Development	Pueblo of Laguna	Convert homeowners on individual wells to community water systems. This can promote conservation and protect water quality.	Pueblo of Laguna						
Middle Rio Grande		R		Water Planning	Water-Efficient Energy Production	Pueblo of Laguna	Decrease reliance on energy generation that consumes water (e.g., coal-fired steam turbines) and encourage growth of renewable energy such as wind, solar, etc., that does not rely on water.	Pueblo of Laguna						
Middle Rio Grande		R	Policy	Water Planning	Community Resilience Planning and Implementation	Pueblo of Laguna	Planning to make communities more drought resilient and able to cope with climate change	Pueblo of Laguna						
Middle Rio Grande		R	Policy	Watershed Restoration	Forest Restoration	Pueblo of Laguna	This is a subset of the Watershed Management Plan that would encourage a focus on forest restoration and wildfire management	Pueblo of Laguna						
Middle Rio Grande		R	Policy	Watershed Restoration	Rangeland Restoration	Pueblo of Laguna	This is a subset of the Watershed Management Plan that would encourage a focus on rangeland restoration.	Pueblo of Laguna						
Middle Rio Grande	Sandoval and Bernalillo	R	Project	Watershed Restoration	Remediate River Incising between Cochiti and Isleta	Pueblo of Sandia Bosque Program	River incising between Cochiti Dam and Isleta Pueblo has significantly changed the natural system of the Rio Grande, resulting in a sediment starved, incised river. The result is lost habitat for Bosque ecosystems including various endangered species. Additionally, traditional and cultural activities are negatively impaired by this changing system. This project would look to study this reach of the river with various stakeholders, develop mitigation options, and move forward with the construction of engineered solutions and/or policy changes.	Pueblo of Sandia (in Sandia reach)	Army Corps of Engineers US Bureau of Reclamation MRGCD	2016-2026	Initial discussion with agencies have been initiated.	\$ 10,000,000.00	To address degradation of habitat, infrastructure, and cultural and traditional uses in this reach of the Rio Grande.	
Middle Rio Grande	Sandoval and Bernalillo	SS	Project	Agriculture Water System	Irrigation Infrastructure Improvement Projects on Sandia Pueblo	Pueblo of Sandia Water Resources Program	This project would repair or replace aging irrigation (surface water) delivery infrastructure. This project will improve water use efficiency and result in conservation of water.	Pueblo of Sandia	MRGCD US Bureau of Reclamation US Bureau of Indian Affairs	2016-2026		\$ 6,000,000.00	To repair or replace aging infrastructure to improve irrigation efficiency and conservation of water.	This project is currently underway. Some studies on irrigation infrastructure have been completed, as well as collaboration with MRGCD, US Bureau of Reclamation, and US Bureau of Indian Affairs.

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Middle Rio Grande	Sandoval and Bernalillo	SS	Project	Water Planning	Water Resources Plan	Pueblo of Sandia Water Resources Program	This project would allow the Pueblo of Sandia to develop a long term plan that incorporates robust technical support to protect the Pueblos water resources.	Pueblo of Sandia	None	2016-2026		\$ 500,000.00	To obtain technical support and/or studies to Pueblo of Sandia to develop water resources plan to protect tribal water resources. Such support or studies may include water budgets, growth projections, regional water policy analysis, conservation initiatives, watershed studies, and adjudication plans.	This project is currently underway. Some studies have been completed such as an aquifer characterization study, Pueblo well drilling rules and regulations drafted, and general drafting of text for plan.
Middle Rio Grande	Sandoval and Bernalillo	SS	Project	Water Supply	New Irrigation Drought Relief Wells	Pueblo of Sandia Water Resources Program	This project would include geotechnical testing and groundwater investigations on Pueblo of Sandia land, and if found to be feasible, develop irrigation drought relief wells. This project is important to maintain the tradition, culture, and livelihood of agriculture on Pueblo lands in times of surface water shortages.	Pueblo of Sandia	None	2016-2026		\$ 600,000.00	To provide supplementary irrigation water for Pueblo farmers in times of surface water shortages.	This project is currently underway. Some geotechnical testing has been done and consultant recommendations obtained on how to proceed have been received by the Pueblo.
Middle Rio Grande	Sandoval and Bernalillo	SS	Project	Water Supply	Rehabilitate/Replace Wells	Pueblo of Sandia Water Resources Program	This project would repair or replace aging well infrastructure in order to conserve existing infrastructure and supply additional irrigation water to Pueblo Lands in times of surface water shortages.	Pueblo of Sandia	None	2016-2026		\$ 300,000.00	To repair or replace aging well infrastructure.	Preliminary planning has begun, to include identification of wells needing rehabilitation and potential long-term usefulness of those wells.
Middle Rio Grande	Sandoval and Bernalillo	SS	Project	Water System Infrastructure	Rehabilitate/Replace Wells	Pueblo of Sandia Water Resources Program	This project would repair or replace aging well infrastructure in order to conserve existing infrastructure and supply additional irrigation water to Pueblo Lands in times of surface water shortages.	Pueblo of Sandia	None	2016-2026	Preliminary planning has begun, to include identification of wells needing rehabilitation and potential long-term usefulness of those wells.	\$ 300,000.00	To repair or replace aging well infrastructure.	
Middle Rio Grande	Bernalillo	R	Project	Water Planning	NM Strategic Reserve	R2-11 Water Banking and R2-10 Cooperative Regional Water Management	Place some of the water associated with the Valle de Oro NWR into the NM Strategic Reserve for broader endangered species needs within the middle Rio Grande	USFWS	MRGCD, AMAFCA, NMOSE, BOR					
Middle Rio Grande	Bernalillo	R	Project	Watershed Restoration	Riparian Habitat Restoration	R6-1 Riparian Habitat Restoration and R6-2 Constructed Wetlands	The Valle de Oro project is restoring wetlands associated with the former Price Dairy property and associated Rio Grande bosque adjacent to the property	USFWS	AMAFCA, Bernalillo County, US Army Corp of Engineers, NM State Lands Office					
Middle Rio Grande		R	Program	Education	Public Education and outreach on healthy ecosystems	USFWS	Valle de Oro NWR is serving as an educational focal point for youth and adults. Community involvement in this project has been strong and instrumental to its nascent success. It is envisioned that the Refuge will play an instrumental role in current and future education about the importance of healthy native ecosystems of the Rio Grande and its Tributaries.	USFWS						
Middle Rio Grande	Bernalillo	R	Project	StormWater System Infrastructure	SE Valley Storm Water detention at Valle de Oro National Wildlife Refuge	USFWS	Incorporate storm water treatment into the wetlands of the Refuge and associated Rio Grande floodplain habitat	USFWS	AMAFCA					

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Middle Rio Grande		R	Program	Guidance	Develop a Roadmap for Action	Water Assembly	<p>This proposal is to create a common infrastructure for water planning, incorporating issues such as water rights ownership, lack of common data sets, and lack of common institutional framework. Consider ways to link decision makers with available water resources, including impacts of climate change. The recently updated California Water Plan could be a good example:</p> <ol style="list-style-type: none"> 1. Strengthen Integrated Regional Water Management 2. Use and Reuse Water More Efficiently 3. Expand Conjunctive Management of Multiple Supplies 4. Protect and Restore Surface Water and Groundwater Quality 5. Practice Environmental Stewardship 6. Improve Flood Management Using an Integrated Water Management Approach 7. Prepare Prevention, Response, and Recovery Plans 8. Reduce the Carbon Footprint of Water Systems and Water Uses 9. Improve Data, Analysis, and Decision-Support Tools 10. Invest in Water Technology and Science 11. Strengthen Tribal/State Relations and Natural Resources Management 12. Ensure Equitable Distribution of Benefits 13. Protect and Enhance Public Access to the State's Waterways, Lakes 14. Strengthen Alignment of Land Use Planning and Integrated Water Management 15. Strengthen Alignment of Government Processes and Tools 16. Improve Integrated Water Management Finance Strategy and Investments 								
Middle Rio Grande		R	Project	Regulatory Change	Modify MRG Administrative Area Guidelines to Encourage Reuse	Water Assembly	<p>The State should modify the MRGAA Guidelines to encourage reuse and recycling of water. For example, prohibit a 1-1 return flow credit (especially junior water users) to offset impacts to senior water rights holders. This would result in less water being pumped and more recycling and reuse. Less waste flows could be offset by additional reservoir releases to offset the flow depletions from past actions. Reduced flow depletions in future years would provide more water for endangered species. Policy changes like these would need to be modeled to determine their full impact</p>								
Middle Rio Grande		R	Project	Water Budget	Water Budget Studies	Water Assembly	<p>During the next five years, in preparation for the next regional water plan review and update, several regional reports should be undertaken and updated, such as considering the impacts from a reduction in irrigation water in the MRG. Supply and demand data should be broken out into annual numbers, which would help show the variability of supply and demand.</p>								
		R	Project	Water Planning	Interactive Water Budget Modeling	Water Assembly	<p>Create an open-access, nonproprietary, web-based application for viewing outcomes of specific water management decisions as reflected in changes in land use, including a GIS model for visualization</p>								