

**NORTH GILA VALLEY IRRIGATION & DRAINAGE DISTRICT**

**McPHERSON LATERAL  
LINING PROJECT  
PHASE 2**

**May12, 2017  
No. BOR-DO-17-F011**

**North Gila Valley Irrigation & Drainage District  
1405 W. 16<sup>th</sup> Street, Ste. A  
Yuma, AZ 85364-4578**

**Wade Noble  
Attorney  
[wade@noblelaw.com](mailto:wade@noblelaw.com)  
Telephone: 928-343-9447  
Facsimile: 928-343-9483**

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# **NORTH GILA VALLEY IRRIGATION & DRAINAGE DISTRICT**

## **McPHERSON LATERAL LINING PROJECT PHASE 2**

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Phase 2**

**Project Narrative**

North Gila Valley Irrigation and Drainage District (NGVIDD)

Location: NGVIDD is the North Gila Unit of the Yuma Mesa Division of the Gila Project, Arizona as shown on the attached maps. The District is in southwestern Arizona just North and East of Yuma, Arizona.

District Office 1405 W. 16<sup>th</sup> Street Suite A  
Yuma, AZ 85364  
928-343-9447 ofc  
928-343-9483 fax

Contact: Wade Noble  
1405 W. 16<sup>th</sup> Street Suite A  
Yuma, AZ 85364  
928-343-9447 ofc  
928-343-9483 fax  
[wade@noblelaw.com](mailto:wade@noblelaw.com)

Title: District Attorney

Contract: Contract No. 5-07-30-W0094

Authorized Acres: 6587 acres

Water Conservation Plan: The District is current in its Water Conservation Plan.

Summary - McPherson Lateral Lining Project

Through Contract No. 5-07-30-W0094 NGVIDD shares an entitlement to consumptive use of 250,000 af of Colorado River water with the two other districts, Yuma Mesa Irrigation and Drainage District and Yuma Irrigation District, in the Yuma Mesa Division of the Gila Project, Arizona. The District is authorized to irrigate up to 6587 acres.

NGVIDD diverts Colorado river water through two turnouts from the Gila Gravity Main Canal of the Gila Project, Arizona. North Gila turnout no. 1 is 7 miles from Imperial Dam and North Gila turnout no. 2 is 11 miles from Imperial Dam. The two turnouts have capacities of 150 cfs and 50 cfs respectively. There are 10.2 miles of canals, mostly soil lined, and about 15 miles of laterals, mostly soil lined, in the District. Drainage is necessary and is provided by open drains

and the adjacent Colorado River on the west side of the District and the Gila River on the south side of the District.

The three Phase Project will line and reline 7,393 feet of the McPherson lateral. The first Phase of 2210 feet was completed in August 2016. The second Phase is 3737 feet. The remaining 1446 feet will be done in Phase 3.

All three Phases will be constructed by Crawford Associates of Blythe, CA, who has provided the best option for completing the Phase 2 of the Project with a construction estimate of \$173,693.75. (estimate attached). The per unit cost, including turnouts and checks, is under \$94.50 a lineal foot. Additional costs for legal, engineering, inspection and miscellaneous expenses are \$14,135.00 for a total budget of \$187,828.75.

The most prominent task area component of this application is improved water use efficiency in NGVIDD. The District's Water Conservation Plan addresses on-farm irrigation system improvements made by lining the ditches and structures to reduce seepage and ditch breaks and enabling management of level basins, thereby increasing efficiency of water use.

The McPherson Lateral provides water to the central lands of the District. Due to age, the lateral lining is severely deteriorated.

The leakage and seepage from the deteriorated lateral results in water quality degradation and soil quality degradation.

The proposal is to rehabilitate the lateral by rebuilding the lateral with a new pad, increasing the size to 40", and concrete re-lining the lateral thus increasing flow capacity and efficiency.

The Project Schedule is for 8 weeks beginning in mid-July 2017.

The benefits include - better water management planning, greater efficiencies in water deliveries, decreases in groundwater levels affecting farming operations and decreases in water loss through seepage.

#### E.1. Evaluation Criteria

##### **E.1.1. Evaluation Criterion A—Planning Efforts Supporting the Project**

Describe how your project is supported by an existing planning effort.

The District is current in its Water Conservation Plan with Reclamation. That planning effort supports this project.

- Does the proposed project implement a goal or address a need or problem identified in the existing planning effort?

Efficiencies in water measurement and ordering are main targets of the District Water Conservation Plan. This project will significantly contribute to efficient

measurement and delivery of water. That in turn will assist in more accuracy in water ordering. More accuracy in water ordering will help to decrease the excess water on the Colorado River which may have to be delivered to Mexico in excess of its order.

Water conservation achieved by lining and improving 7,393 feet of a main lateral in a 6587 acre district is major. It is acknowledged that the concrete work is taking two and possibly three phases due to financial considerations mostly grant funds availability.

Water Quality Degradation: there are salts in surface waters and ground waters used for irrigation. The project will rehabilitate 3737 feet of the McPherson Lateral. Currently, the condition of the lateral allows for seepage of Colorado River water which concentrates salts into the return flows to the river.

Inefficient use of irrigation water; Inefficient moisture management (Drought). The project will increase the efficiency of water delivery by providing increased lateral capacity which will allow shorter irrigation turns.

Soil Quality Degradation: Concentration of salts and other chemicals. Salt concentration can be a significant problem for the lands of the Gila Valley including the lands of NGVIDD. Rehabilitating the lateral will reduce the seepage and therefore decelerate the soil quality degradation due to salt concentration.

- Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measures.

Lining contributes to conservation of water by decreasing the amount of water lost due to seepage. It is well recognized that the farmers are the ones who benefit the most from more accurate and efficient delivery of water. Farming in the area today often uses high volume turn outs which are critical to the continued decline in water use on the produce during the season. The high priorities of getting the right amount of water on the crops, resulting in using less water to grow more crops, is conservation. The continued use of soil lined canals and laterals negatively impacts efficiencies and conservation. Water losses and additional water needed because of the inefficiencies of the delivery system beyond seepage are significantly great. Reducing such inefficiencies is the high priority of this project.

#### **E.1.2. Evaluation Criterion B—Project Benefits**

- Describe the expected benefits and outcomes of implementing the proposed project.
  - o What are the benefits to the applicant's water supply delivery system?

As mentioned above - the benefits are in the increased efficiencies in water ordering and water delivery to the fields. Less water is used when it is conveyed through

a concrete lined facility. Leakage and seepage are two related problems addressed by this project.

Lined laterals in gopher country, greatly increase the safety of the system because the concrete lining is an effective gopher barrier. Loss of a lateral during produce season is a risk which can be mitigated by lateral lining. Damages to the farmer from a field loss in a lateral blowout caused by gophers or other defects start in six figures and can go to seven figures.

o If other benefits are expected explain those as well. Consider the following:

- Extent to which the proposed project improves overall water supply reliability

Reliability of the overall water supply is increased by lining as provided in this project because there less risk of lateral failure.

- The expected scope of positive impact from the proposed project (e.g., local, sub-basin, basin)

In an area which is forecasting over delivery of water to Mexico at 25,000 to 30,000 af this year, even seemingly small volumes of water which are conserved by the District through this project can impact uses on the lower Colorado River.

At this time, due to drought and shortage from over-allocation, we work to keep water in the river maintaining the elevation of Lake Mead. This project contributes water to the Lake Mead or to the Central Arizona Project, depending on how you view it.

- Extent to which the proposed project will increase collaboration and information sharing among water managers in the region

The District is a member of both Gila Gravity Administrative Board and the Imperial Dam Advisory Board which meet regularly. The information on this lining will be shared to the mutual benefit of the districts in the area.

- Any anticipated positive impacts/benefits to local sectors and economies (e.g., agriculture, environment, recreation, tourism)

The McPherson lateral lies within some of the most fertile soil in the world. Increasing and maximizing the efficiency of the lateral helps a multi-billion dollar economic drive to continue to provide winter vegetables to the United States and Canada.

### **E.1.3. Evaluation Criterion C—Project Implementation**

- Describe the implementation plan for the proposed project. Please include an estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates.

Because the District needs funding for the project it has divided the overall project into three Phases. This grant application applies to Phase 2 of the McPherson Lateral Lining Project. Each phase can be completed in about two months. The schedule for this Phase 2 is July and August 2017.

- Describe any permits that will be required, along with the process for obtaining such permits.

No permits are required for this project.

- Identify and describe any engineering or design work performed specifically in support of the proposed project.

Engineering, including field work-design-and drawing, was performed by James Davey and Associates of Yuma Arizona

- Describe any new policies or administrative actions required to implement the project.

None

### **E.1.4. Evaluation Criterion D—Nexus to Reclamation**

- How is the proposed project connected to a Reclamation project or activity?

The District (NGVIDD) is one of the three Districts with a shared entitlement to 250,000 af of water from the Colorado River as part of the Yuma Mesa Division of the Gila Project, Arizona.

- Will the project help Reclamation meet trust responsibilities to any tribe(s)?

No, this project will not assist Reclamation in meeting trust responsibilities to any tribes. Although the District did participate in the 1980s in the water transfer of 50,000 af of its shared entitlement to assist in the Ak-Chin Indian Water Rights Settlement.

- Does the applicant receive Reclamation project water?

The District receives its Colorado River water entitlement through the Gila Project Arizona Gila Gravity Main Canal which forms the eastern border of the District.

- Is the project on Reclamation project lands or involving Reclamation facilities?

Yes, the McPherson Lateral is a Reclamation facility which is maintained and operated by the District.

- Is the project in the same basin as a Reclamation project or activity?

Yes, the District, and therefore the McPherson Lateral is in the Gila Project Arizona and is bordered on the west by the Yuma Project, Arizona.

- Will the proposed work contribute water to a basin where a Reclamation project is located?

Most certainly. The increased water savings resulting from the canal lining returns water to the Colorado River where it is picked up by another Reclamation project, the Central Arizona Project.

**Project Schedule:**

Activity	Planned Start	Planned Completion
1. Lateral Re-lining	July 15, 2017	September 15, 2017

**Project Budget:**

The cost share funding of \$112, 828.75 for the project will be provided by North Gila Valley Irrigation and Drainage District AS Recipient.

Funding Sources	Percent of total project cost	Total cost by source
Recipient funding	60 %	\$112,828.75
Reclamation funding	40 %	\$75,000.00
Other Federal funding	0	0
Totals	100%	\$187,828.75





P.O. BOX 807 • BLYTHE, CA 92226

CA LIC. #894709  
AZ LIC. #091286

Bus. (760) 922-6804  
Fax. (760) 922-8576

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## TERMS AND CONDITIONS

### 1. SCOPE OF CONTRACT

Contractor agrees to furnish all of the labor, materials and equipment referred to according to the terms and conditions on both pages of this contract.

### 2. TIME OF PERFORMANCE

Construction will begin as soon as crop conditions will permit following a mutually agreed starting date.

### 3. SPECIFICATIONS

Except as modified by the express covenants contained in this contract, all work shall be performed in accordance with established methods of construction approved by the National Resource Conservation Service. Concrete thickness shall be determined on the basis of total batch volume required for the specified thickness of concrete.

### 4. INSPECTION

The owner agrees that either he or his agent will be available to inspect and approve the following:

- (a.) The design, capacities and location of the work contemplated prior to starting of construction.
- (b.) The material and workmanship of the work as it progresses.

It is further understood and agreed that if the owner or his agent is not available or remains silent, it will be necessarily assumed that he has approved the work and agrees not to hold the contractor responsible for the work after it has been installed.

### 5. DAMAGE

The owner agrees not to hold the contractor responsible for damage caused by overflowing of water, weather, expansion or contraction of the concrete, swelling or shrinking of the soil after the work has been installed.

### 6. EXTRA PAYMENT

It is understood and agreed that the owner will pay the contractor extra for the reasonable value of labor, materials or equipment furnished in the performance of any extra work, alterations or delays caused by the owner or his agent. It is further understood and agreed that the owner will pay the contractor extra for the performance of the following:

- (a.) Removing debris, pipe, checks, water, fences or any other obstruction from the proposed lined section prior to the start of construction.
- (b.) Irrigating the ditch pad after preliminary grading.
- (c.) Dirt or water hauling necessary for construction.

### 7. PAYMENT

The owner agrees to pay CRAWFORD ASSOCIATES, within ten days after date of billing for the work accomplished. In the event it should become necessary for CRAWFORD ASSOCIATES, to enforce the terms of the agreement in such event the owner promises to pay a Late Payment Charge of 2% per month (24% per year) beginning ten days after date billing, plus collection costs and attorney's fees.

ACCEPTED BY: \_\_\_\_\_

Date: \_\_\_\_\_

# NORTH GILA VALLEY IRRIGATION DISTRICT PORTIONS OF TOWNSHIP 7 SOUTH AND TOWNSHIP 8 SOUTH, RANGE 22 WEST, G.S.R.B.&M. YUMA COUNTY, ARIZONA

107 09	Acresion	108 08 18	Larry Ct
107 11 01	Neel Egg AZ LTD Partnership	108 08 19	Larry Ct
107 11 02	W. E. & R. L. Harrison Undivided 1/2 Interest	108 12 01	Lakota Resources Arizona Limited Liability Partnership
107 11 03	WPH Properties Limited Partnership Undivided 1/2	108 12 02	Chafar W. & Ruth B. Thomas Trust
107 11 04	Donna R. Black Trust	108 12 03	SFPF Limited Partnership DSA Kinder Morgan Energy Partner
107 11 05	Cleis C. Land Living Trust Undivided 1/3 Interest	108 12 04	Lakota Resources Arizona Limited Liability Partnership
	Trust Trust 12-24 Undivided 1/3 Interest	108 12 04B	Lakota Resources Arizona Limited Liability Partnership
	Land Trust 2-1-88 Undivided 1/3 Interest	108 12 05	Calzavelli Trust 8-1-90
107 11 06	Cooley Family Investment Arizona, Limited Liability Company	108 12 07	Arizona Public Service Company
107 11 07	Cooley Family Investment Arizona, Limited Liability Company	108 12 08	Stevens E. Ferguson
107 11 08 A	Cooley Family Investment Arizona, Limited Liability Company	108 12 11	Frank Steven Ferguson Children 1/4
107 11 09	John S. & Charlene L. Moore	108 12 02A	Frank N. Ferguson III Children 1/4
107 11 10	Cooley Family Investment Arizona, Limited Liability Company	108 12 11	Stevens Ferguson 1/4
107 11 11	Edward R. Chavez	108 12 12	Frank H. & Margaret Ferguson
107 11 12	ELI Farms Arizona Limited Partnership	108 13 01	State of Arizona
107 11 13B	Cooley Family Investment Arizona, Limited Liability Company	108 13 02A	Yuma 225 AZ, LLC
107 11 18	CR Trust 1979	108 13 02B	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL
107 11 21 A	Parque Farmers Arizona Limited Liability Partnership Undivided 70 Interest	108 13 03	Church Saly Hughes Foundation 1/3 Interest
	Federal Farmworkers Partnership Undivided 34 Interest	108 13 03	Taylor Trust 6-29-93 Undivided 1/3 Interest
107 11 22	Acresion	108 13 03	SFPF Limited Partnership DSA Kinder Morgan Energy Partner
107 12 01	Neel Egg AZ Limited Partnership	108 13 04	State of Arizona
107 12 02	Cleis C. Land Living Trust Undivided 1/3 Interest	108 14 05	Lakota Resources Arizona General Partnership
	Trust Trust 12-24 Undivided 1/3 Interest	108 16 01	Salinas Strawberries Inc
	Land Trust 2-1-88 Undivided 1/3 Interest	108 16 05	Acresion
107 12 03	Cleis C. Land Living Trust Undivided 1/3 Interest	108 17 01	Gurshin II LLC
	Trust Trust 12-24 Undivided 1/3 Interest	108 17 02A	Arredy Investments IV
107 13 02	CR Trust 1979	108 17 02B	Arredy Investments IV
107 13 03A	Cooley Family Investment Arizona, Limited Liability Company	108 17 03	State of Arizona
107 13 03B	Dave Goodman	108 17 05	Bozou Church Inc
107 13 04	Joe Papp Farm Limited Liability Company	108 17 06	Bozou Church Inc
107 13 05	Laguna Farms	108 17 08	Acresion
107 13 07	John T. & Mary J. Ott Trust 6-1-79	108 17 09	State of Arizona
107 13 09	Ornel E. & Pamela K. Dewhurst Trust 7-4-04	108 17 10	Yuma County
107 13 09	Laguna Farms Arizona Limited Partnership	108 18 01	Salinas Strawberries Inc
107 13 10	Gil Farms Arizona Limited Liability Company	108 18 02	State of Arizona
107 13 11	Gil Farms Arizona Limited Liability Company	108 18 07	Yuma County Found Yield Inc
107 13 14	CR Family Arizona Limited Partnership	108 18 08	Man-La Cullum Undivided 1/4 Interest
107 13 15	John T. & Mary Ott Trust 6-1-79	108 19 01A	Edwin Lee & Flora Fishburn Trust 1/4
107 13 17A	Steven Earl & Charlene Ferguson	108 19 01B	Gurshin II Limited Liability Company
107 13 17B	Pauline Ott	108 19 01C	Lidia Gil
107 13 17C	Pauline Ott	108 19 01D	Robert P. & Judith L. Gil
107 13 18	Jud T. and Eunice L. Ott Trust	108 19 13	Salinas Strawberries Inc
107 13 21D	Danny L. & Susan M. Bryant	108 19 15	Bozou Church Inc
107 13 21E	Danny L. & Susan M. Bryant	108 19 16	Inne Church Trust 4-26-71
107 13 22	Donald K. Spitzer & Linda L. Wyatt	108 19 17	Inne Church Trust 4-26-71
107 13 23	John R. & Brigitte B. Allen	108 19 17	MCT Enterprises Inc
107 13 24	Joe Papp Farm Limited Liability Company	108 20 01	Acresion
107 14 02	Ferguson Marital Election Trust 74,1303	108 20 03	CR Family Arizona Limited Liability Company
107 14 03	Laguna Farms		
107 14 04	Ferguson Marital Election Trust 74,1303		
107 14 06	Ornel E. & Pamela K. Dewhurst Trust 7-4-04		
107 14 08	Laguna Farms Arizona Limited Partnership		
107 14 09	EAL Farms Limited Partnership		
107 14 10	Carl F. Redline, Ctr		
107 14 11A	Pauline F. Ott and Separate 1/2		
107 14 11C	CR Trust		
107 14 13	Acresion		
107 15 01	Laguna Farms Arizona Limited Partnership		
107 15 02	Frank M Ferguson III Children 1/2		
107 15 06	Stevens Ferguson Children 1/2		
	Stevens Ferguson Children 1/4		
	Frank M Ferguson III Children 1/4		
	Stevens Ferguson 1/4		
107 15 12	Laguna Farms Arizona Limited Partnership		
107 15 13	EAL Farms Arizona Limited Partnership		
107 15 14	Stevens Ferguson Children 1/4		
107 15 15	Frank M Ferguson III Children 1/4		
107 15 16	Stevens Ferguson 1/4		
107 15 17	EAL Farms Arizona Limited Partnership		
107 16 03	Gil Farms Arizona Limited Liability Company		
107 16 06	Laguna Farms Arizona Limited Partnership		
107 16 08	North Gila Valley Irrigation District		
107 16 10	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
107 16 11A	Church Saly Hughes Foundation 1/3 Interest		
107 16 11B	Ruby S. Perna		
107 16 12	Laguna Farms Arizona Limited Partnership		
107 16 13	KWV Farms Inc.		
107 16 15	Gil Renewable Trust 2-23-94		
107 16 25B	Gil Renewable Trust 2-23-94		
107 16 28	Joseph M. & Joann Chavez		
107 16 27	Ferguson Marital Election Trust 1/2		
107 16 29	Ferguson Family Trust 1/2		
107 16 28	Stevens Ferguson Children 1/4		
	Frank M Ferguson III Children 1/4		
	Stevens Ferguson 1/4		
108 02 01	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 02 03	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 02 04	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 02 05A	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 02	Ferguson Marital Election Trust 74,1303 & Ferguson Family Trust 28,9817		
108 03 03	Ferguson Frank M III Children 1/10		
	ETAL 45		
108 03 07	Ferguson Marital Election Trust 74,1303 & Ferguson Family Trust 28,9817		
108 03 08A	Frank M. III & Margaret M. Ferguson		
108 03 08C	Frank M. III Children Ferguson 1/2		
108 03 08D	Stevens Children Ferguson 1/2		
108 03 08E	Frank M. III & Ferguson Steven E. Ferguson		
108 03 08F	Townsend Trust 4-30-96		
108 03 09	North Gila Homestead		
108 03 11	Jack Ramsey Farms Incorporated Arizona Corporation		
108 03 13	Harrison Trust 1-1-91		
108 03 14	Richard E. Taylor		
108 03 16	Jack Ramsey Farms Incorporated Arizona Corporation		
108 03 17	Ferguson Frank M III Children 1/10		
	Ferguson Steven Children 1/10		
	ETAL 45		
108 03 18	Harrison Trust 1-1-91		
108 03 19	Ferguson Frank M III Children 1/10		
	Ferguson Steven Children 1/10		
	ETAL 45		
108 03 20	Ernest E. Sr. & Marilyn L. Krasnowski		
108 03 21	Jack Ramsey Farms Incorporated Arizona Corporation		
108 03 22	Patrick R. Ferguson		
108 03 23	P. H. Ferguson Trust 9-13-85		
108 03 24	Jack Ramsey Farms Incorporated Arizona Corporation		
108 03 25	Jack Ramsey Farms Incorporated Arizona Corporation		
108 03 26	Virginia Aker Trust 9-1-85		
108 03 27	James H. Dunn Arizona		
108 03 28	James H. Dunn Arizona		
108 03 29	Robert A. Harris & Diane B. Snell Trust 1/2		
108 03 31	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 32	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 33	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 34	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 35	Yuma 365 AZ, LLC		
108 03 36	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 37	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 38	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 39	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 40	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 41	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 42	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 43	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 44	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 45	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 46	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 47	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 48	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 49	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 50	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 51	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 52	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 53	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 54	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 55	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 56	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 57	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 58	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
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108 03 59	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 60	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 61	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 62	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 63	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 64	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
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108 03 65	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 66	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 67	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 68	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 69	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 70	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 71	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 72	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 73	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 74	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 75	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 76	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 77	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 78	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 79	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 80	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 81	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation 1/3 Interest		
	Taylor Trust 6-29-93 Undivided 1/3 Interest		
108 03 82	Thomas H. McNamee Jr 1/4 of 1/3 Interest ETAL		
	Church Saly Hughes Foundation		

**NORTH GILA VALLEY IRRIGATION AND DRAINAGE DISTRICT**

**RESOLUTION 2017-1**

**McPherson Lateral Lining Project Phase 2**

Resolution Adopting financial and legal obligations of North Gila Valley Irrigation and Drainage District "District".

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE NORTH GILA VALLEY IRRIGATION AND DRAINAGE DISTRICT

The Board of Directors has appointed Wade Noble, General Counsel for the District, to enter into an agreement for financial assistance on behalf of the Board in connection with the McPherson Lateral Lining Project Phase 2.

The Board of Directors has reviewed and supports the application being submitted.

The Board of Directors acknowledges that the District is capable to provide the amount of funding and/or in-kind contributions specified in the funding plan.

The Board of Directors will work with Reclamation to meet established deadlines for entering into a grant or cooperative agreement.

I do certify that the foregoing and attached is a true and correct copy of the resolution as it appears on the minutes of the Board of Directors of the North Gila Valley Irrigation and Drainage District, passed and adopted by the Board as of May 9, 2017.



Maryann C. Warner, Secretary  
North Gila Valley Irrigation  
and Drainage District