



ARPA II Report # 5

Utility Construction Projects Navajo Nation Resolution No. CJN-29-22

This report provides details on the progress of infrastructure projects being built by the Navajo Tribal Utility Authority (NTUA) that were funded by the Navajo Nation (NN) through Resolution No. CJN-29-22. On June 30, 2022, the 24th Navajo Nation Council approved Legislation No. 0086-22 that appropriated \$1,070,298,867 of American Rescue Plan Act (ARPA) funding. The legislation was signed into law on July 15, 2022, becoming Resolution No. CJN-29-22.

Under CJN 29-22 the Navajo Nation allocated, among other projects, ninety-six million four hundred thousand dollars (\$96,400,00) for Connecting Homes to Electricity Projects, and two hundred forty-six million, four hundred fifteen thousand, three hundred thirty-eight dollars (\$246,415,338) for various Water and Wastewater Projects. The allocations are divided into certain Expenditure Categories that are dictated by the United States Department of Treasury. Below are updates on each expenditure category.

2.18 CONNECTING HOMES TO ELECTRICITY PROJECTS

The Home Electricity Connection and Electric Capacity Projects will provide power to Navajo homes located on the Navajo Nation by either connecting homesteads the electric grid through NTUA or neighboring utility companies or connecting Navajo homes to an off-grid residential solar system.

The overall proposed budget for these projects is \$96,400,000. NN President Buu Nygren executed a subrecipient agreement on March 31, 2023. NTUA received the first disbursement on May 17, 2023. NTUA has started working on connecting Navajo members' homes to the electric grid.

Below is a table of the completed electric connections. At the end of the report is a more specific table that has all the completed projects broken out by Chapter and Legislative Navajo Nation Council Delegate Region.

	ARPA NTUA Community Projects	ARPA Division of Community Development Portal (NTUA Service Area)	ARPA Service Line Applications (less than 1 mile)	ARPA Projects Total
1 Preliminary	42	546	89	677
2 Engineering	7	2	0	9
3 In ROW	277	32	146	455
4 ROWS Approved	37	18	124	179
5 Release for Construction	2	1	8	11
6 Construction Complete & In Service	61	26	295	382
Total	426	625	662	1713

This table – as of 12.28.23

2.18 CONNECTING HOMES TO ELECTRICITY PROJECTS

(Completed Projects)

Navajo Nation Council Delegate	Chapter	Count of No. of Families
Honorable Delegate Amber Kanazbah-Crotty	Beclabito	1
	Cove	1
	Cudeii (Gadii ahi/To' Koi)	4
	Red Valley	1
	Sanostee (Tse Alnaozt'ii)	2
Delegate Kanazbah-Crotty Total		9
Honorable Delegate Dr. Andy Nez	Fort Defiance	8
	Sawmill	3
Delegate Nez Total		11
Honorable Delegate Brenda Jesus	Oak Springs	4
	St. Michaels	5
Delegate Jesus Total		9
Honorable Delegate Carl Roessel Slater	Lukachukai	7
	Rock Point	8
	Rough Rock (Tse Ch' Izhi)	4
	Round Rock	5
	Tsaile-Wheatfields	7
Delegate Slater Total		31
Honorable Delegate Casey Allen Johnson	Birdsprings (Tsidii To'ii)	1
	Cameron	2
	Coalmine Canyon	6
	Leupp	6
	Tolani Lake	9
Delegate Johnson Total		24
Honorable Delegate Cherilyn Yazzie	Dilkon	8
	Greasewood Springs	5
	Indian Wells	2
	Teesto	1
	Whitecone	3
Delegate Yazzie Total		19
Honorable Delegate Madam Speaker Crystalayne Curley	Low Mountain	10
	Many Farms	2
	Nazlini	8
	Tselani-Cottonwood	10
Speaker Curley Total		30

Honorable Delegate Curtis Yanito	Aneth	4
	Mexican water	3
	Red Mesa	5
	Teechnospos	6
Delegate Yanito Total		18
Honorable Delegate Simpson	Nahodishgish	2
	Standing Rock	1
Delegate Simpson Total		3
Honorable Delegate Eugenia Charles-Newton	Shiprock	3
Delegate Charles-Newton Total		3
Honorable Delegate Germaine Simonson	Black Mesa	2
	Hardrock	2
	Pinon	8
	Whippoorwill	4
Delegate Simonson Total		16
Honorable Delegate Helena Nez Begay	Bodaway-Gap	1
	Coppermine	8
	Kaibeto (Kai' Bii To)	5
	LeChee	2
	Tonalea/Red Lake	10
Delegate Nez Begay Total		26
Honorable Delegate Herman Daniels Jr.	Dennehotso	1
	Inscription House	25
	Navajo Mountain	4
	Oljato	20
	Shonto	6
Delegate Daniels Jr. Total		56
Honorable Delegate Lomardo Aseret	Houck	2
	Klagetoh	3
	Nahata Dziil	3
	Wide Ruins	1
Delegate Aseret Total		9
Honorable Delegate Nathan Notah	Coyote Canyon	3
	Mexican Springs	1
	Naschitti	5
	Tohatchi	3
	Twin Lakes (Bahastl' ah')	3
Delegate Notah Total		15
Honorable Delegate Otto Tso	Tuba City (To' Nanees' Dizi')	16
Delegate Tso Total		16

Honorable Delegate Rickie Nez	Newcomb	2
	San Juan	1
	Upper Fruitland	1
Delegate Nez Total		4
Honorable Delegate Shaandiin Parrish	Chilchinbeto	9
	Dennehotso	3
	Kayenta	4
Delegate Parrish Total		16
Honorable Delegate Shawna Ann Claw	Chinle	30
Delegate Claw Total		30
Honorable Delegate Vince R. James	Cornfields	3
	Ganado	17
	Jeddito	3
	Kinlichee (Kin Dah Lichii)	1
	Steamboat	13
Delegate James Total		37
Grand Total		382

This table reflects data as of 12.28.23

5.1 CLEAN WATER: CENTRALIZED WASTEWATER TREATMENT

The proposed development plan is to either construct, improve, or repair wastewater treatment plants on the Navajo Nation. Some facilities that are out of compliance include Ganado, Kayenta, Chinle, and Tuba City. The facility serving Shiprock has reached the end of its useful life.

These projects will improve wastewater treatment plants to address Administrative Orders of Compliance issued by the U.S. EPA ordering the Navajo Nation to bring wastewater treatment plants into compliance. The overall proposed budget for this section is \$33,675,338.

These projects are in a specific chapter however they may serve a broader region. NTUA has had issues with obtaining land for the wastewater treatment plant in Tuba City. As a result, NTUA has submitted a request to use the funds for other projects to address outstanding AOCs with the U.S. EPA including a high-performance pond at Tuba City.

NTUA is also requesting to utilize some of the funds allocated for the Chinle wastewater treatment plant for an asset management program, Chinle Biosolids Disposal and Chinle CFID.

Lastly, NTUA is requesting to reallocate some funding from the Kayenta wastewater treatment plant to partially fund a continuous flow intermittent discharge (CFID) at Kayenta to also address an AOC.

Project Description	Chapter	Delegate Region	Status
Ganado WWTP Present and Future Growth Capacity Project, new cells 1,2 & 3	Ganado	Hon. Vince James	In Right-of-Way
Kayenta Wastewater Treatment Plant Present and Future Growth Capacity	Kayenta	Hon. Shaandiin Parrish (Requesting for reallocation)	In Procurement
Chinle Wastewater Treatment Plant Present and Future Growth Capacity	Chinle	Hon. Shawna Ann Claw (Requesting for Reallocation)	In Procurement
Tuba City Wastewater Treatment Plant Present and Future Growth Capacity	Tuba City	Hon. Otto Tso (Requesting for Reallocation)	In Right-of-Way
Shiprock Wastewater Treatment Plant Present and Future Growth Capacity	Shiprock Regional	Hon. Eugenia Charles-Newton	In Procurement

5.10 DRINKING WATER: TREATMENT

The drinking water/treatment projects consist of making necessary investments in water infrastructure with a total proposed budget of \$10,030,000. NTUA will make improvements to the Halchita Water Treatment Plant's evaporation pond and provide water treatment, construct a new Arsenic Removal Water Treatment Plant and Intertie (Phase II) at Aneth, and make contributions to the new Chinle Water Treatment plant.

After investigation of the Halchita Water Treatment Plant it was determined that a treatment plant will be infeasible due to the amount of H₂S in the water. NTUA has decided to interconnect Oljato and Halchita via water pipeline. NTUA is going to request a modification to utilize the funds for the water pipeline from Oljato to Halchita.

Project Description	Chapter	Delegate Region	Status
Halchita WTP Evaporation Pond & H ₂ S Treatment	Oljato	Hon. Herman Daniels, Jr.	Infeasible – Need Reallocation of \$850,000
New Aneth Arsenic Removal Water Treatment Plant and Intertie (Phase II)	Aneth	Hon. Curtis Yanito	In Right-of-Way
New Chinle Water Treatment Plant, Matching Contribution (Planned Completion 12/2023)	Chinle	Hon. Shawna Ann Claw	In Procurement

5.11 DRINKING WATER: TRANSMISSION AND DISTRIBUTION

The drinking water: transmission and distribution projects consist of the replacement of three water transmission and distribution projects with a budget of \$3,810,000. NTUA will construct new water loading stations on the Cutter Lateral Water System in Huerfano and Nageezi and construct part of the Westwater Community Water Project in the Aneth Chapter. NTUA is in the final stages of securing a water usage fee with the city of Blanding, Utah to serve the Westwater Community.

Project Description	Chapter	Delegate Region	Status
New Cutter Lateral Water Loading Station	Huerfano	Hon. Danny Simpson	In Design and Engineering
New Cutter Lateral Water Loading Station	Nageezi	Hon. Danny Simpson	In Design and Engineering
Westwater Community Project	Aneth	Hon. Curtis Yanito	In Design and Engineering

5.13 DRINKING WATER: SOURCE

The drinking water: source projects consist of constructing new water wells and/or new pump houses throughout the Navajo Nation with a proposed budget of \$18,500,000. NTUA will construct a new well pumphouse in Houck and additional water wells and pumphouses in Twin Lakes, Chilchinbeto, Tsaile, Forrest Lake, and Kayenta.

Although, many projects have been released for construction, NTUA was able to secure only one Well drilling company. So, the projects will be implemented in series. NTUA is dealing supply chain issues across all expenditure categories, which is dramatically impacting and delaying these projects.

The well and pumphouse projects in Twin Lakes, Chilchinbeto, Tsaile, Forest Lake and Kayenta were released for construction however, NTUA has encountered an issue with right-of-away approvals.

Project Description	Chapter	Delegate Region	Status
New Well and Pumphouse	Houck	Hon. Lomardo Aseret	Feasibility Study
Additional Water Well and Pumphouse	Twin Lakes	Hon. Nathan Notah	In Right of Way
Additional Water Well and Pumphouse	Chilchinbeto	Hon. Shaandiin Parrish	In Right of Way
Additional Water Well and Pumphouse	Tsaile	Hon. Carl R. Slater	In Right of Way
Additional Water Well and Pumphouse	Forest Lake	Hon. Germaine Simonson	In Right of Way
Additional Water Well and Pumphouse	Kayenta	Hon. Shaandiin Parrish	In Right of Way

5.15 DRINKING WATER: SOURCE

The drinking water: other water infrastructure projects consist of connections to a waterline or water cistern system with a total proposed budget of \$84,000,000. NN President Buu Nygren executed a subrecipient agreement on April 26, 2023. NTUA received the first disbursement of funding.

With these funds, NTUA will install an on-site potable water cistern system or connect the home to a waterline. For homes located too far from the main waterline, the water cistern projects include the cost to provide a fully functioning cistern system which includes a cistern tank, a pump, and plumbing (if necessary), all required inspections, and any other necessary components to make a complete working system.

These projects include the cost to construct a fully functioning septic system which includes a septic tank, a drain field, plumbing (if necessary), sink (if necessary), hot water heater system (if necessary), bathroom addition (if necessary), an energy efficient refrigerator, house wiring (if necessary), all required inspections, and the installation of any other necessary components for a functional system.

For each septic system to properly operate, a power source is required. Feasible homes will be served with a complete cistern system which consists of a 1,000-gallon water tank, a pump and necessary plumbing to connect cistern to home. The waterline projects include the cost to provide a fully functioning water system which includes a pump, plumbing (if necessary), all required inspections, and any other necessary components to make a complete working system.

NTUA is currently working through a list of potential cistern project sites which we have received from OEH as well as projects from NTUAs waterline extension project listing. Locations are being vetted based on the following criteria.

- Home does not currently have a water line connection or existing cistern/septic system
- Home is over ½ mile or more away from an NTUA waterline
- Homeowner has an Approved Home Site or Residential Lease, Deed
- Home structure is stable enough to support cistern/septic infrastructure
- Home has complete plumbing
- Home has power or can be connected to grid or is eligible for solar
- Home is a year-round residence.

1000 waterline projects were approved with CJN-29-22

Project Stage		Total No. of Projects
1	Applications under Review	674
2	Projects that are in the Engineering Stage*	564
3	Projects at the Right of Way Stage	34
4	Projects with Approved ROW**	17
5	Projects pending a NN EPA Permit	0
6	Projects that are in Construction	45
7	Construction Complete & In-Service	189
Total		1523

5.15 DRINKING WATER: SOURCE

Waterline Connections (Completed Projects)

Delegate	Chapter	Count of No. of Customers
Honorable Delegate Amber Kanazbah-Crotty	Sanostee	1
Total Delegate Crotty Total		1
Honorable Delegate Andy Nez	Crystal	3
	Fort Defiance	9
	Red Lake	1
	Saawmill	4
Total Delegate Nez		17

Honorable Delegate Brenda Jesus	Oak Springs	1
	St. Michaels	8
Total Delegate Jesus		9
Honorable Delegate Carl Roessel Slater	Lukachukai	5
	Rock Point	4
	Rough Rock (Tse Ch' Izhi)	4
	Tsaile-Wheatfields	3
Total Delegate Slater		16
Honorable Delegate Casey Allen Johnson	Cameron	1
	Leupp	2
Total Delegate Johnso		3
Honorable Delegate Cheryl Yazzie	Dilkon	3
	Greasewood Springs	2
	Indian Wells	2
	Teesto	3
Total Delegate Yazzie		10
Honorable Delegate Crystalyne Curley	Many Farms	2
	Nazlini	3
	Tachee/Blue Gap	7
	Tselani/Cottonwood	2
Total Delegate Curley		14
Honorable Delegate Curtis Yanito	Red Mesa	1
	Teecnospos	1
Total Delegate Yanito		2
Honorable Delegate Danny Simpson	Crownpoint	2
	Dalton Pass	1
	Standing Rock	1
Total Delegate Simpson		4
Honorable Delegate Eugenia Charles-Newton	Shiprock	1
Total Delegate Charles-Newton		1
Honorable Delegate George Tolth	Baca/Prewitt	4
	Counselor	1
	Littlewater	1
	Ojo Encino	1
	Torreón	2
Total Delegate Tolth		9

Honorable Delegate Germaine Simonson	Pinon	2
	Whippoorwill	2
Total Delegate Simonson		4
Honorable Delegate Helena Nez Begay	Bodaway-Gap	1
	Coppermine	1
	LeChee	3
Total Delegate Begay		5
Honorable Delegate Herman Daniels Jr.	Oljato	1
	Shonto	1
Total Delegate Daniels Jr.		2
Honorable Delegate Lomardo Aseret	Houck	2
	Klagetoh	1
	Lupton	3
	Nahata Dziil	2
	Wide Ruins	2
Total Delegate Aseret		10
Honorable Delegate Nathan Notah	Coyote Canyon	3
	Mexican Springs	1
	Naschitti	6
	Tohatchi	3
	Twin Lakes (Bahastl' ah')	4
Total Delegate Notah		17
Honorable Delegate Otto Tso	Tuba City (To' Nanees' Dizi')	8
Total Delegate Tso		8
Honorable Delegate Paul Begay	Tonalea	1
Total Delegate Begay		1
Honorable Delegate Rickie Nez	Nenahnezad	1
	Upper Fruitland	1
Total Delegate Nez		2
Honorable Delegate Damon	Chilchinbeto	1
	Dennehotso	1
	Kayenta	1
Total Delegate Damon		3
Honorable Delegate Shaandiin Parrish	Chilchinbeto	2
	Dennehotso	1
	Kayenta	1
Total Delegate Parrish		4

Honorable Delegate Shawna Ann Claw	Chinle	14
Total Delegate Claw		14
Honorable Delegate Steven R. Arviso	Church Rock	6
	Iyanbito	5
	Mariano Lake	1
	Pinedale	1
	Thoreau	1
Total Delegate Arviso		14
Honorable Delegate Vince R. James	Cornfields	1
	Ganado	8
	Jeddito	1
	Kinlichee (Kin Dah Lichii)	1
	Steamboat	8
Total Delegate James		19
Grand Total		189

400 cistern projects were approved with CJN-29-22

	Project Stage	Total No. of Projects
1	IHS or NN Referrals	166
2	Projects that are in the Engineering Stage *	107
3	Projects pending a NN EPA Permit **	0
4	Projects with an NN EPA Permit	0
5	Projects that are in Construction	0
6	Projects that are Constructed & In Service	44
	Total Active Projects	317

5.15 DRINKING WATER: SOURCE

Water Cistern Connections (Completed)

Delegate	Chapter	Count of No. of Customers
Honorable Delegate Dr. Andy Nez	Fort Defiance	1
	Sawmill	1
Total Delegate Dr. Nez		2
Honorable Delegate Carl R. Slater	Lukachukay	3
	Rough Rock	9
Total Delegate Slater		12
Honorable Delegate Casey A. Johnson	Cameron	1
	Leupp	1
Total Delegate Johnson		2
Honorable Delegate Cheryl Yazzie	Greasewood Springs	1
	Teesto	1
	Whitecone	1
Total Delegate Yazzie		3
Honorable Delegate Madam Speaker Crystalyne Curley	Tselani/Cottonwood	3
Total Madam Speaker		3
Honorable Delegate George Tolth	Baca/Prewitt	1
Total Delegate Tolth		1
Honorable Delegate Germaine Simonson	Forest Lake	1
	Forest Lake	1
Total Delegate Simonson		2
Honorable Delegate Helena N. Begay	Coppermine	5
Total Delegate Begay		5
Honorable Delegate Lomardo Aseret	Houck	1
	Klagetoh	1
Total Delegate Aseret		2
Honorable Delegate Nathan Notah	Coyote Canyon	1
	Naschitti	1
Total Delegate Notah		2

Honorable Delegate Rickie Nez	Newcomb	1
Total Delegate Nez		1
Honorable Delegate Shaandiin Parrish	Dennehotso	1
Total Delegate Parrish		1
Honorable Delegate Shawna Ann Claw	Chinle	1
Total Delegate Claw		1
Honorable Delegate Steven R. Arviso	Church Rock	1
Total Delegate Arviso		1
Honorable Delegate Vince R. James	Kinlichee	2
	Steamboat	4
Total Delegate James		6
Grand Total		44