



# ARPA II Report # 2

## 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 fifteen million 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. Moving forward, NTUA will provide an update of each section of the Expenditure Category as well as the project name with a table that shows the progress being made on the projects. The data is as of July 13, 2023.

## 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 homes to 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 Department of Community Development Portal (NTUA Service Area)	ARPA Service Line Applications (less than 1 mile)	ARPA Total
1 Preliminary	52	539	66	657
2 Engineering	8	2	0	10
3 In ROW	316	65	149	530
4 ROW Approved	8	7	167	182
5 Release for Construction	17	0	4	21
6 Construction Complete	27	9	184	220
Total	428	622	570	1620

## 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.

The projects are located in a specific chapter however the projects may serve a broader region.

Project Description	Chapter	Delegate Region
Ganado WWTP Present and Future Growth Capacity Project, new cells 1,2 & 3	Ganado	Hon. Vince James
Kayenta Wastewater Treatment Plant Present and Future Growth Capacity	Kayenta	Hon. Shaandiin Parrish
Chinle Wastewater Treatment Plant Present and Future Growth Capacity	Chinle	Hon. Shawna Ann Claw
Tuba City Wastewater Treatment Plant Present and Future Growth Capacity	Tuba City	Hon. Otto Tso
Shiprock Wastewater Treatment Plant Present and Future Growth Capacity	Shiprock Regional	Hon. Eugenia Charles-Newton

## 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.

Project Description	Chapter	Delegate Region
Halchita WTP Evaporation Pond & H2S Treatment	Oljato	Hon. Herman Daniels, Jr.
New Aneth Arsenic Removal Water Treatment Plant and Intertie (Phase II)	Aneth	Hon. Curtis Yanito
New Chinle Water Treatment Plant, Matching Contribution (Planned Completion 12/2023)	Chinle	Hon. Shawna Ann Claw

## 5.11 DRINKING WATER: TRANSMISSION AND DISTRIBUTION

The drinking water: transmission and distribution projects consist of replacing of twenty-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.

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

## 5.13 DRINKING WATER: SOURCE

The drinking water: source projects consist of constructing new water wells and 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.

Project Description	Chapter	Delegate Region
New Well Pumphouse	Houck	Hon. Lomardo Aseret
Additional Water Well and Pump House	Twin Lakes	Hon. Nathan Notah
Additional Water Well and Pump House	Chilchinbeto	Hon. Shaandiin Parrish
Additional Water Well and Pump House	Tsaile	Hon. Carl R. Slater
Additional Water Well and Pump House	Forest Lake	Hon. Germaine Simonson
Additional Water Well and Pump House	Kayenta	Hon. Shaandiin Parrish

## 5.15 DRINKING WATER: SOURCE

The drinking water: other water infrastructure projects consist of connection to a waterline or water cistern system with a total proposed budget of \$84,000,000. President Buu Nygren executed a subrecipient agreement on April 26, 2023. NTUA has not received the funds but has started working on conducting feasibility assessments for hundreds of Navajo members.

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. NTUA will also connect the home to a septic system.

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. 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.

NTUA is currently working through a list of potential cistern project sites which we have received from OEH as well as infeasible 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.
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1000 waterline projects were approved with CJN-29-22

Project Stage		Total No. of Projects
1	Applications under Review	687
2	Projects that are in the Engineering Stage*	541
3	Projects at the Right of Way Stage	75
4	Projects with Approved ROW**	3
5	Projects pending a NN EPA Permit	0
6	Projects that are in Construction	27
7	Projects that are Constructed and in Service***	142
<b>Total</b>		<b>1475</b>

\*75 Projects in the NTUA HQ W/WW Internal Design Review

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 *	115
3	Projects pending a NN EPA Permit **	0
4	Projects with an NN EPA Permit	0
5	Projects that are in Construction	7
6	Projects that are Constructed and In Service	28
<b>Total Active Projects</b>		<b>316</b>

\*\* 193 Projects were found to be infeasible

## 5.15 DRINKING WATER: SOURCE - Water Cistern Connections (Completed)

Row Labels	Count of Families
<b>Hon. Andy Nez</b>	<b>2</b>
Ft. Defiance	1
Sawmill	1
<b>Hon. Carl R. Slater</b>	<b>5</b>
Lukachukai	2
Rough Rock	3
<b>Hon. Cherilyn Yazzie</b>	<b>2</b>
Greasewood Springs	1
Whitecone	1
<b>Hon. Crystalyne Curley</b>	<b>1</b>
Tselani/Cottonwood	1
<b>Hon. Danny Simpson</b>	<b>1</b>
Church Rock	1
<b>Hon. George Tolth</b>	<b>1</b>
Baca/Prewitt	1
<b>Hon. Germaine Simpson</b>	<b>1</b>
Forrest Lake	1
<b>Hon. Helena Nez Begay</b>	<b>3</b>
Coppermine	3
<b>Hon. Lomardo Aseret</b>	<b>2</b>
Houck	2
<b>Hon. Nathan Notah</b>	<b>2</b>
Coyote Canyon	1
Naschitti	1
<b>Hon. Rickie Nez</b>	<b>1</b>
Newcomb	1
<b>Hon. Shaandiin Parrish</b>	<b>1</b>
Dennehootso	1
<b>Hon. Vince R. James</b>	<b>6</b>
Kinlichee	2
Steamboat	4
<b>Grand Total</b>	<b>28</b>

## 5.15 DRINKING WATER: SOURCE - Waterline Connections (Completed)

Row Labels	Project Numbers per Delegate
<b>Hon. Andy Nez</b>	<b>14</b>
Crystal	3
Fort Defiance	7
Red Lake	1
Sawmill	3
<b>Hon. Brenda Jesus</b>	<b>7</b>
Oak Springs	1
St. Michaels	6
<b>Hon. Carl Slater</b>	<b>13</b>
Lukachukai	3
Rock Point	3
Round Rock	4
Tsaile/Wheatfields	3
<b>Hon. Casey Allen Johnson</b>	<b>3</b>
Cameron	2
Leupp	1
<b>Hon. Cherilyn Yazzie</b>	<b>6</b>
Dilkon	2
Greasewood	2
Indian Wells	1
Teesto	1
<b>Hon. Crystalyne Curley</b>	<b>8</b>
Many Farms	1
Nazlini	2
Tachee/Blue Gap	4
Tselani/Cottonwood	1
<b>Hon. Curtis Yanito</b>	<b>2</b>
Red Mesa	1
TeecNosPos	1
<b>Hon. Danny Simpson</b>	<b>4</b>
Crownpoint	2
Dalton Pass	1
Standing Rock	1
<b>Hon. Eugenia Charles-Newton</b>	<b>1</b>
Shiprock	1
	<b>1</b>

<b>Hon. George Tolth</b>	<b>7</b>
Baca/Prewitt	4
Counselor	1
Ojo Encino	1
Torreon	1
<b>Hon. Germaine Simonson</b>	<b>3</b>
Pinon	1
Whippoorwill	2
<b>Hon. Helena Nez Begay</b>	<b>4</b>
Bodaway/Gap	1
LeChee	3
<b>Hon. Herman Daniels, Jr.</b>	<b>2</b>
Oljato	1
Shonto	1
<b>Hon. Lomardo Aseret</b>	<b>9</b>
Houck	2
Klagetoh	1
Lupton	3
New Lands	1
Wide Ruins	2
<b>Hon. Nathan Notah</b>	<b>13</b>
Coyote Canyon	2
Mexican Springs	1
Naschitti	4
Tohatchi	2
Twin Lakes	4
<b>Hon. Otto Tso</b>	<b>5</b>
Tuba City	5
<b>Hon. Rickie Nez</b>	<b>1</b>
Nenahnezad	1
<b>Hon. Seth Damon</b>	<b>2</b>
Chichiltah	1
Rocksprings	1
<b>Hon. Shaandiin Parrish</b>	<b>4</b>
Chilchinbeto	2
Dennehotso	1
Kayenta	1

<b>Hon. Shawna Ann Claw</b>	<b>9</b>
Chinle	9
<b>Hon. Steven R. Arviso</b>	<b>12</b>
Church Rock	5
Iyanbito	4
Mariano Lake	1
Pinedale	1
Thoreau	1
<b>Hon. Vince James</b>	<b>14</b>
Cornfields	1
Ganado	4
Jeddito	1
Kinlichee	1
Steamboat	7
<b>Grand Total</b>	<b>143</b>

## 2.18 CONNECTING HOMES TO ELECTRICITY PROJECTS (COMPLETED PROJECTS)

Delegate	Chapter	Count of No. of Families
<b>Hon. Amber Kanazbah-Crotty</b>	Cove	1
	Cudeii (Gadii ahi/To' Koi)	3
	Red Valley	1
<b>Hon. Amber Kanazbah-Crotty Total</b>		<b>5</b>
<b>Hon. Andy Nez</b>	Fort Defiance	4
	Sawmill	1
<b>Hon. Andy Nez Total</b>		<b>5</b>
<b>Hon. Brenda Jesus</b>	Oak Springs	3
	St. Michaels	3
<b>Hon. Brenda Jesus Total</b>		<b>6</b>
<b>Hon. Carl Roessel Slater</b>	Lukachukai	6
	Rock Point	7
	Rough Rock (Tse Ch' Izhi)	3
	Round Rock	4
	Tsaile-Wheatfields	7
<b>Hon. Carl Roessel Slater Total</b>		<b>27</b>



<b>Hon. Casey Allen Johnson</b>	Birdsprings (Tsidii To'ii)	1
	Leupp	6
	Tolani Lake	3
<b>Hon. Casey Allen Johnson Total</b>		<b>10</b>
<b>Hon. Cherilyn Yazzie</b>	Dilkon	1
	Greasewood Springs	4
	Indian Wells	1
	Teesto	1
<b>Hon. Cherilyn Yazzie Total</b>		<b>7</b>
<b>Hon. Crystalyne Curley</b>	Low Mountain	9
	Many Farms	2
	Nazlini	7
	Tselani-Cottonwood	10
<b>Hon. Crystalyne Curley Total</b>		<b>28</b>
<b>Hon. Curtis Yanito</b>	Aneth	3
	Mexican water	2
	Red Mesa	4
	Tecnospos	5
<b>Hon. Curtis Yanito Total</b>		<b>14</b>
<b>Hon. Danny Simpson</b>	Standing Rock (Tse'li'Ahi')	1
<b>Hon. Danny Simpson Total</b>		<b>1</b>
<b>Hon. Eugenia Charles-Newton</b>	Shiprock	1
<b>Hon. Eugenia Charles-Newton Total</b>		<b>1</b>
<b>Hon. Germaine Simonson</b>	Hardrock	1
	Pinon	7
	Whippoorwill	2
<b>Hon. Germaine Simonson Total</b>		<b>10</b>
<b>Hon. Helena Nez Begay</b>	Bodaway-Gap	1
	Coppermine	3
	Kaibeto (Kai' Bii To)	5
	LeChee	2
	Tonalea/Red Lake	6
<b>Hon. Helena Nez Begay Total</b>		<b>17</b>
<b>Hon. Herman Daniels Jr.</b>	Inscription Hse (Ts'ah Bii Kin)	23
	Navajo Mountain	4
	Oljato	9
	Shonto	5
<b>Hon. Herman Daniels Jr. Total</b>		<b>41</b>

Hon. Lomardo Aseret	Houck	2
	Klagetoh	2
	Wide Ruins	1
Hon. Lomardo Aseret Total		5
Hon. Nathan Notah	Coyote Canyon	3
	Mexican Springs	1
	Naschitti	3
Hon. Nathan Notah Total		7
Hon. Otto Tso	Tuba City (To' Nanees' Dizi')	13
Hon. Otto Tso Total		13
Hon. Rickie Nez	Newcomb (Tiis Nideeshgish)	2
	San Juan	1
Hon. Rickie Nez Total		3
Hon. Shaandiin Parrish	Chilchinbeto	7
	Dennehotso	3
	Kayenta	2
Hon. Shaandiin Parrish Total		12
Hon. Shawna Ann Claw	Chinle	22
Hon. Shawna Ann Claw Total		22
Hon. Vince R. James	Cornfields	2
	Ganado	8
	Jeddito	1
	Kinlichee (Kin Dah Lichii)	1
	Steamboat	12
Hon. Vince R. James Total		24
Grand Total		258