



# ARPA II Report # 4

## 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 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<br>NTUA Community<br>Projects | ARPA<br>Division of<br>Community<br>Development<br>Portal (NTUA<br>Service Area) | ARPA<br>Service Line<br>Applications<br>(less than 1<br>mile) | ARPA<br>Total |
|----------------------------|------------------------------------|--|---|---------------|
| 1 Preliminary              | 35                                 | 550  | 92  | 677           |
| 2 Engineering              | 7                                  | 2  | 0   | 9             |
| 3 In ROW                   | 317                                | 29   | 142   | 488           |
| 4 ROWS Approved            | 8                                  | 18   | 131   | 157           |
| 5 Release for Construction | 12                                 | 2  | 13  | 27            |
| 6 Construction Complete    | 49                                 | 22   | 254   | 325           |
| Total                      | 428                                | 623  | 632   | 1683          |

This table is of 11/7/2023.

### 2.18 CONNECTING HOMES TO ELECTRICITY PROJECTS

#### (Completed Projects)

| <b>Delegate</b>                    | <b>Chapter</b>             | <b>Count of No. of Customers</b> |
|------------------------------------|----------------------------|----------------------------------|
| <b>Amber Kanazbah-Crotty</b>       | Beclabito                  | 1                                |
|                                    | Cove                       | 1                                |
|                                    | Cudeii (Gadii ahi/To' Koi) | 3                                |
|                                    | Red Valley                 | 1                                |
|                                    | Sanostee (Tse Alnaozt'ii)  | 2                                |
| <b>Amber Kanazbah-Crotty Total</b> |                            | <b>8</b>                         |
| <b>Andy Nez</b>                    | Fort Defiance              | 4                                |
|                                    | Sawmill                    | 3                                |
| <b>Andy Nez Total</b>              |                            | <b>7</b>                         |
| <b>Brenda Jesus</b>                | Oak Springs                | 4                                |
|                                    | St. Michaels               | 5                                |
| <b>Brenda Jesus Total</b>          |                            | <b>9</b>                         |
| <b>Carl Roessel Slater</b>         | Lukachukai                 | 6                                |
|                                    | Rock Point                 | 7                                |
|                                    | Rough Rock (Tse Ch' Izhi)  | 3                                |
|                                    | Round Rock                 | 5                                |
|                                    | Tsaile-Wheatfields         | 7                                |
| <b>Carl Roessel Slater Total</b>   |                            | <b>28</b>                        |
| <b>Casey Allen Johnson</b>         | Birdsprings (Tsidii To'ii) | 1                                |
|                                    | Cameron                    | 1                                |
|                                    | Coalmine Canyon            | 1                                |
|                                    | Leupp                      | 6                                |
|                                    | Tolani Lake                | 9                                |
| <b>Casey Allen Johnson Total</b>   |                            | <b>18</b>                        |
| <b>Cherilyn Yazzie</b>             | Dilkon                     | 3                                |
|                                    | Greasewood Springs         | 4                                |
|                                    | Indian Wells               | 2                                |
|                                    | Teesto                     | 1                                |
|                                    | Whitecone                  | 2                                |
| <b>Cherilyn Yazzie Total</b>       |                            | <b>12</b>                        |
| <b>Crystalyne Curley</b>           | Low Mountain               | 10                               |
|                                    | Many Farms                 | 2                                |
|                                    | Nazlini                    | 7                                |
|                                    | Tselani-Cottonwood         | 10                               |
| <b>Crystalyne Curley Total</b>     |                            | <b>29</b>                        |
| <b>Curtis Yanito</b>               | Aneth                      | 3                                |
|                                    | Mexican water              | 2                                |
|                                    | Red Mesa                   | 4                                |
|                                    | Tecnospos                  | 5                                |

|                                     |                                 |           |
|-------------------------------------|---------------------------------|-----------|
| <b>Curtis Yanito Total</b>          |                                 | <b>14</b> |
| <b>Danny Simpson</b>                | Standing Rock (Tse'li'Ahi')     | 1         |
| <b>Danny Simpson Total</b>          |                                 | <b>1</b>  |
| <b>Eugenia Charles-Newton</b>       | Shiprock                        | 2         |
| <b>Eugenia Charles-Newton Total</b> |                                 | <b>2</b>  |
| <b>Germaine Simonson</b>            | Hardrock                        | 1         |
|                                     | Pinon                           | 7         |
|                                     | Whippoorwill                    | 3         |
| <b>Germaine Simonson Total</b>      |                                 | <b>11</b> |
| <b>Helena Nez Begay</b>             | Bodaway-Gap                     | 1         |
|                                     | Coppermine                      | 7         |
|                                     | Kaibeto (Kai' Bii To)           | 5         |
|                                     | LeChee                          | 2         |
|                                     | Tonalea/Red Lake                | 9         |
| <b>Helena Nez Begay Total</b>       |                                 | <b>24</b> |
| <b>Herman Daniels Jr.</b>           | Inscription Hse (Ts'ah Bii Kin) | 25        |
|                                     | Navajo Mountain                 | 4         |
|                                     | Oljato                          | 20        |
|                                     | Shonto                          | 5         |
| <b>Herman Daniels Jr. Total</b>     |                                 | <b>54</b> |
| <b>Lomardo Aseret</b>               | Houck                           | 2         |
|                                     | Klagetoh                        | 2         |
|                                     | Nahata Dziil                    | 3         |
|                                     | Wide Ruins                      | 1         |
| <b>Lomardo Aseret Total</b>         |                                 | <b>8</b>  |
| <b>Nathan Notah</b>                 | Coyote Canyon                   | 3         |
|                                     | Mexican Springs                 | 1         |
|                                     | Naschitti                       | 5         |
|                                     | Twin Lakes (Bahastl' ah')       | 2         |
| <b>Nathan Notah Total</b>           |                                 | <b>11</b> |
| <b>Otto Tso</b>                     | Tuba City (To' Nanees' Dizi')   | 15        |
| <b>Otto Tso Total</b>               |                                 | <b>15</b> |
| <b>Rickie Nez</b>                   | Newcomb (Tiis Nideeshgish)      | 2         |
|                                     | San Juan                        | 1         |
|                                     | Upper Fruitland                 | 1         |
| <b>Rickie Nez Total</b>             |                                 | <b>4</b>  |

|                                |                            |            |
|--------------------------------|----------------------------|------------|
| <b>Shaandiin Parrish</b>       | Chilchinbeto               | 8          |
|                                | Dennehotso                 | 3          |
|                                | Kayenta                    | 3          |
| <b>Shaandiin Parrish Total</b> |                            | <b>14</b>  |
| <b>Shawna Ann Claw</b>         | Chinle                     | 25         |
| <b>Shawna Ann Claw Total</b>   |                            | <b>25</b>  |
| <b>Vince R. James</b>          | Cornfields                 | 2          |
|                                | Ganado                     | 13         |
|                                | Jeddito                    | 2          |
|                                | Kinlichee (Kin Dah Lichii) | 1          |
|                                | Steamboat                  | 13         |
| <b>Vince R. James Total</b>    |                            | <b>31</b>  |
| <b>Grand Total</b>             |                            | <b>325</b> |

This table reflects data as of 11.7.2023.

## 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 located 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<br>(Requesting for reallocation) | In Procurement  |
| Chinle Wastewater Treatment Plant Present and Future Growth Capacity      | Chinle  | Hon. Shawna Ann Claw<br>(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 H<sub>2</sub>S 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 <sub>2</sub> 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. 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                       | 671                   |
| 2             | Projects that are in the Engineering Stage*     | 546                   |
| 3             | Projects at the Right of Way Stage              | 34                    |
| 4             | Projects with Approved ROW**                    | 28                    |
| 5             | Projects pending a NN EPA Permit                | 12                    |
| 6             | Projects that are in Construction               | 20                    |
| 7             | Projects that are Constructed and in Service*** | 183                   |
| <b>Total</b>  |   | <b>1494</b>           |

## 5.15 DRINKING WATER: SOURCE

### Waterline Connections (Completed Projects)

| Delegate                     | Chapter            | Count of Delegate |
|------------------------------|--------------------|-------------------|
| <b>Amber Kanazbah Crotty</b> |                    | <b>1</b>          |
|                              | Tse Alnaozti'i'    | 1                 |
| <b>Andy Nez</b>              |                    | <b>16</b>         |
|                              | Crystal            | 3                 |
|                              | Fort Defiance      | 8                 |
|                              | Red Lake           | 1                 |
|                              | Sawmill            | 4                 |
| <b>Brenda Jesus</b>          |                    | <b>9</b>          |
|                              | Oak Springs        | 1                 |
|                              | St. Michaels       | 8                 |
| <b>Carl Slater</b>           |                    | <b>15</b>         |
|                              | Lukachukai         | 4                 |
|                              | Rock Point         | 4                 |
|                              | Round Rock         | 4                 |
|                              | Tsaile             | 1                 |
|                              | Tsaile/Wheatfields | 2                 |
| <b>Casey Allen Johnson</b>   |                    | <b>3</b>          |
|                              | Cameron            | 1                 |
|                              | Cameron            | 1                 |

|                               |                        |           |
|-------------------------------|------------------------|-----------|
|                               | Leupp                  | 1         |
| <b>Cherilyn Yazzie</b>        |                        | <b>9</b>  |
|                               | Dilkon                 | 3         |
|                               | Greasewood             | 2         |
|                               | Indian Wells           | 2         |
|                               | Teesto                 | 2         |
| <b>Crystalyne Curley</b>      |                        | <b>13</b> |
|                               | Many Farms             | 2         |
|                               | Nazlini                | 3         |
|                               | Tachee/Blue Gap        | 7         |
|                               | Tselani/Cottonwood     | 1         |
| <b>Curtis Yanito</b>          |                        | <b>2</b>  |
|                               | Red Mesa               | 1         |
|                               | TeecNosPos             | 1         |
| <b>Danny Simpson</b>          |                        | <b>4</b>  |
|                               | Crownpoint             | 2         |
|                               | Dalton Pass            | 1         |
|                               | Standing Rock          | 1         |
| <b>Eugenia Charles-Newton</b> |                        | <b>1</b>  |
|                               | Shiprock               | 1         |
| <b>George Tolth</b>           |                        | <b>9</b>  |
|                               | Baca/Prewitt           | 4         |
|                               | Counselor              | 1         |
|                               | Littlewater            | 1         |
|                               | Ojo Encino             | 1         |
|                               | Torreón                | 2         |
| <b>Germaine Simonson</b>      |                        | <b>4</b>  |
|                               | Pinon                  | 2         |
|                               | Whippoorwill           | 2         |
| <b>Helena Nez Begay</b>       |                        | <b>5</b>  |
|                               | Bodaway/Gap            | 1         |
|                               | Coppermine             | 1         |
|                               | LeChee                 | 3         |
| <b>Herman Daniels, Jr.</b>    |                        | <b>2</b>  |
|                               | Oljato                 | 1         |
|                               | Shonto                 | 1         |
| <b>Lomardo Aseret</b>         |                        | <b>10</b> |
|                               | Houck                  | 2         |
|                               | Klagetoh               | 1         |
|                               | Lupton                 | 3         |
|                               | Nahata Dziil (Sanders) | 2         |
|                               | Wide Ruins             | 2         |
| <b>Nathan Notah</b>           |                        | <b>16</b> |
|                               | Coyote Canyon          | 3         |
|                               | Mexican Springs        | 1         |
|                               | Naschitti              | 5         |
|                               | Tohatchi               | 2         |
|                               | Tohatchi               | 1         |



|                          |                 |            |
|--------------------------|-----------------|------------|
|                          | Twin Lakes      | 4          |
| <b>Otto Tso</b>          |                 | <b>8</b>   |
|                          | Tuba City       | 8          |
| <b>Helena Nez-Begay</b>  |                 | <b>1</b>   |
|                          | Tonalea         | 1          |
| <b>Rickie Nez</b>        |                 | <b>2</b>   |
|                          | Nenahnezad      | 1          |
|                          | Upper Fruitland | 1          |
| <b>Seth Damon</b>        |                 | <b>3</b>   |
|                          | Chichiltah      | 1          |
|                          | Manuelito       | 1          |
|                          | Rocksprings     | 1          |
| <b>Shaandiin Parrish</b> |                 | <b>4</b>   |
|                          | Chilchinbeto    | 2          |
|                          | Dennehotso      | 1          |
|                          | Kayenta         | 1          |
| <b>Shawna Ann Claw</b>   |                 | <b>13</b>  |
|                          | Chinle          | 12         |
|                          | Chinle          | 1          |
| <b>Steven R. Arviso</b>  |                 | <b>14</b>  |
|                          | Church Rock     | 6          |
|                          | Iyanbito        | 5          |
|                          | Mariano Lake    | 1          |
|                          | Pinedale        | 1          |
|                          | Thoreau         | 1          |
| <b>Vince James</b>       |                 | <b>19</b>  |
|                          | Cornfields      | 1          |
|                          | Ganado          | 8          |
|                          | Jeddito         | 1          |
|                          | Kinlichee       | 1          |
|                          | Steamboat       | 8          |
| <b>Grand Total</b>       |                 | <b>183</b> |

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 and In Service | 39                    |
|   | <b>Total Active Projects</b>                 | <b>316</b>            |

## 5.15 DRINKING WATER: SOURCE

### Water Cistern Connections (Completed)

| DELEGATE           | CHAPTER            | Count of DELEGATE |
|--------------------|--------------------|-------------------|
| Andy Nez           | Ft. Defiance       | 1                 |
|                    | Sawmill            | 1                 |
| Carl R. Slater     | Lukachukai         | 2                 |
|                    | Rough Rock         | 3                 |
| Casey A. Johnson   | Cameron            | 1                 |
|                    | Leupp              | 2                 |
| Cherilyn Yazzie    | Greasewood Springs | 1                 |
|                    | Teesto             | 1                 |
|                    | Whitecone          | 1                 |
| Crystalyne Curley  | Tselani/Cottonwood | 3                 |
|                    |                    |                   |
| George Tolth       | Baca/Prewitt       | 1                 |
|                    |                    |                   |
| Germaine Simpson   | Forest Lake        | 1                 |
|                    | Forrest Lake       | 1                 |
| Helena N. Begay    | Coppermine         | 5                 |
|                    |                    |                   |
| Lomardo Aseret     | Houck              | 2                 |
|                    | Klagetoh           | 1                 |
| Nathan Notah       | Coyote Canyon      | 1                 |
|                    | Naschitti          | 1                 |
| Rickie Nez         | Newcomb            | 1                 |
|                    |                    |                   |
| Shaandiin Parrish  | Dennehootso        | 1                 |
|                    |                    |                   |
| Shawna Ann Claw    | Chinle             | 1                 |
|                    |                    |                   |
| Steven R. Arviso   | Church Rock        | 1                 |
|                    |                    |                   |
| Vince R. James     | Kinlichee          | 2                 |
|                    | Steamboat          | 4                 |
| <b>Grand Total</b> |                    | <b>39</b>         |