

Meeting the Needs of the Navajo Nation



NTUA Update of Navajo Nation Fiscal Recovery Funds (NNFRF)
American Rescue Plan Act 2021 & Refunded Defunded CARES Act Projects

NTUA Defunded Projects Update #15 – Status of Utility Projects as of June 8, 2023

This report highlights the progress of the refunded Defunded Navajo Nation CARES Act Projects. These utility projects were initially funded under the Navajo Nation CARES Act Fund but were later defunded as the Navajo Nation’s deadline for the completion of these projects neared, prompting the Navajo Nation to recall the funds and reallocate the unspent funds to the Navajo Nation Hardship Assistance Expenditure Plan.

NTUA NNFRF Project Utility Construction Update #15

Data as of June 8, 2023

2.18 – HOUSING SUPPORT: OTHER HOUSING ASSISTANCE

The Navajo Nation approved NNFRF funding for projects that will provide a source of power and when necessary to provide funds to have the house wired for Navajo family homes which reside on the Navajo Nation. There are two sections: NTUA electric connections and off-grid residential solar units.

NTUA Electric Connections:

With the funds designated for NTUA electric connections, NTUA estimates it can fund the extension of NTUA’s existing electric distribution lines to 404 Navajo family homes. This plan includes funds, as needed, to complete interior house wiring, pole mounted meter loops, certification and recertification of house wiring, and inspections. As of this Update, 319 Navajo families have been connected to the grid under the Defunded CARES Act (DCA)

*** Please note previous updates included projects under the Defunded CARES Act projects and projects listed in CJN-29-22. A separate report labeled ARPA II Report – highlights those specific projects. In this Update, only projects under the Defunded CARES Act project listing will be reflected in the reporting table below.

Table 1: NTUA Electric Connections: Staging of 404 Homes

	DCA Community Powerline Projects	DCA Short Line Extensions	DCA Total
1. Preliminary	1	0	1
2. Engineering	0	0	0
3. In ROW	1	23	24
4. ROWS Approved	3	345	38
5. Release for Construction	13	0	13
6. Construction Complete & In Service	34	285	319
Total	52	343	395

Table 1 above shows the various stages of completed electric service applications. Stages 1 through 4 are completed applications that are under review, but some may never be constructed for a variety of reasons.

Off-Grid Residential Solar Units:

With the funds designated for the off-grid residential solar projects, NTUA estimates it can fund the installation of 150 off-grid solar systems and 425 electric grid connections to Navajo homes. The 150 off-grid residential solar systems comprise of a skid mounted solar unit, battery system, and an energy efficient refrigerator.

This funding also covers, as needed, basic interior house wiring, certification and re-certification of house wiring, inspection, and a generator with an automatic transfer switch (if medically necessary). NTUA has selected Industrial Solar Consulting, out of Gilbert, AZ to manufacture and install these solar units. NTUA anticipates completing all residential solar projects by the end of June 2023.

Table 2: Off-Grid Residential Solar Units: Staging of 150 Solar Projects

Off-Grid Residential Solar Project Stage		Status
1	Completed Applications	0
2	Projects that are in the Engineering Stage	0
3	Projects that are Found to be Feasible	0
4	Projects that are in Construction	40
5	Projects that are Constructed and In Service	110
Total		150

Table 2: Once funds have been exhausted, remaining projects will be moved to a future funding source.

Off-Grid Residential Solar Units: Staging of 425 Homes Connected to Electric Grid

The off-grid solar plan also includes funding to extend power from the existing distribution system to connect 425 Navajo family homes. This plan also includes funding, as needed, to complete the interior house wiring, pole mounted meter loops, certification and recertification of house wiring, and inspections. Usually, these costs are the responsibility of the homeowner, but now that these costs are covered the residents no longer have to worry about this.

Depending on the location of the homes to existing power lines, electric grid connections may be provided by NTUA or neighboring non-NTUA electric providers such as: Arizona Public Service (APS), Continental Divide Electric Cooperative (CDEC), the City of Farmington, the City of Gallup, Jemez Mountains Electric Cooperative (JMEC), or Socorro Electric.

Table 3: Off-Grid Residential Solar Units: Staging of 425 Homes Connected to Electric Grid Defunded CARES Act (DCA) – Neighboring Utilities Connection Staging

Electric Connections Stage (425)		Status
1	Completed Applications	0
2	Projects that are in the Engineering Stage	11
3	Projects that are at the Right-of-Way Stage	4
4	Projects with Approved Right of Way	10
5	Projects that are in Construction	6
6	Projects that are Constructed and In Service	92
Proposed DCA Neighboring Utility Projects Total		123

NTUA is working with APS, CDEC, and JMEC on several projects in each of their service territories to connect customers to the electric grid. See tables below. To date, 92 homes have been connected to the Grid by neighboring utilities.

Arizona Public Service Customers (APS)

Project Stages		Total No. of Projects
1	Completed Applications	0
2	Projects that are in the Engineering Stage	0
3	Projects that are at the ROW Stage	4
4	Projects with Approved ROW	2
5	Projects that are in Construction	0
6	Projects that are Constructed and In Service	3
Proposed DCA Neighboring Utility (APS) Projects		Total
		9

Continental Divide Electric Cooperative (CDEC) – New Mexico

		Total No. of Projects
1	Completed Applications	0
2	Projects that are in the Engineering Stage	8
3	Projects that are at the ROW Stage	0
4	Projects with Approved ROW	8
5	Projects that are in Construction	0
6	Projects that are Constructed and In Service	56
Proposed DCA Neighboring Utility (CDEC) Projects		Total
		78

Jemez Mountains Electric Cooperative (JMEC) – New Mexico

		Total No. of Projects
1	Completed Applications	0
2	Projects that are in the Engineering Stage	3
3	Projects that are at the ROW Stage	0
4	Projects with Approved ROW	0
5	Projects that are in Construction	6
6	Projects that are Constructed and In Service	33
Proposed DCA Neighboring Utility (JMEC) Projects		Total
		42

5.2 – CLEAN WATER: CENTRALIZED WASTEWATER COLLECTION & CONVEYANCE

The Navajo Nation authorized NNFRF for NTUA’s refunded Defunded Navajo Nation CARES Act Projects related to wastewater collection systems. With this funding NTUA estimates it can complete 9 projects. The projects will include rehabilitation and/or upgrades for lift stations.

A lift station pumps wastewater from a lower elevation to a higher elevation and allows the wastewater to flow into a lagoon or other wastewater treatment plants. NTUA has identified 6 lift stations in Arizona and 3 in New Mexico that may be funded from this expenditure category. The Shonto Lift Station should be completed at the end of July 2023.

Table 4: NTUA Centralized W/W Collection and Conveyance System Projects Stage

Projects Stage		Status
1	Design and Engineering	8
2	Right of Way	0
3	In Procurement Process	0
4	Release Construction	1
5	Construction Complete and InService	0
Total		9

Table 4 provides a status update of the nine projects. NTUA will move forward with project development in design and engineering. To advance these projects to the construction phase, NTUA will need to receive funds from the NNFRF.

5.3 CLEAN WATER: DECENTRALIZED WASTEWATER and 5.15–DRINKING WATER: OTHER WATER INFRASTRUCTURE

The Navajo Nation authorized NNFRF for NTUA’s Defunded Navajo Nation CARES Act decentralized wastewater projects. With this funding, project projections indicate NTUA can complete (78) septic disposal system projects connected to homes located on the Navajo Nation that are located too far from a centralized wastewater collection system for economical connection.

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.

Each project includes funding for either a solar system, connection to the electric grid or a small gas-powered electric generator. It should be noted that each project in this category has a companion project under expenditure category 5.15 which provides a water cistern system connection to the home.

NTUA will move forward with project engineering development. To advance these projects to the construction phase, NTUA will need to receive funds from the NNFRF. Once NTUA has exhausted all the funds in expenditure category 5.3, all remaining unfinished project will be eligible to be moved to a future funding source.

These are the projects in communities proposed for a septic wastewater system. The chart shows how many and the stage of project progress.

Delegate	Chapter	Total	Completed	In Construction	Need to Identify
Hon. Brenda Jesus	St. Michaels	1	0	1	0
Hon. Carl R. Slater	Rock Point	1	1	0	0
Hon. Carl R. Slater	Round Rock	3	2	0	1
Hon. Carl R. Slater	Tsaile	1	1	0	0
Hon. Casey Allen Johnson	Bird Springs	6	1	4	1
Hon. Casey Allen Johnson	Leupp	6	1	1	4
Hon. Cherilyn Yazzie	Dilkon	6	1	1	4
Hon. Cherilyn Yazzie	Greasewood Springs	3	1	1	1
Hon. Cherilyn Yazzie	Indian Wells	5	0	1	4
Hon. Cherilyn Yazzie	White Cone	2	0	0	2
Hon. Germaine Simonson	Black Mesa	1	0	1	0
Hon. Germaine Simonson	Forest Lake	3	2	0	1
Hon. Herman M. Daniels	Oljato	3	2	1	0
Hon. Herman M. Daniels	Shonto	3	0	0	3
Hon. Lomardo Aseret	Klagetoh	2	2	0	0
Hon. Lomardo Aseret	Houck	1	1	0	0
Hon. Lomardo Aseret	Wide Ruins	4	4	0	0
Hon. Nathan Notah	Naschitti	3	1	0	2
Hon. Otto Tso	Tuba City	1	1	0	0
Hon. Seth Damon	Chilchiltah	8	0	1	7
Hon. Shaandiin Parrish	Chilchinbeto	5	2	0	3
Hon. Shaandiin Parrish	Kayenta	5	0	2	3
Hon. Steven R. Arviso	Iyanbito	1	0	0	1
Hon. Vince R. James	Ganado	2	2	0	0
Hon. Vince R. James	Kinlichee	2	2	0	0
Totals		78	27	14	37

Table 5: Septic Systems Referral Stage: The table shows more projects being processed than the 78 that were funded. NTUA continues to leverage other funding sources to complete more projects. NTUA has received funding to complete 46 projects using Indian Community Development Block Grant funding (CDBG). However, the remaining projects still require funding.

5.11 – DRINKING WATER: TRANSMISSION AND DISTRIBUTION

The Navajo Nation approved NTUA’s refunded Defunded Navajo Nation CARES Act drinking water transmission and distribution projects. With this funding NTUA estimates it can complete 16 transmission and distribution projects.

This funding category provides funds to replace 7 compromised water distribution lines and 6 compromised Pressure Reducing Valves (PRV) and provides funds to upgrade existing electric distribution lines to provide power to 3 water transmission line projects.

Table 6: Stage of NTUA Drinking Water: Transmission and Distribution Projects

Stage of NTUA Drinking Water: Transmission and Distribution Projects		Status
1	Design and Engineering	0
2	Right-of-Way	0
3	In Procurement Process	6
4	Release Construction	0
5	Construction Complete and In-Service	10
Total		16

Table 6: Of these 16 projects, NTUA has completed the construction of 10 projects.

5.14 DRINKING WATER STORAGE

The Navajo Nation approved funds from the NNFRF for NTUA’s drinking water storage projects. Water storage tanks serve as the main water supply for Navajo communities. It is important to keep water storage tanks maintained to provide safe and reliable drinking water for community members.

The original legislation funded the rehabilitation of 2 existing NTUA water storage tanks, located in Gap/Bodaway and Dennehotso AZ communities. However, NTUA was able to complete the two projects significantly under budget, which brought additional savings. NTUA received approval by the Navajo Nation to use the cost savings to fund the rehabilitation of two additional water tanks. NTUA is moving forward to rehabilitate the two water storage tanks in Casamero Lake and Smith Lake, both are in New Mexico.

5.19 BROADBAND – LAST MILE PROJECTS

The Navajo Nation approved NNFRF for NTUA’s refunded Defunded Navajo Nation CARES Act Projects related to last mile broadband projects. With this funding NTUA estimates it can complete 20 broadcast station uplifts that will provide wireless broadband services to unserved and underserved Navajo communities and will provide operation and maintenance expenses to continue the operation of 41 student/teacher Wi-Fi hotspots that are located throughout the Navajo Nation to support equitable and remote learning.

The 20 broadband broadcast station projects will include the cost of equipment, installation, operation, and maintenance to deliver broadband internet services to 20 Navajo communities. To provide broadband services to these Navajo communities, NTUA Wireless will deploy the following technologies: 600 MHz and Fixed Wireless Broadband (EBS/2.5GHz).

The projects are designed to deliver 100 Mbps download and 20 Mbps upload speeds (scalable to 100 Mbps download/upload) for users that are within a 3-mile radius of the EBS and CBRS sites assuming no interference with topography.

For users within 9 miles with line of site to the tower with CBRS and EBS mid-band spectrum, the projects are also leverage and overlay 600 MHz licensed spectrum on the sites to provide additional reach to homes beyond 9 miles (up to approximately 15 miles with speeds of 10 Mbps/1Mbps or higher). All three technologies, EBS, CBRS, and 600 MHz licensed spectrum, work in conjunction to maximize the range and speed for customers.

Table 8:

NTUA Broadband Last Mile Projects Stage		Status
1	Engineering Design Stage	0
2	Right-of-Way Stage	13
3	Procurement Stage	7
4	Released for Construction Stage	0
5	Testing and Commissioning Stage	0
6	Constructed and In Service Stage	41
Total		61

5.20 BROADBAND: OTHER PROJECTS

The Navajo Nation approved NNFRF for NTUA’s refunded Defunded Navajo Nation CARES Act middle mile projects completing mid-section infrastructure to enable internet connectivity in communities. With this funding NTUA estimates it can complete 10 middle mile projects, which include 2 towers, 2 fiber lines, and 6 fiber line make-ready projects. The fiber lines provide transport for the NTUA Wireless broadcast stations, enabling them to provide wireless broadband services.

The towers and associated microwave links as well as the fiber optic lines will provide transport at gigabit speeds which meet and exceed the 100 Mbps download and 100 Mbps upload speeds that are required by the U.S. Department of Treasury. Without the middle mile projects, the last mile projects to users cannot work. NTUA’s 6 fiber line make-ready projects will upgrade the electrical infrastructure to enable fiber line attachments which provides broadband services. Of these 10 projects, NTUA has completed the construction of 7 projects.

There are 3 projects in the development stage. NTUA is currently in the process of obtaining leases from the Navajo Land Department. Once the leases are finalized, NTUA can begin construction of the towers. Furthermore, NTUA anticipates cost savings from the make ready construction projects and shall construct additional fiber and tower projects as requested.

Table 9: Broadband

NTUA Broadband Middle Mile Projects Stage		Status
1	Engineering Design Stage	0
2	Right-of-Way Stage	3
3	Procurement Stage	0
4	Released for Construction Stage	0
5	Testing and Commissioning Stage	0
6	Constructed and In-Service Stage	7
Total		10

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

2.18 Housing Support: Other Housing Assistance

Delegate Region	Chapter	Project Description	Total Projects
Hon. Amber Kanazbah-Crotty	Cove	Electric Connections	2
Hon. Amber Kanazbah-Crotty	Cudeii (Gadii ahi/To' Koi)	Electric Connections	1
Hon. Amber Kanazbah-Crotty	Red Valley	Electric Connections	3
Hon. Amber Kanazbah-Crotty	Sanostee (Tse Alnaozt'ii)	Electric Connections	3
Hon. Amber Kanazbah-Crotty	Two Grey Hills/Toadlena	Electric Connections	1
Hon. Dr. Andy Nez	Crystal	Electric Connections	1
Hon. Dr. Andy Nez	Fort Defiance	Electric Connections	3
Hon. Dr. Andy Nez	Sawmill	Electric Connections	7
Hon. Brenda Jesus	St. Michaels	Electric Connections	12
Hon. Carl Roessel Slater	Lukachukai	Electric Connections	10
Hon. Carl Roessel Slater	Rock Point	Electric Connections	4
Hon. Carl Roessel Slater	Rough Rock (Tse Ch' Izhi)	Electric Connections	4
Hon. Carl Roessel Slater	Round Rock	Electric Connections	6
Hon. Carl Roessel Slater	Tsaile-Wheatfields	Electric Connections	1
Hon. Casey Allen Johnson	Birdsprings (Tsidii To'ii)	Electric Connections	1
Hon. Casey Allen Johnson	Coalmine Canyon	Electric Connections	1
Hon. Casey Allen Johnson	Tolani Lake	Electric Connections	1
Hon. Cherilyn Yazzie	Dilkon	Electric Connections	5
Hon. Cherilyn Yazzie	Greasewood Springs	Electric Connections	1
Hon. Cherilyn Yazzie	Indian Wells	Electric Connections	1
Hon. Cherilyn Yazzie	Teesto	Electric Connections	3
Hon. Crystalyne Curley	Blue Gap-Tachee	Electric Connections	9
Hon. Crystalyne Curley	Low Mountain	Electric Connections	2
Hon. Crystalyne Curley	Many Farms	Electric Connections	7
Hon. Crystalyne Curley	Nazlini	Electric Connections	6
Hon. Crystalyne Curley	Tselani-Cottonwood	Electric Connections	13
Hon. Curtis Yanito	Aneth	Electric Connections	9
Hon. Curtis Yanito	Mexican water	Electric Connections	5
Hon. Curtis Yanito	Red Mesa	Electric Connections	12
Hon. Curtis Yanito	Tecnospos	Electric Connections	7
Hon. Danny Simpson	Nahodishgish	Electric Connections	2
Hon. Danny Simpson	Standing Rock (Tse'li'Ahi')	Electric Connections	1
Hon. Eugenia Charles-Newton	Shiprock	Electric Connections	14
Hon. Germaine Simonson	Hardrock	Electric Connections	1
Hon. Germaine Simonson	Pinon	Electric Connections	7
Hon. Germaine Simonson	Whippoorwill	Electric Connections	3
Hon. Helena Nez Begay	Bodaway-Gap	Electric Connections	1
Hon. Helena Nez Begay	Coppermine	Electric Connections	4
Hon. Helena Nez Begay	Kaibeto (Kai' Bii To)	Electric Connections	2

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

2.18 Housing Support: Other Housing Assistance

Delegate Region	Chapter	Project Description	Total Projects
Hon. Helena Nez Begay	LeChee	Electric Connections	1
Hon. Helena Nez Begay	Tonalea/Red Lake	Electric Connections	12
Hon. Herman Daniels Jr.	Inscription Hse (Ts'ah Bii Kin)	Electric Connections	3
Hon. Herman Daniels Jr.	Navajo Mountain	Electric Connections	4
Hon. Herman Daniels Jr.	Oljato	Electric Connections	5
Hon. Herman Daniels Jr.	Shonto	Electric Connections	23
Hon. Lomardo Aseret	Houck	Electric Connections	2
Hon. Lomardo Aseret	Klagetoh	Electric Connections	1
Hon. Lomardo Aseret	Lupton (Tse Si Ani)	Electric Connections	2
Hon. Lomardo Aseret	Nahata Dziil	Electric Connections	3
Hon. Lomardo Aseret	Wide Ruins	Electric Connections	5
Hon. Nathan Notah	Coyote Canyon	Electric Connections	4
Hon. Nathan Notah	Mexican Springs	Electric Connections	1
Hon. Nathan Notah	Naschitti	Electric Connections	4
Hon. Nathan Notah	Tohatchi	Electric Connections	2
Hon. Nathan Notah	Twin Lakes (Bahast' ah')	Electric Connections	9
Hon. Otto Tso	Tuba City (To' Nanees' Dizi')	Electric Connections	5
Hon. Rickie Nez	Burnham (T'iis Toh Sikaad)	Electric Connections	1
Hon. Rickie Nez	Hogback (Tse'Daa Kaan)	Electric Connections	2
Hon. Rickie Nez	Upper Fruitland	Electric Connections	2
Hon. Shaandiin Parrish	Dennehotso	Electric Connections	5
Hon. Shaandiin Parrish	Kayenta	Electric Connections	8
Hon. Shawna Ann Claw	Chinle	Electric Connections	21
Hon. Vince R. James	Cornfields	Electric Connections	3
Hon. Vince R. James	Ganado	Electric Connections	6
Hon. Vince R. James	Jeddito	Electric Connections	2
Hon. Vince R. James	Kinlichee (Kin Dah Lichii)	Electric Connections	4
Hon. Vince R. James	Steamboat	Electric Connections	3
		TOTAL	319

The table above shows completed projects only.

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

2.18 Housing Support: Other Housing Assistance

Delegate Region	Chapter	Utility Provider	Project Description	Total Customers
Otto Tso	Tuba City	APS	Electric Connections	3
Seth Damon	Breadsprings	CDEC	Electric Connections	2
Seth Damon	Chichiltah	CDEC	Electric Connections	5
Seth Damon	Manuelito	CDEC	Electric Connections	9
Seth Damon	Red Rock	CDEC	Electric Connections	3
Seth Damon	Rock Springs	CDEC	Electric Connections	5
Seth Damon	Tsayatoh	CDEC	Electric Connections	6
Steven R. Arviso	Churchrock	CDEC	Electric Connections	6
Steven R. Arviso	Iyanbito	CDEC	Electric Connections	1
Steven R. Arviso	Mariano Lake	CDEC	Electric Connections	3
Steven R. Arviso	Pinedale	CDEC	Electric Connections	2
Steven R. Arviso	Smithlake	CDEC	Electric Connections	2
Steven R. Arviso	Thoreau	CDEC	Electric Connections	2
Norman M. Begay	Ramah	CDEC	Electric Connections	5
George H. Tolth	Baca/Prewitt	CDEC	Electric Connections	2
George H. Tolth	Whitehorse	CDEC	Electric Connections	1
George H. Tolth	Counselor	JEMEZ	Electric Connections	6
George H. Tolth	Ojo Encino	JEMEZ	Electric Connections	3
George H. Tolth	Pueblo Pintado	JEMEZ	Electric Connections	4
George H. Tolth	Torreon/Star Lake	JEMEZ	Electric Connections	7
Danny Simpson	Becenti	CDEC	Electric Connections	1
Danny Simpson	Crownpoint	CDEC	Electric Connections	1
Danny Simpson	Huerfano	JEMEZ	Electric Connections	2
Danny Simpson	Lake Valley	JEMEZ	Electric Connections	2
Danny Simpson	Nageezi	JEMEZ	Electric Connections	9
			Total	92

The table above shows completed projects only.

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

2.18 Housing Support: Other Housing Assistance

Delegate Region	Chapter	Project Description	Total Projects Solar Connections
Hon. Amber K. Crotty	Red Valley	Solar System	1
Hon. Andy Nez	Sawmill	Solar System	1
Hon. Brenda Jesus	Oak Springs	Solar System	1
Hon. Brenda Jesus	St. Michaels	Solar System	3
Hon. Carl Slater	Round Rock	Solar System	1
Hon. Carl Slater	Tsaile	Solar System	1
Hon. Casey Allen Johnson	Cameron	Solar System	3
Hon. Crystalyne Curley	Nazlini	Solar System	1
Hon. Danny Simpson	Nageezi	Solar System	1
Hon. George H. Tolth	Baca	Solar System	1
Hon. George H. Tolth	Counselor	Solar System	1
Hon. George H. Tolth	Ojo Encino	Solar System	1
Hon. George H. Tolth	Pueblo Pintado	Solar System	1
Hon. Helena Nez Begay	Bodaway Gap	Solar System	1
Hon. Helena Nez Begay	Tonalea	Solar System	2
Hon. Herman M. Daniels	Inscription House	Solar System	1
Hon. Herman M. Daniels	Oljato	Solar System	4
Hon. Herman M. Daniels	Shonto	Solar System	6
Hon. Lomardo Aseret	Houck	Solar System	1
Hon. Nathan Notah	Mexican Springs	Solar System	1
Hon. Nathan Notah	Naschitti	Solar System	1
Hon. Nathan Notah	Twin Lakes	Solar System	3
Hon. Norman M. Begay	Ramah	Solar System	1
Hon. Otto Tso	Tuba City	Solar System	3
Hon. Seth Damon	Chichiltah	Solar System	1
Hon. Seth Damon	Red Rock	Solar System	3
Hon. Seth Damon	Rock Springs	Solar System	3
Hon. Seth Damon	Tseyatoh	Solar System	1
Hon. Shaandiin Parrish	Chilchinbeto	Solar System	3
Hon. Shaandiin Parrish	Dennehotso	Solar System	2
Hon. Shaandiin Parrish	Kayenta	Solar System	8
Hon. Shawna Ann Claw	Chinle	Solar System	5
Hon. Steven R. Arviso	Pinedale	Solar System	2
Hon. Vince R. James	Ganado	Solar System	1

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

2.18 Housing Support: Other Housing Assistance

Delegate Region	Chapter	Project Description	Total Projects Solar Connections
Hon. Vince R. James	Kinlichee	Solar System	2
Hon. Vince R. James	Steamboat	Solar System	2
		Total	74

The table above shows completed projects only.

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

5.2 Clean Water: Centralized Wastewater Collection and Conveyance

Delegate/Region	Chapter	Project Description	Total Projects
Hon. Crystalyne Curley	Many Farms	Many Farms Lift Station Rahab	1
Hon. Helena Nez Begay	Lechee	Lechee Lift Station Rahab	1
Hon. Herman Daniels Jr.	Shonto	Shonto Lift Station Rahab	1
Hon. Nathan Notah	Coyote Canyon	Coyote Canyon Lift Station Rahab	1
Hon. Andy Nez	Sawmill	Sawmill Lift Station Rahab	1
Hon. Andy Nez	Navajo	Red Lake Lift Station Rahab	1
Hon. Shawna Ann Claw	Chinle	Chinle Lift Station Rahab	1
Hon. Casey Allen Johnson	Coalmine Canyon	Coalmine Canyon Mesa Lift Station Rahab	1
Hon. Steven Arviso	Iyanbito	Iyanbito Lift Station Rahab	1
		Total	9

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

5.11 Drinking Water: Transmission and Distribution

			Project Total Projects
Delegate/Region	Chapter	Project Description	
Hon. Crystalyne Curley	Low Mountain	Smoke signal - Bore	1
Hon. Cherilyn Yazzie	Teesto	Seba Dalkai - Bore	1
Hon. Rickie Nez	Upper Fruitland	Upper Fruitland - Bore	1
Hon. Lomardo Aseret	Sanders (Nahatahdzil)	Park Estates Phase IV	1
Hon. Curtiy Yanito	Teec Nos Pos	Teecnospos - PRV Replacements	1
Hon. Curtiy Yanito	Aneth	Aneth- PRV Replacements	1
Hon. Curtiy Yanito	Red Mesa	Red Mesa - Bore	1
Hon. Brenda Jesus	St. Michael	St. Michael - Bore	1
Hon. Germaine Simonson	Hardrock	Hardrock - Four (4) PRV Replacements	4
Hon. Germaine Simonson	Black Mesa	Kitsillie - Bore	1
			13
Hon. Amber Kanazbah Crotty	Sheepsprings	NGWP PP#4, 0.21 MILES 3PHASE LINE	1
Hon. Nathan Notah	Coyote Canyon	NGWP PP#7, NEW 3-PHASE LINE	1
Hon. Rickie Nez	Tse Daa K'aan (Hogback)	SR EAST HOGBACK TO PUMPING STATION, 3-PH ENERGIZED WORK	1
			3

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

5.14 Drinking Water: Storage

Delegate/Region	Chapter	Project Description	Project Total Projects
Hon. Helena Nez Begay	Gap/Bodaway	Cedar Ridge Storage Tank Renovation #2	1
Hon. Shaandiin Parrish	Dennehotso	Dennehotso Storage Tank Renovations #3	1
Hon. George Tolth	Casamero Lake	Casamero Lake Storage Tank Renovation	1
Hon. Steven Arviso	Smith Lake	Smith Lake Storage Tank Renovation	1
		TOTAL	4

The table above shows completed projects only.

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

5.19 Broadband: Last Mile

Delegate Region	Chapter	Project Description	Total Projects
Hon. Cherilyn Yazzie	Indian Wells	Na Ah Tee Mesa - WISP Overlay (Fixed Wireless Broadband (CBRS/3.5GHz &	1
Hon. Shaandiin Parrish	Kayenta	Marsh Pass - WISP Overlay on TBC Sites	1
Hon. Herman. M. Daniels	Navajo Mountain	Navajo Mountain - WISP Overlay on TBC Sites	1
Hon. Carl. R. Slater	Rough Rock	Rough Rock - WISP Overlay	1
Hon. Shaandiin Parrish	Monument Valley	Monument Valley Campground - WISP Overlay	1
Hon. Herman. M. Daniels	Oljato	Oljato - Cob (SBI)(EBS/2.5GHz & 600MHZ)	1
Hon. Lomardo Aseret	Sanders	Sanders - WISP Overlay (Fixed Wireless Broadband (CBRS/3.5GHz & 600MHZ)	1
Hon. Helena Nez Begay	Tonalea	Preston Mesa - WISP Overlay (Fixed Wireless Broadband (CBRS/3.5GHz &	1
Hon. Otto Tso	Tuba City	Tuba City North Water Tank - WISP Overlay (Fixed Wireless Broadband	1
Hon. Otto Tso	Tuba City	Tuba City East Water Tank- WISP Overlay (Fixed Wireless Broadband	1
Hon. Curtis Yanito	Aneth	Aneth - WISP Overlay on TCB Sites	1
Hon. Vince James	Cornfields	Cornfields - WISP Overlay	1
Hon. Casey Allen Johnson	Cameron	Gray Mountain - WISP Overlay	1
Hon. Vince James	Seamboat	Steamboat East - WISP Overlay	1
Hon. Crystalyne Curley	Low Mountain	Jeedeez'ah - WISP Overlay	1
Hon. Casey Allen Johnson	Tolani Lake	Tolani Lake - WISP Overlay	1
Hon. Germaine Simonson	Hard Rock	Hard Rock - WISP Overlay	1
Hon. Vince James	Steamboat	Steamboat West- WISP Overlay	1
Hon. Danny Simpson	Crownpoint	Crownpoint - WISP Overlay	1
Hon. Cherilyn Yazzie	Teesto	Teesto WISP - Overlay	1
Navajo Nation	Navajo Nation	Prorated OPEX for new WISP Buildouts/Overlays (Listed Above)	LOT
		TOTAL	20

Project Description	Chapter	Delegate Region	Total Projects
Hon. Cheryl Yazzie	Dilcon	Dilkon NTUA D.O. Wi-Fi Student Hotspots	1
Hon. Crystalyne Curley	Many Farms	Many Farms Elementary School Wi-Fi Student Hotspots	1
Hon. Helena Nez Begay	Lechee	Lechee Chapter House Wi-Fi Student Hotspots	1
Hon. Helena Nez Begay	Tonalea/Red Lake	Tonalea Chapter House Wi-Fi Student Hotspots	1
Hon. Helena Nez Begay	Coppermine	Coppermine Chapter Hous Wi-Fi Student Hotspotse	1
Hon. Helena Nez Begay	Kaibeto	Kaibeto Chapter House Wi-Fi Student Hotspots	1
Hon. Helena Nez Begay	Bodaway Gap	Bodaway Gap Wi-Fi Student Hotspots	1
Hon. Shaandiin Parrish	Kayenta	Kayenta High School Wi-Fi Student Hotspots	1
Hon. Shaandiin Parrish	Kayenta	Kayenta Elementary School Wi-Fi Student Hotspots	1
Hon. Shaandiin Parrish	Dennehotso	Dennehotso Market Wi-Fi Student Hotspots	1
Hon. Eugenia Charles-Newton	Shiprock	Shiprock Fairgrounds Wi-Fi Student Hotspots	1
Hon. Amber Kanazbah Crotty	Sheep Springs	Sheep Springs Chapter House Wi-Fi Student Hotspots	1
Hon. Amber Kanazbah Crotty	Red Valley	Red Valley Chapter House Wi-Fi Student Hotspots	1
Hon. Danny Simpson	Crownpoint	Navajo Technical University Wi-Fi Student Hotspots	1
Hon. Nathan Notah	Tohatchi	Tohatchi Chapter House Wi-Fi Student Hotspots	1
Hon. Vince James	Ganado	Ganado Middle School Wi-Fi Student Hotspots	1
Hon. Vince James	Ganado	Ganado High School Wi-Fi Student Hotspots	1
Hon. Vince James	Kindalichii	Kin Dah Lichii Wi-Fi Student Hotspots	1
Hon. Crystalyne Curley	Low Mountain	Low Mountain Chapter House Wi-Fi Student Hotspots	1
Hon. Crystalyne Curley	Tachee/Blue Gap	Blue Gap Chapter House Wi-Fi Student Hotspots	1
Hon. Carl Slater	Tsaile/Wheatfields	Tsaile Elementary School Wi-Fi Student Hotspots	1
Hon. Carl Slater	Rock Point	Rock Point Community School Wi-Fi Student Hotspots	1
Hon. Carl Slater	Tsaile/Wheatfields	Dine' College Wi-Fi Student Hotspots	1
Hon. Lomardo Aseret	Houck	Houck Chapter House Wi-Fi Student Hotspots	1
Hon. Andy Nez	Red Lake	DEAP School Wi-Fi Student Hotspots	1
Hon. Andy Nez	Ft. Defiance	Ft. Defiance NTUA HQ Wi-Fi Student Hotspots	1
Hon. Curtis Yanito	Mexican Water	Mexican Water Chapter House Wi-Fi Student Hotspots	1
Hon. Curtis Yanito	Aneth	Aneth Chapter House Wi-Fi Student Hotspots	1
Hon. Shawna Ann Claw	Chinle	Chinle NTUA D.O. Wi-Fi Student Hotspots	1
Hon. Otto Tso	Tuba City	Tuba City Fairgrounds Wi-Fi Student Hotspots	1
Hon. Otto Tso	Tuba City	Tuba City Pavilion Wi-Fi Student Hotspots	1
Hon. Casey Allen Johnson	Cameron	Cameron Elementary School Wi-Fi Student Hotspots	1
Hon. Casey Allen Johnson	Birdsprings	Birdsprings Chapter House Wi-Fi Student Hotspots	1
Hon. Casey Allen Johnson	Coalmine Canyon	Coalmine Canyon Chapter House Wi-Fi Student Hotspots	1
Hon. Casey Allen Johnson	Birdsprings	Little Singer Community School Wi-Fi Student Hotspots	1
Hon. Casey Allen Johnson	Leupp	Leupp Chapter House Wi-Fi Student Hotspots	1
Hon. Brenda Jesus	St. Michaels	Window Rock Fairgrounds Wi-Fi Student Hotspots	1
Hon. Brenda Jesus	Oak Springs	Oak Springs Wi-Fi Student Hotspots	1
Hon. Germaine Simonson	Pinon	Pinon Chapter House Wi-Fi Student Hotspots	1
Hon. Germaine Simonson	Forest Lake	Forest Lake Chapter House Wi-Fi Student Hotspots	1
Hon. Germaine Simonson	Hard Rock	Hard Rock Chapter House Wi-Fi Student Hotspots	1
		Total	41
		GRAND TOTAL	61

Legislation CJY-41-21 Section 6 & OPVP Guidance for CJY-41-21

5.20 Broadband: Other Projects

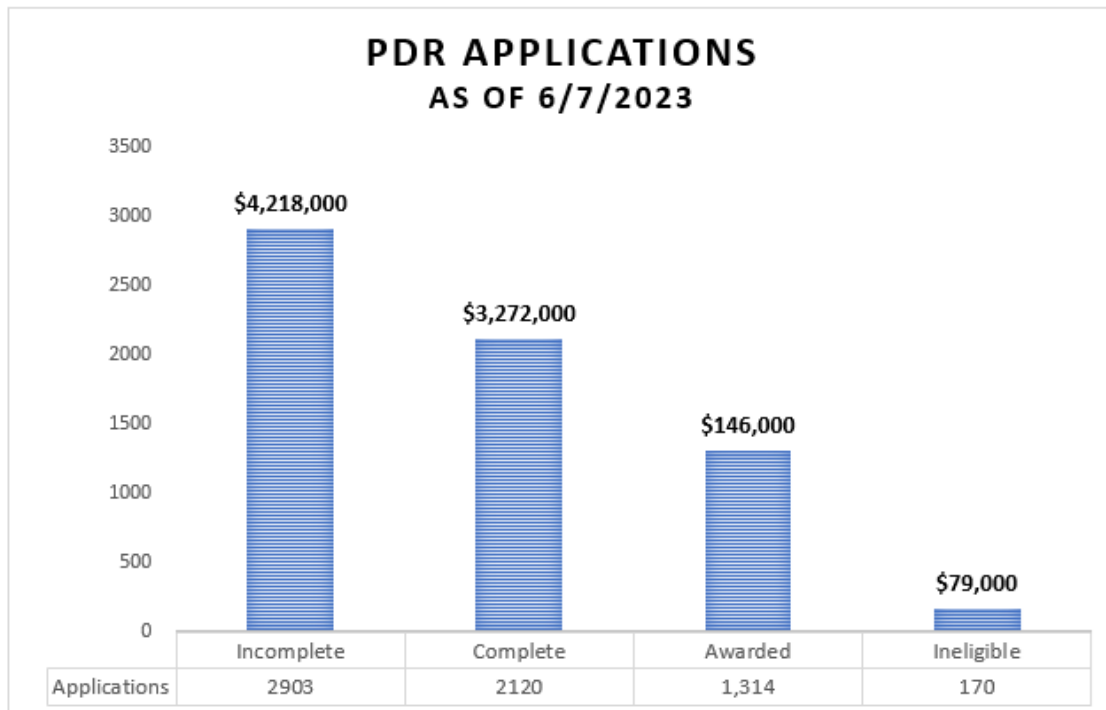
Delegate Region	Chapter	Project Description	Total Projects
Hon. Crystalyne Curley	Low Mountain	Low Mountain South - New Communications Tower	1
Hon. Crystalyne Curley	Low Mountain	Jeedeez'ah - New Communications Tower*	1
Hon. Helena Nez Begay	Lechee	Internet Distribution - Fiber Build Lechee Meet Point to Lechee Tower	1
Hon. Herman Daniels Jr./Hon. Shaandiin Parrish	Kayenta/Shonto/Tsah Bii Kin	Fiber Build to Black Mesa NTUA Tower and Zelnez Mesa NTUA Tower	1
		TOTAL	4
		Other Projects	
Hon Crystalyne Curley	Nazlini	NAZLINI COMM. SCHOOL MAKE-READY	1
Hon. Shaandiin Parrish	Kayenta	KAYENTA NORTH FIBER MAKE-READY SEGMENT 2	1
Hon. Shaandiin Parrish	Kayenta	KY TOWNSITE SUB TO JUNCT. 3PH UPG	1
Hon. Amber Kanazbah Crotty	Gadii'ahi/To'Koi (Cudeii)	CUDEI TO TEECNOSPOAS MAKE-READY SEG. 2	1
Hon. Herman Daniels	Shonto	SHONTO TO NAATSISAAN SCHOOL MAKE-READY SEGMENT 1, 2, AND 3	1
Hon. Carl Slater	Rough Rock	ROUGH ROCK COMM. SCHOOL MAKE-READY SEG2	1
		TOTAL	6

* This tower will be replaced because NTUA was able to secure other funding for this tower build. As a result, another tower will replace it providing services to an unserved community.

NTUA PAST DUE CUSTOMER RELIEF PROGRAM

The Navajo Nation approved funding for financial assistance to Navajo families struggling with past due utility bills, and NTUA established a partnership with the Navajo Housing Authority to allow their customers to apply for a one-time offer of assistance, requiring them to submit their own applications.

- On September 30, 2022, the Navajo Nation approved funding to provide financial assistance for Navajo families struggling with past due utility bills.
- NTUA partnered with the Navajo Housing Authority (NHA) to provide financial assistance to NTUA customers with past due utility bills.
- NTUA has been hosting outreach events at multiple locations from November 14, 2022, to April 28, 2023. Since November 2022, social media, radio, and direct mail campaigns have been running.

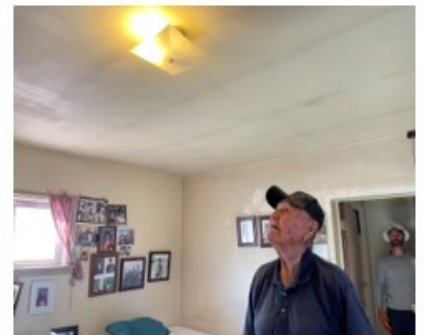


- Approximately \$9.8 million worth of applications have been submitted by over 6,500 people
- The NHA receives approximately 200 applications weekly valued between \$200k-\$300k.
- There are approximately 2,900 incompletes valued at approximately \$4.2 million
- A total of \$2.3 million has been awarded from approved applications by NHA.
- NTUA strongly encourages residential customers with past due bills to attend the outreach events or visit a NTUA District Office.
- Customers must bring required documentation, including their NTUA Account verification, driver's license or state-issued ID, certificate of Indian blood, and income verification.

NTUA is committed to working with past-due customers to help manage their accounts, including setting up reasonable payment arrangements. Information about the program is available on the NTUA website (www.ntua.com), and customers are encouraged to contact NTUA if they have past due accounts

APPLICATION PROCESS UNDERWAY FOR LIGHT UP NAVAJO V

While LUN IV is underway, NTUA encourages residents to submit an application so that the paperwork process may begin



LightUp Navajo IV program started April 2, 2023, NTUA has been hosting visiting utility companies to work with NTUA electric crews to extend electricity to as many homes as possible. Consequently, NTUA initiated the application process for Light Up Navajo V to be held in 2024.

History: Light Up Navajo is a humanitarian mutual aid project. In other parts of the U.S., when an area gets hit with a natural disaster and power goes out, utility companies send electric crews to that region to help restore power. Using the same concept, utility companies are sending crews to the Navajo Nation to help connect homes to the electric grid for the very first time. Light Up Navajo has become known as Mutual Aid without a Storm.

How to apply: If a homeowner is interested – please have them stop by any NTUA District Office and ask about the electric connection program called Light Up Navajo. The homeowner must be the individual who applies. NTUA Customer Care agents will meet with residents to explain how the program works, including what is required.

- All projects must have a home-site lease, per requirement of the Navajo Nation Land Department. If the resident does not have one, NTUA will explain how to apply for one.
- Some projects may not qualify due to distance from the nearest powerline. That determination will be made after the initial site visit.
- Homeowners can login to the Light Up Navajo page on the NTUA website www.ntua.com. They will submit their inquiry and NTUA will follow-up.

Information to Share with Chapters and Chapter Residents Seeking New Utility Service or Utility Payment Assistance

- **Chapter Powerline Projects:** If your Chapter is interested in seeking funding from the ARPA for a chapter powerline project, please refer to NTUA's website under "ARPA Projects" to see if the Chapter's powerline project is already on NTUA's ARPA list. If the proposed projects are not on the list or if your chapter needs further assistance, please contact Shannon Burnette at shannonb@ntua.com.

- **Seeking Residential Electric Connection:**

If community members need residential electric service and believe they are within two miles of an NTUA Electric distribution line, please encourage community members to visit their local NTUA District Office and apply for the Light Up Navajo (LUN) project.

Please understand it is not guaranteed that the applicant will qualify or receive electric connection through LUN project. There is more information on the next page.



- **Seeking Off-Grid Residential Solar:** If community members need residential electric service and cannot be connected to a powerline, they may qualify for an off grid solar unit. Please encourage community members to visit a local NTUA District Office to submit an application for an offgrid solar unit. The off grid solar program is available in all 110 chapters.
- **Seeking Residential Waterline Extensions:** If Community members need water service to their homes and they believe they are within ½ mile from an NTUA water line, please encourage members to visit their local NTUA District Office and apply for the ARPA Water Service Project. Please understand it is not guaranteed that the applicant will qualify or receive water service.
- **Seeking Broadband Service:** If a Chapter is seeking additional or expanded Broadband service for their communities, please contact Monroe Keedo at monroek@ntua.com. Mr. Keedo will provide information on existing and proposed new service locations including new towers and fiberoptic buildouts.
- **Seeking Residential Broadband Service:** Community members and small businesses seeking broadband services can contact Choice NTUA Wireless for information on new residential and small business services. Choice NTUA Wireless also offers Wi-Fi hotspots free of charge in key locations to assist with combatting the pandemic. Lastly, community members currently enrolled in the Choice Lifeline or Choice Tribal Lifeline plan may also qualify for the Affordable Connectivity Program (ACP). For further information, please call 928-730-2273.