

August 16, 2024

Re: CNPPID Power Sales Contract Beginning in 2025

The Central Nebraska Public Power and Irrigation District's (Central) current contract for sale of power from its Jeffrey (20 MW) hydro plant expires on December 31, 2024. Central is interested in negotiating a power purchase agreement for this power plant beginning on January 1, 2025.

Attached please find a brief description of this facility along with some historical data on generation for your review. This facility has been certified by the Low Impact Hydro Institute.

We would like to know if you are interested in entering into discussions for the purchase of the power resources from this facility. If you are interested, please sign and return the enclosed Non-Disclosure Agreement and provide Notice of Intent to Bid by September 16, 2024. My contact information is listed below:

Mr. Devin Brundage  
PO Box 740  
Holdrege, NE 68949  
(308) 995 – 8601  
[dbrundage@cnppid.com](mailto:dbrundage@cnppid.com)

I look forward to hearing from you.

Sincerely,



Devin Brundage  
General Manager

Enclosures

# Jeffrey Hydro Plant

## Facilities

Central owns and operates multiple hydroelectric power plants which are located on Central's Supply Canal. The Supply Canal diverts water just below the confluence of the North Platte and South Platte rivers, near North Platte, Nebraska. The Jeffrey hydro plant is located 23 miles from the North Platte Diversion Dam.



## Modernization

Jeffrey hydro plant began generating in 1941 with the most recent major rehabilitation work completed between 2001 and 2004. The following is a list of the major equipment which was replaced or rehabilitated during that time:

- New turbine runners and wicket gates
- Generators rewind
- Static Excitation
- PLC controlled governors (2023)
- Low-side Switchgear
- 6.9/115kV transformers
- All 115kV SF6 transmission line breakers (fully replaced by 2019)

## Operating Limitations

Central's project, FERC License No. NE-1417, has operating limitations related to endangered species protection on the Platte River that impact some of the generation facilities.

Central's current FERC license continues through 2038.

When Central is in a water conservation mode, minimal releases are made from Lake McConaughy due to drought conditions outside of the irrigation season.

The Irrigation Season time period from June 1 through September 1 typically results in higher daily generation totals to meet irrigation water demands.

## Description of Facility

The Jeffrey hydro plant is located approximately five miles south of Brady, Nebraska, at the outlet of Jeffrey Reservoir. This hydro plant consists of two 12MVA generators, a 25MVA, 6.9/115kV step-up transformer, and a 12MVA, 6.9/34.5kV step-up transformer connected to the Dawson Public Power District distribution system. There are three 115kV transmission lines connected to the Jeffrey substation which are owned by the Nebraska Public Power District (NPPD). The 12MVA, 6.9/34.5kV step-up transformer has been approved for replacement and upgrade to 25MVA at 69kV.







### **Renewable Energy Credits**

All of these facilities have been certified by the Low Impact Hydro Institute. The purchaser will have the option to purchase renewable attributes as part of the power sales contract.

### **Operations**

Jeffrey hydro plant is remotely operated by the Gothenburg Control Center (GCC). The GCC is continuously manned to monitor and operate the Jeffrey and Johnson plants along with the Kingsley Hydro and the irrigation canals. Central's internal maintenance crew works with Central's staff of engineers to maintain and improve the facilities. Diesel backup generators capable of providing full station service load were installed in 2020 at each plant.

Central normally conducts maintenance outages annually for approximately two days per unit unless specific, planned maintenance/rehabilitation projects need to be done.

### **Historical Generation**

Attached is an excel spreadsheet file with monthly generation from 2004 through 2023.

JEFFREY HYDRO NET GENERATION  
Values in 1000 kWh

8/15/2024

Year	Jan	Feb	Mar	April	May	June	July	Aug
2004	2,773	2,990	3,195	2,903	5,959	6,491	10,271	10,146
2005	2,770	2,482	2,696	3,104	3,110	8,557	12,243	8,823
2006	3,013	2,444	3,204	2,923	3,201	7,693	12,301	7,613
2007	2,444	3,302	4,401	4,475	4,845	7,916	12,389	7,981
2008	3,234	3,130	3,166	3,617	3,587	3,301	11,643	8,628
2009	3,251	3,190	2,859	6,924	4,404	9,183	12,125	9,752
2010	7,285	5,270	8,644	6,452	11,766	12,129	12,465	12,454
2011	9,123	9,071	12,344	12,186	12,593	12,135	12,524	12,453
2012	10,632	11,653	10,265	9,894	7,194	10,309	12,818	11,351
2013	4,547	4,539	4,395	10,286	5,358	6,701	12,584	8,890
2014	6,459	6,161	6,694	8,533	5,920	12,573	12,083	11,516
2015	8,883	9,440	9,889	11,329	12,680	12,529	12,932	12,869
2016	11,877	11,726	12,093	11,943	12,897	12,403	12,834	12,795
2017	10,023	10,741	12,932	9,484	11,972	12,572	12,852	12,567
2018	8,900	7,783	9,268	11,746	10,340	10,786	11,646	10,752
2019	6,440	5,136	9,893	11,589	11,738	12,586	12,790	12,846
2020	10,459	11,880	12,804	12,558	12,872	12,337	12,825	12,704
2021	5,138	5,947	6,358	6,139	8,134	12,055	11,797	11,818
2022	4,140	3,721	5,464	5,612	6,981	12,736	12,332	12,341
2023	3,637	3,829	4,576	4,314	8,112	12,672	12,800	12,321
2024	5607	7504	8270	6,717	6935	12415	10,710	

Sept	Oct	Nov	Dec	TOTAL
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2,434	2,485	2,402	2,575	54,623
2,161	2,673	2,578	2,815	54,012
2,349	2,477	2,302	2,517	52,037
2,285	2,774	2,586	2,855	58,253
3,074	3,929	3,003	2,566	52,878
4,615	6,584	7,749	5,416	76,052
12,145	12,429	12,025	11,106	124,170
12,260	12,187	11,890	11,495	140,261
5,260	2,374	2,619	4,296	98,665
6,949	10,226	4,564	4,926	83,965
4,540	4,100	6,714	10,859	96,152
12,276	12,215	12,265	11,717	139,024
11,756	10,741	12,587	10,236	143,888
7,133	3,984	5,203	5,381	114,844
7,267	7,795	9,472	8,799	114,554
12,467	12,428	12,474	12,132	132,518
6,892	4,754	4,679	4,654	119,419
4,420	3,829	4,795	4,709	85,140
4,019	2,275	2,265	2,238	74,124
7,012	2,927	4,655	4,433	81,289
				58,158





# Bid Proposal Guidelines

## Jeffrey Hydro Plant Power Purchase Agreement

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### **Introduction**

The Central Nebraska Public Power and Irrigation District (Central) is interested in receiving proposals for the purchase of power elements from the Jeffrey hydro plant. The proposal, if deemed acceptable by Central, will be used as the basis for development of a long-term power purchase contract beginning on January 1, 2025.

Respondents wishing to provide a proposal to this RFP should provide a NOI email by submitting the following information prior to the NOI deadline contained within this RFP.

### **Notice of Intent**

- ✓ Email Subject: CNPPID PPA RFP - Intent to Respond
- ✓ Acknowledgement of the due date and time of September 16, 2024 at 5:00 p.m. CDT
- ✓ Key contact with your company responsible for preparing your response:
  - ✓ Company:
  - ✓ Name:
  - ✓ Title:
  - ✓ Address:
  - ✓ Telephone #:
  - ✓ Email:

### **RFP Schedule**

- RFP Issue Date - August 16, 2024
- Notice of Intent to Bid (NOI) Due – September 16, 2024
- Question and Answer Period opens August 16, 2024 and closes September 16, 2024 at 5:00 p.m. CDT
- Proposals Due – October 1, 2024 at 5:00 p.m. CDT
- Projected Completion of Negotiations - December 31, 2024

CNPPID reserves the right to revise the RFP and the RFP schedule at any time for any reason and/or not pursue any of the proposals. This proposal shall be valid for 60 days. Central may continue to negotiate with one or more bidders after that 60-day period.

## Central Preferences for Proposal

### 1.1 Term

Central is willing to consider any term, beginning on January 1, 2025.

### 1.2 Transmission

The power will be delivered to the purchaser at the 115kV bus at the hydro plant. The Bidder will incur all costs associated with delivery to the purchaser's intended point of delivery including but not limited to the cost of transmission and transmission losses.

### 1.3 Scheduling

Central will provide day ahead generation schedules and can provide estimates of scheduled generation for the following day. Central will develop generation schedules in coordination with the purchaser to maximize revenue, taking into account any on-peak/off-peak prices, the operating limits of the units, water availability and water delivery limitations.

## Assumptions for Proposal

### 2.1 Capacity

Proposals for 20 MW comprised of the Jeffrey plant would be considered.

### 2.2 Environmental Attributes

Environmental attributes will be available for all generation from this facility. This generation is certified by the Low Impact Hydropower Institute.

### 2.3 Energy

Proposals shall include provisions that require the successful bidder to take the scheduled energy as delivered by Central under the terms of an agreement and remain financially responsible for the scheduled energy if the bidder does not take the energy.

## Proposal

### 3.1 Pricing

Bidder shall complete the items in the table below or provide a similar proposal instrument that applies to their offer:

Year	Capacity (\$/Mw)	Energy (\$/Mwh)		Environmental Attributes (\$/Mwh)
		On-Peak	Off-Peak	
2025				
2026				
2027				



2028				
2029				
2030				
2031				
2032				
2033				
2034				

Optionally: Non-traditional proposals will be considered. Those wishing to provide a non-traditional proposal can provide a written summary of the terms of their proposal concept. Proposals from two or more entities working together on various aspects of the generation offering to produce a joint proposal will be considered.

3.2 Peak Hours if applicable

Summer on-peak hours: \_\_\_\_\_

Winter on-peak hours: \_\_\_\_\_

3.3 Other Considerations

Please attach any separate information or considerations that should be considered in our evaluation of proposals.

3.4 Signature

Proposing Organization \_\_\_\_\_

Name/Title of Contact: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

E-mail Address \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 (Authorized Signature for proposing organization)

Print or type name: \_\_\_\_\_

Title: \_\_\_\_\_

**NON-DISCLOSURE AGREEMENT**

This Agreement is made and entered into as of the \_\_\_\_\_ day of \_\_\_\_\_, 2024, by and between The Central Nebraska Public Power and Irrigation District (“District”) and \_\_\_\_\_ (“Respondent”).

Except as noted below, Confidential Information, as used in this Agreement, shall include any and all information, whether in oral, written, electronic or physical form, provided by the District to the Respondent in connection with the Respondent and the District discussing the terms and conditions of a possible power purchase agreement effective January 1, 2025, for the power generated by the District’s Jeffrey hydropower plant.

The Respondent agrees to accept, receive, and hold the Confidential Information in confidence and trust and to limit its use and disclosure as set forth in this Agreement. The Respondent shall treat and maintain said information as confidential and shall not for any purpose or in any manner use or disclose such information, in whole or in part, without the District’s prior written permission. The Respondent shall limit the possession and use of said information to individuals and entities performing work for the benefit of the Respondent on a need-to-know basis, such as subcontractors or others performing professional services for or on behalf of Respondent. The Respondent shall require that every employee, subcontractor, or others performing professional services for or on behalf of the Respondent provided with access to said information comply with the terms and conditions contained in this Agreement. Respondent agrees to give written notice of the terms of this Non-Disclosure Agreement to its employees, subcontractors, or others performing professional services for Respondent prior to disclosing to those persons or entities any Confidential Information contemplated by this Agreement.

Nothing in this Agreement shall apply to any information which 1) at the time of receipt was already rightfully possessed by the Respondent or was already in the public domain, 2) after being provided by the District, entered the public domain without any wrongful action of the Respondent, or is subsequently independently developed by the Respondent, 3) is obtained from any individual, firm or entity which the Respondent had reasonable belief had the right to disclose it, and 4) is required to be disclosed under an order of a court or governmental body.

In witness hereof, the parties have executed this Agreement through their duly authorized officers.

THE CENTRAL NEBRASKA PUBLIC  
POWER AND IRRIGATION DISTRICT

\_\_\_\_\_  
(Respondent)

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

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

Title: \_\_\_\_\_

Title: \_\_\_\_\_