

Docket Number: EL24-027
Subject Matter: First Data Request
Request to: Montana-Dakota Utilities Co. (MDU)
Request from: South Dakota Public Utilities Commission Staff
Date of Request: September 9, 2024
Responses Due: September 23, 2024

1-4. What is LDC's expected load factor? What is LDC's expected coincidence factor with respect to MDU's peak?

Response:

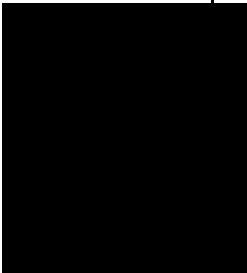
Montana-Dakota's expectation is that LDC's load factor will run a fairly high value, likely around ninety percent. LDC's coincident factor will also be likely around ninety percent.

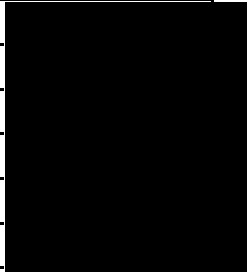
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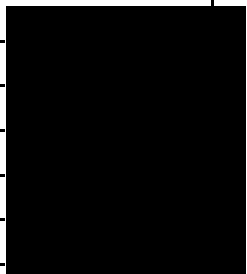
1-5. Provide a detailed description and breakdown of all costs of MDU extending service to LDC, including but not limited to substation costs, lines, transformers, etc.

Response:

LDC will fund all costs of related to Montana-Dakota’s extension of service. Below are the estimated project costs.

Leola Substation	
Category	Total Costs
Materials	
Engineering	
MDU Labor	
Contractor Cost	
Overheads & Taxes	
Total:	

LDC Transmission Line	
Category	Total Costs
Materials	
Engineering	
MDU Labor	
Contractor Cost	
Overheads & Taxes	
Total:	

LDC Transformers	
Category	Total Costs
Materials	
Engineering	
MDU Labor	
Contractor Cost	
Overheads & Taxes	
Total:	

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- 1-7. Explain in detail the adequacy of MDU's power supply to serve this new large load customer. Describe MDU's current capacity status and reserve margin and describe what effect the provision of service to this customer will have on the same. Provide MDU's existing average system capacity cost. Explain at what point MDU will have to add or purchase capacity to maintain an adequate reserve margin. Explain how such capacity would be acquired and what price might be expected for incremental capacity.

Response:

LDC will be consider an interruptible load (load modifying resource (LMR)) for the majority of their capacity requirements. Being a registered LMR with MISO, will be self-supplying the majority of their capacity requirements plus planning reserve margin. Any amount of additional capacity for LDC's designated firm load requirement will be separately purchased by Montana-Dakota from either the MISO Capacity Auction or a bi-lateral purchase, or sold from Montana-Dakota's excess capacity to meet LDC's remaining obligations.

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1-10. Describe in detail any other pertinent factors affecting MDU's ability to furnish adequate electric service for this customer.

Response:

Montana-Dakota has completed a study request, and received approval from a MISO, for the ability to service this load from the MISO transmission system. No additional upgrades to the MISO transmission system are needed with this service request.