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- Public Document – Not Public Data Has Been Excised
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Xcel Energy Information Request No. 1
Docket No.: E002/M-19-809
Response To: Fresh Energy
Requestor: Isabel Ricker
Date Received: March 10, 2020

Question:

Provide a live Excel file with formulas intact showing the carbon dioxide (CO₂) emissions results in tons modeled by the PLEXOS analysis described in the above filing, for each generating unit included in the model, for the following scenarios:

- A. Must Commit
- B. Year-Round Economic Commit
- C. Seasonal Economic Commitment

Response:

Please see Attachment A to this response for the requested data under base and high LMP models.

Attachment A to this response contains information the Company considers to be trade secret data as defined by Minn. Stat. § 13.37(1)(b). The information derives independent economic value from not being generally known or readily ascertainable by others who could obtain a financial advantage from its use. Thus, Xcel Energy considers this non-public data.

Preparer: Annie Dellva
Title: Generation Modeling Analyst
Department: Generation Modeling Services
Telephone: 303-294-2306
Date: March 20, 2020

Must commit year-round; base LMP

Parent Name	Child Name	Category	Description	01/01/2020	01/01/2021	01/01/2022	01/01/2023
CO2	Allen S King	NSP Coal	Generation Production (ton)	[PROTECTED DATA BEGINS]			
CO2	Angus Anson 2	NSP NG	Generation Production (ton)				
CO2	Angus Anson 3	NSP NG	Generation Production (ton)				
CO2	Angus Anson 4	NSP NG	Generation Production (ton)				
CO2	Bay Front 5	NSP RDF BIOMASS	Generation Production (ton)				
CO2	Bay Front 6	NSP RDF BIOMASS	Generation Production (ton)				
CO2	Black Dog 25	NSP CC	Generation Production (ton)				
CO2	Black Dog 6	NSP NG	Generation Production (ton)				
CO2	Blue Lake 1	NSP Oil	Generation Production (ton)				
CO2	Blue Lake 2	NSP Oil	Generation Production (ton)				
CO2	Blue Lake 3	NSP Oil	Generation Production (ton)				
CO2	Blue Lake 4	NSP Oil	Generation Production (ton)				
CO2	Blue Lake 7	NSP NG	Generation Production (ton)				
CO2	Blue Lake 8	NSP NG	Generation Production (ton)				
CO2	French Island 1	NSP RDF BIOMASS	Generation Production (ton)				
CO2	French Island 2	NSP RDF BIOMASS	Generation Production (ton)				
CO2	French Island 3	NSP Oil	Generation Production (ton)				
CO2	French Island 4	NSP Oil	Generation Production (ton)				
CO2	High Bridge 1x1	NSP CC	Generation Production (ton)				
CO2	High Bridge 2x1	NSP CC	Generation Production (ton)				
CO2	Inver Hills 1	NSP NG	Generation Production (ton)				
CO2	Inver Hills 2	NSP NG	Generation Production (ton)				
CO2	Inver Hills 3	NSP NG	Generation Production (ton)				
CO2	Inver Hills 4	NSP NG	Generation Production (ton)				
CO2	Inver Hills 5	NSP NG	Generation Production (ton)				
CO2	Inver Hills 6	NSP NG	Generation Production (ton)				
CO2	Red Wing 1	NSP RDF BIOMASS	Generation Production (ton)				
CO2	Red Wing 2	NSP RDF BIOMASS	Generation Production (ton)				
CO2	Riverside 1x1	NSP CC	Generation Production (ton)				
CO2	Riverside 2x1	NSP CC	Generation Production (ton)				
CO2	Sherburne 1	NSP Coal	Generation Production (ton)				
CO2	Sherburne 2	NSP Coal	Generation Production (ton)				
CO2	Sherburne 3	NSP Coal	Generation Production (ton)				
CO2	Wheaton 1	NSP NG	Generation Production (ton)				
CO2	Wheaton 2	NSP NG	Generation Production (ton)				
CO2	Wheaton 3	NSP NG	Generation Production (ton)				
CO2	Wheaton 4	NSP NG	Generation Production (ton)				
CO2	Wheaton 6	NSP Oil	Generation Production (ton)				
CO2	Willmarth 1	NSP RDF BIOMASS	Generation Production (ton)				
CO2	Willmarth 2	NSP RDF BIOMASS	Generation Production (ton)				
CO2		Energy Purchases	Generation Production (ton)				
Total			Generation Production (ton)				

PROTECTED DATA ENDS]

Economic commit year-round; base LMP

Parent Name	Child Name	Category	Description	01/01/2020	01/01/2021	01/01/2022	01/01/2023
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CO2	Allen S King	NSP Coal	Generation Production (ton)				
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CO2	Willmarth 1	NSP RDF BIOMASS	Generation Production (ton)				
CO2	Willmarth 2	NSP RDF BIOMASS	Generation Production (ton)				
CO2		Energy Purchases	Generation Production (ton)				
Total			Generation Production (ton)				
PROTECTED DATA ENDS]							

Seasonal economic commit; base LMP

Parent Name	Child Name	Category	Description	01/01/2020	01/01/2021	01/01/2022	01/01/2023
CO2	Allen S King	NSP Coal	Generation Production (ton)	[PROTECTED DATA BEGINS]			
CO2	Angus Anson 2	NSP NG	Generation Production (ton)				
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Total			Generation Production (ton)				

PROTECTED DATA ENDS]

Must commit year-round; high LMP

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PROTECTED DATA ENDS]

Economic commit year-round; high LMP

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Seasonal economic commit; high LMP

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