

General information		
<b>Application:</b> 30732-A001	<b>Registered:</b> 2026/04/03	<b>Status:</b> Registered
The applicant certifies that the information provided here and in all supporting documentation is correct and in accordance with all regulatory requirements or as directed by the Alberta Utilities Commission.		
Applicant information		
Primary applicant		
<b>Applicant name:</b>	Synapse Real Estate Corp	
<b>Primary contact:</b>	Jason Van Gaal	
<b>Email:</b>	jason@synapsedatacenter.com	
<b>Telephone:</b>	(613) 797-3311	
Representative		
<b>Representative name:</b>	Bennett Jones LLP	
<b>Primary contact:</b>	Jessica Kennedy	
<b>Email:</b>	kennedyj@bennettjones.com	
<b>Telephone:</b>		
Application information		
<b>Application description:</b>	Synapse Real Estate Corp, is seeking approval to construct and operate the Synapse Data Center, a 1.4GW (nominal capacity) natural gas-fired power plant with 1.8GW of emergency/backup diesel generators, with an attached 1GW Data Center.	
<b>Functional group:</b>	Electric facilities	
<b>Application category:</b>	Power generation	
<b>Application type:</b>	Power plant	
<b>Application type description:</b>	Applications for the construction, operation or alteration of power generation and associated facilities from any energy source including wind or solar.	
Contact information for the applicant representative to be included on the AUC notice:		
	<b>Name:</b>	Jason Van Gaal
	<b>Phone number:</b>	(613) 797-3311
	<b>Email address:</b>	jason@synapsedatacenter.com
<b>Applicant's reference number:</b>	30732	
Legislation		
<b>Legislation:</b>	<a href="#">HYDRO AND ELECTRIC ENERGY ACT (Ch.H-16, RSA 2000)</a>	
<b>Legislation section:</b>		
AUC rule		
<b>AUC rule:</b>	Rule 012 Noise Control	
<b>Rule section:</b>	<a href="https://www.auc.ab.ca/rules/rule012/">https://www.auc.ab.ca/rules/rule012/</a>	

Quadrant(s)	
Quadrant:	Central

Rule 007 power plant application							
1. Provide the names of all other companies having ownership in the project, details of their incorporation, and the share in the project that each would have.							
2. What is the energy source of the power plant?						Gas - thermal	
3. What type of generator will be used at the power plant?						Synchronous	
4. Total capability of power plant (MW):						1400	
4a) Nominal (name plate) capability of generating unit (MW):						50	
4b) Number of generating units:						20	
5. Expected power plant in-service date:						2027/02/01	
6. Provide the location of the proposed power plant site:							
For urban locations, provide the lot, block and plan number:							
Lot			Block			Plan	
For all locations, provide the legal description for each generating unit:							
Unit #	Legal subdivision	Section	Township	Range	Meridian	Latitude	Longitude
1	5	4	33	1	5		
2	6	4	33	1	5		
3	3	4	33	1	5		
4	4	4	33	1	5		
5	11	4	33	1	5		
6	12	4	33	1	5		
7	13	4	33	1	5		
8	14	4	33	1	5		
7. Is the energy produced to be used solely by the power plant owner?						Yes	
8. Will the power plant be connected to the Alberta Interconnected Electric System?						No	
8a) Voltage level of connection (kV):							
8b) Provide the name of the utility company to be connected to:							
8c) Do you have an agreement from the utility company for connection?							
8d) Is there an application for connection accompanying this power plant application?							
9. Will you attach a noise impact assessment, as per Rule 012: Noise Control?						Yes	
10. Will you attach a noise impact assessment summary form, as per Rule 012: Noise Control?						No	
If you answer no, please explain:						TP31	
11. Have you conducted a participant involvement program?						Yes	
If you answer no, please explain:							
12. Are there outstanding public or industry objections and/or concerns?						Yes	