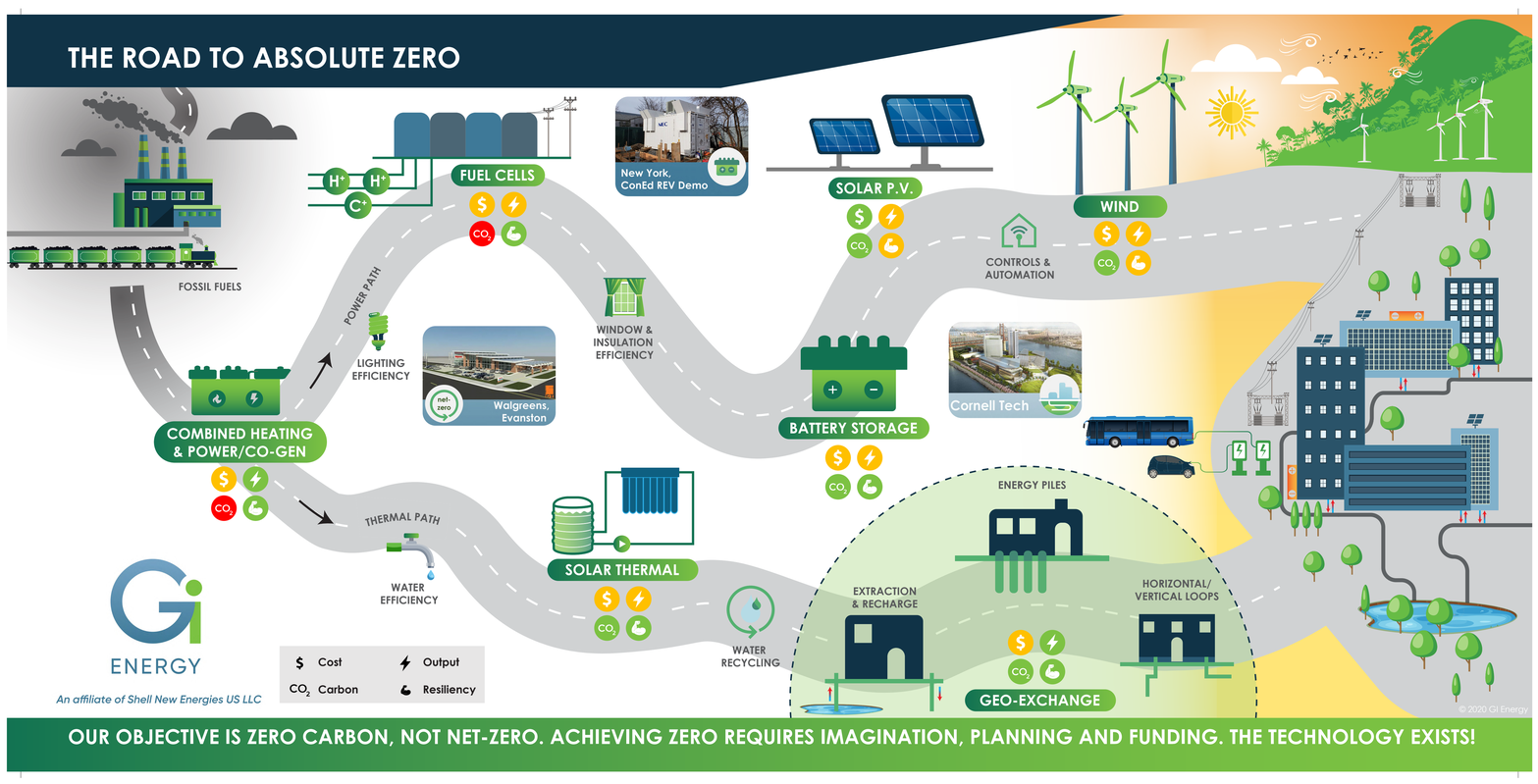
A Year in Renewable Energy - Megan Callanan

Mission: GI Energy delivers resilient, clean and cost-effective energy infrastructure solutions by harnessing the best available technologies.

Vision: By integrating our solutions into clients' operations, we are enabling the future of sustainable distributed energy.

Marketing and Commercial Development:

I created case studies and various other collateral to familiarise myself with past projects and gain a deeper understanding of the technologies the company worked with. I helped put together proposals for potential clients, focusing on consistency and professionalis. Other tasks within this department included:
- cold calling
- creating diagrams and icons
- production of "leave behinds"



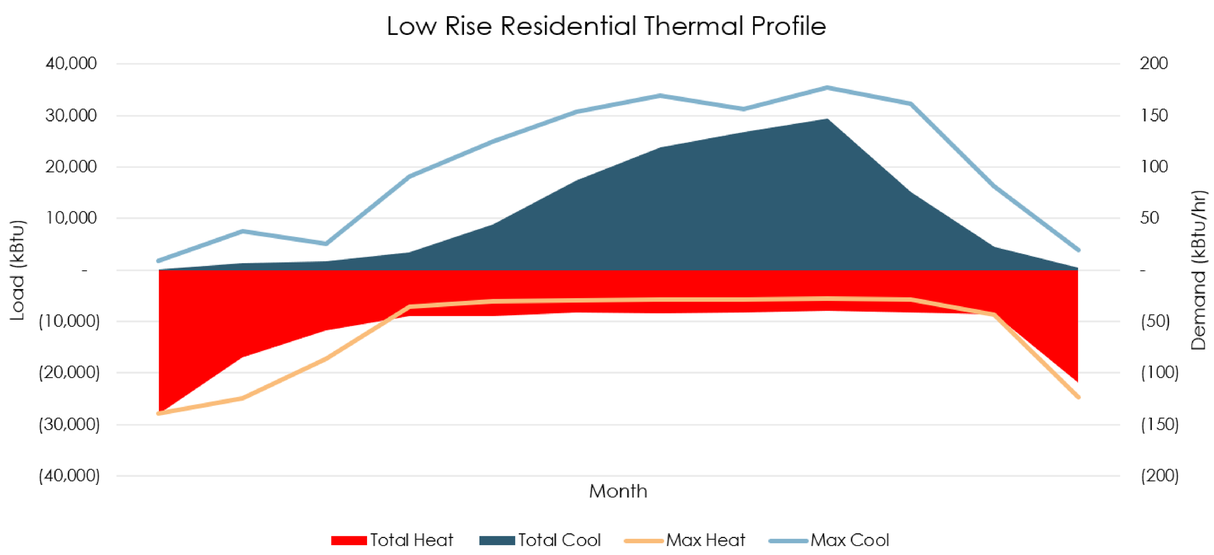
Conference Management

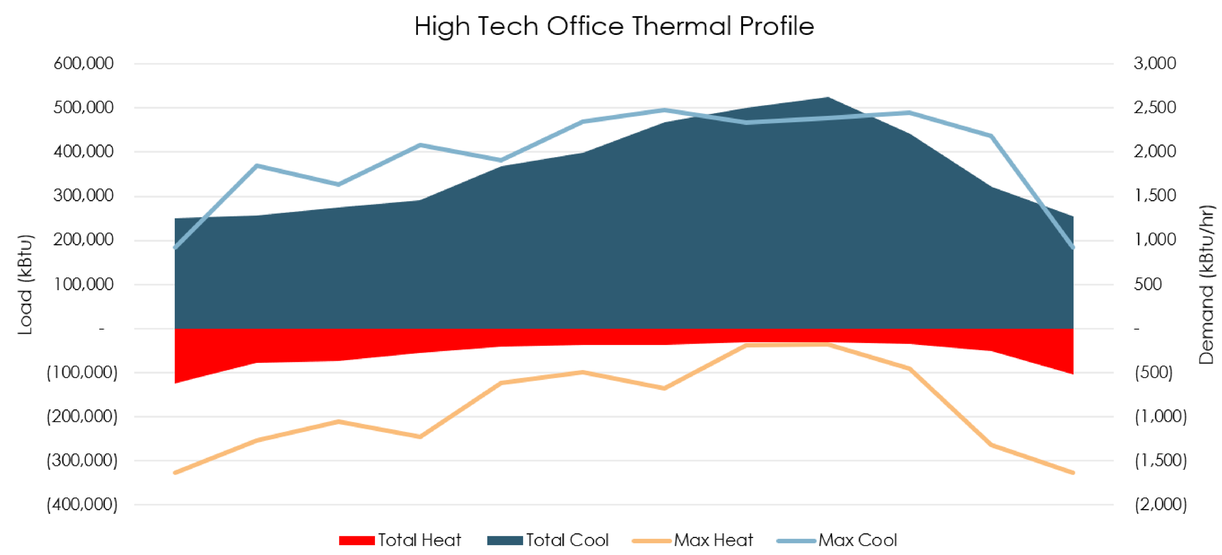
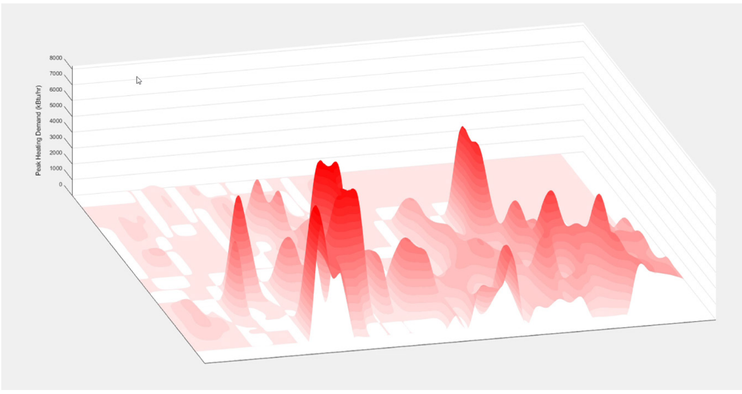
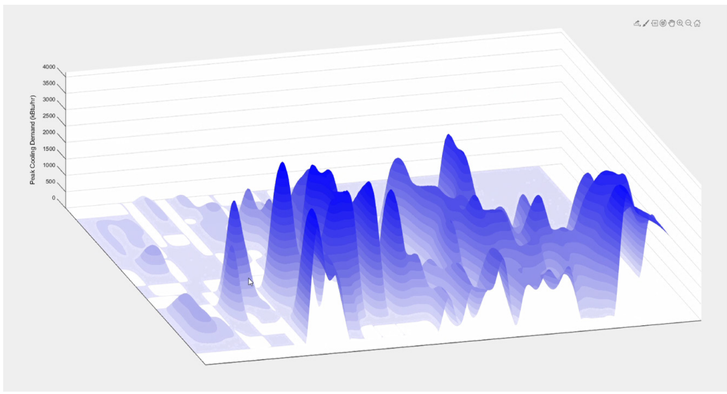
I kept track of all upcoming conferences, submit abstracts and booked hotels and flights (if applicable).

The "Road to Absolute Zero" was created to illustrate how integrating various clean technoogies can create a zero-carbon city whilst displaying common factors that clients take into consideration.

Analytics and Development

During my year with GI Energy, I learnt how to complete tariff analysis and evaluate the savings incurred after clean technologies were installed. The technologies I worked with in particular were combined heat and power (CHP or cogen) and solar and storage. By completing a proforma for the propsosed project, I was able to identify whether the project was financially viable.





	Hourly loads			
	Geo cooling		Geo heating	
	Clg kBTU	Peak Clg kBTU/hr	Htg Kbtu	Peak Htg KBTU/hr
Jan	9,154	24	1,144,016	4,937
Feb	11,366	114	833,915	4,131
Mar	71,456	1,675	485,797	3,279
Apr	140,051	2,253	190,499	2,055
May	442,753	2,667	38	14
Jun	846,503	2,654	-	-
Jul	1,116,759	3,193	-	-
Aug	1,002,572	3,562	-	-
Sep	689,278	2,645	-	-
Oct	205,124	1,949	127,928	1,914
Nov	54,623	1,351	370,490	2,619
Dec	12,203	158	921,980	3,463
	4,601,842	3,562	4,074,662	4,937
	Tons	0	Tons	0
	EFLH	1292	EFLH	825