A Case Study: Economic and Environmental Impacts of District Cooling in New and Existing Infrastructures.

Please use LCA and LCC to compare the two kinds of cooling. The methodology from the presentation is my work and is the work i want, The draft work is from a previous company that didnt do the work cohesively but you might use parts of it if you wish I want a good use of semipro for the LCA bit for the results Real deadline is 5/5/2022 partial deadline with results bit done is 2/5/2022 (Methodology & Results & Discussion ) by 2/5/2022 rest 5/5/2022 Results should be LCA \*using simapro\* and LCC focus on comparing the cooling of a flat in The Pearl using (Qatar Cool) district cooling, and a normal window AC; the two methods; aslo this is the only interview I did wit a company representative. ; so the draft i have has loads of mistakes. I will help and want to be in close contact with the writer for further questions. ======= - How much in total did it cost to build the facility? It varies based on site and system design. Roughly it is around 10-13k QAR/TR including the pipe distribution network. - How much (yearly/ approx) does it cost to maintain the facility? (Bills/staff) confidential information. - How much kWh do you consume on average? 250m kWh. It is increasing every year as the cooling load increase. - How many and what refrigerants do you use? R134a - How many (approx) areas do you currently cover in the pearl? in m2 or m3 the entire Pearl except the private palaces - built up area is around 3 m m2. - What is the current CO2 emission estimate? (you can skip if not available) NA - How much in tonnes would you approximate the metals/pipes connecting your facilities to their destinations? The length of the pipe in The Pearl is 92 Km with different diameters. ======