



I believe issues with sustainability will play a key role during my career as engineer. By looking at the direction the market is moving today environmental sustainability becomes more and more important. Therefore the pressure will increase on engineers to develop products that not only fulfils the need, but also have as small impact as possible on the environment. Since I plan to work within the power generation or smart grids I'll most likely work with renewable energy sources such as wind and/or solar energy. In order to build a power grid with most of its generation from renewables I think the society will be forced to live more sustainable, because otherwise I don't think it will work. In order to build a power grid with as much power as possible generated from renewable sources I believe demand response is very important. Therefore everyone will have to work active with when they are going to use different electrical devices. For example it's not a good idea to run heavy machines during night when there is no solar power available if the production is depending much on solar energy.

At this point I already try to do as much I can to live in a sustainable way, for example I eat vegetarian food during the week at home since I believe the meat-consumption today is way too high. When I worked at Fortum I went to a seminar with one of their CEO's who told us that if everyone in Stockholm would eat vegetarian food two days a week it would save energy equal to the need energy for heating on Kungsholmen. Although I try to live sustainable as a student I'm quite limited when it comes to time and money. I hope that in the future when I work and earn more money than today I can use what's taught in this course by for example try to buy even more ecological food than I do today. Something I also want to do today but can't do due to economic reasons is to buy stuff which have a longer life time but costs more to buy. This way I can both save money in the long run, and also live more sustainable since if I buy less stuff the need of recycling decrease.

I think the material works pretty well with what I've been taught at KTH and especially during the master programme. During the bachelor there wasn't much discussions of environment, but during the master programme several of the courses I've taken have discussed the environmental impact of different solutions. What differ between the material in this course and the other courses is that I get a feeling that the material in this course is more about what I can do at myself, while the courses is more about what techniques can be used in the industry to help others becoming more sustainable. Therefore I think KTH, or at least the master programme has done a lot to prepare me for the future since I've been taught about environmental impacts from both personal and industrial perspectives.