Dear Christian,

For the grid price data, I found these places are useful:

<https://www.eia.gov/>

a general place for all grid price data, but no hourly prices data provided

<http://www.isorto.org/About/Members/allmembers>

List of all IRCs which may provide us some very detailed hourly data, also solar and wind data if lucky.

<http://usersupport.homerenergy.com/customer/en/portal/articles/2925711-getting-started-with-homer-grid>

A simulation tool which I previously plan to play with before the tight deadline comes out...

Hope you enjoy and looking forward to your feedback.

Best regards,

Xiaopu