Homeowners’ motivation to implement energy renovation (ER) derives from the benefits and barriers they perceive. Benefits are the positive consequences that can motivate homeowners to act and barriers are the challenges that demotivate them to undertake ER. The talk is based on a questionnaire survey of owners of single-family houses in northern Sweden. The survey results suggest that the perceptions of homeowners on benefits and barriers of ER are significantly different between the groups that are motivated/unmotivated to implement ER. Despite the perceived importance of some of the benefits such as energy cost reduction, they may not be determinative for the homeowners’ decision to undertake ER. The homeowners could be more likely to implement ER for reasons such as for improving the indoor environment. The barriers such as the difficulty of finding a low-interest loan and reliable information sources are found to impede the intention to implement ER among different groups. Homeowners views on online information sources for energy efficient renovation will also be discussed briefly.