Local Energy Movement and Consumption of the Sustainable Energy by Railway Hitoshi HASEGAWA Recently, the local energy movement to cope with the environment preservation has prevailed, following the local food movement. Local energy movement achieves utilization of natural energy and the realization of the sustainable energy society. In this report, we explain how Yamanashi-ken tackles with challenging "Advanced environment area", an example of local energy movement. Further we would like to explain the applicability of energy storage by the hydrogen to the railway.