



Nameplate capacity (GW) of 2050 WWS needed and percent installed at 2015 end
World: 52.16 TW (4.3%)

Jacobson, M.Z., M.A. Delucchi, Z.A.F. Bauer, S.C. Goodman, W.E. Chapman, M.A. Cameron et al., 100% Clean and renewable wind, water, and sunlight (WWS) all-sector energy roadmaps for 139 countries of the world, 2016, <http://web.stanford.edu/group/efmh/jacobson/Articles/I/WWS-50-USState-plans.html>