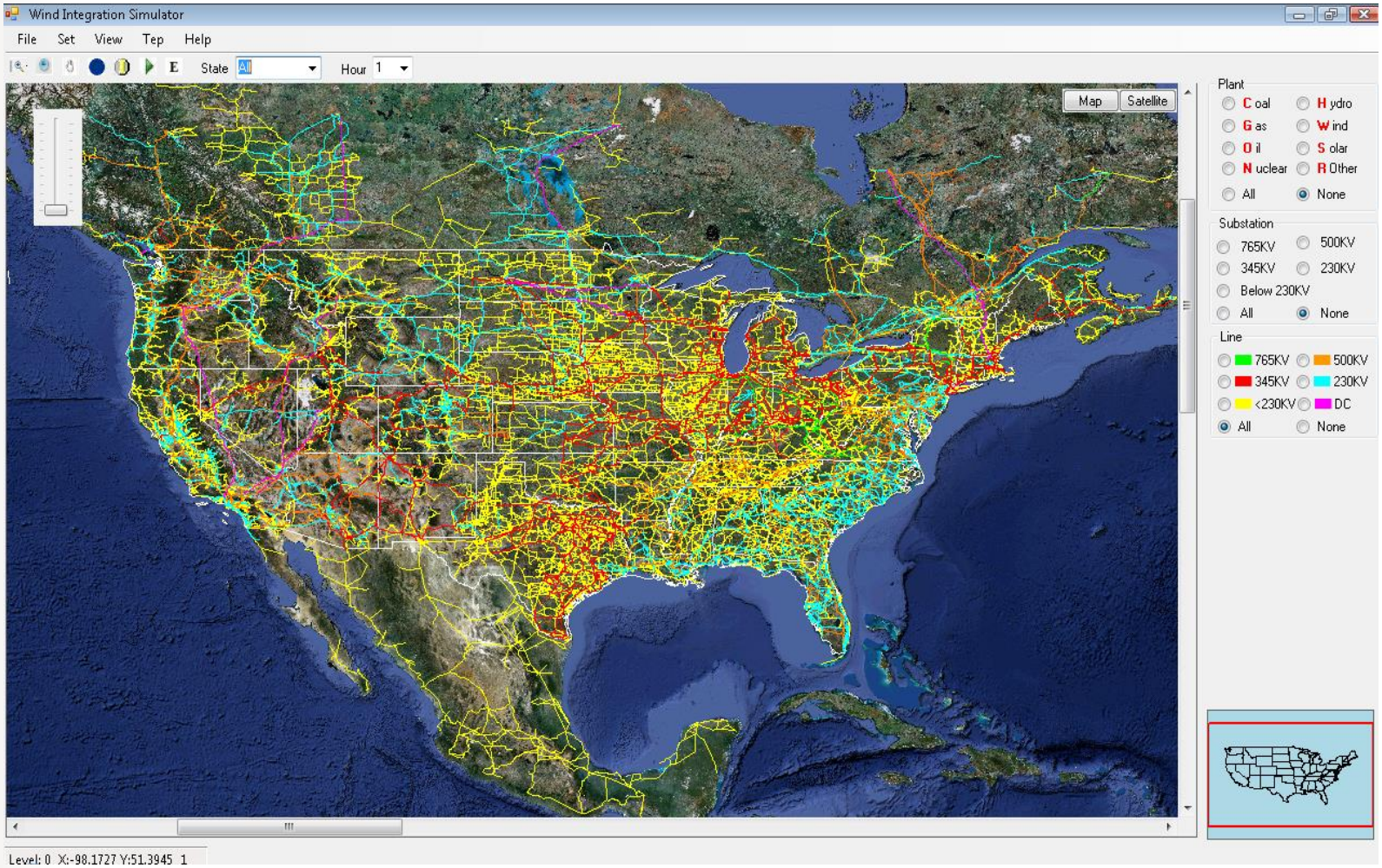
ILLINOIS INSTITUTE OF TECHNOLOGY

Wind Energy and Power System in the United States

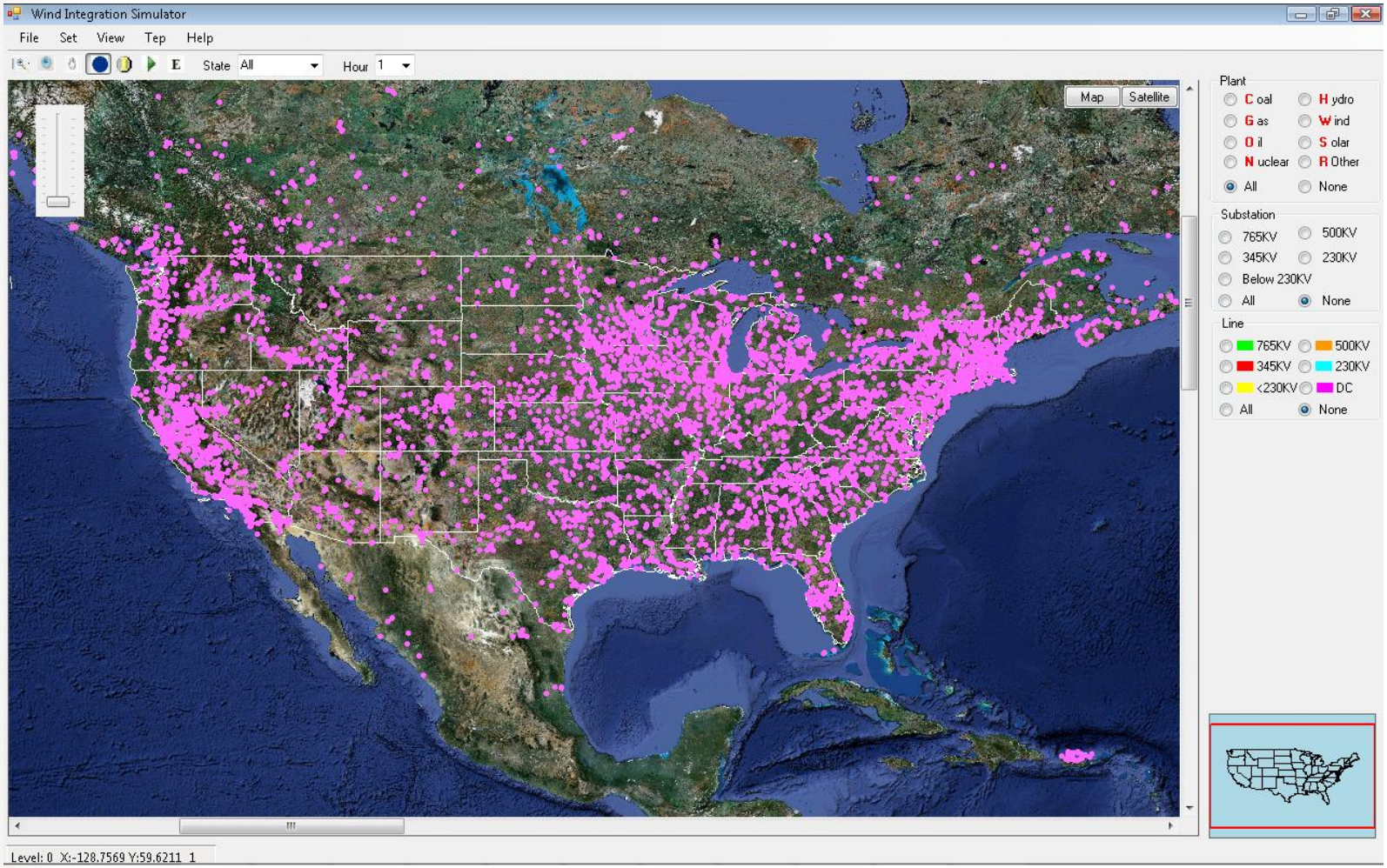
Dr. Mohammad Shahidehpour

2010

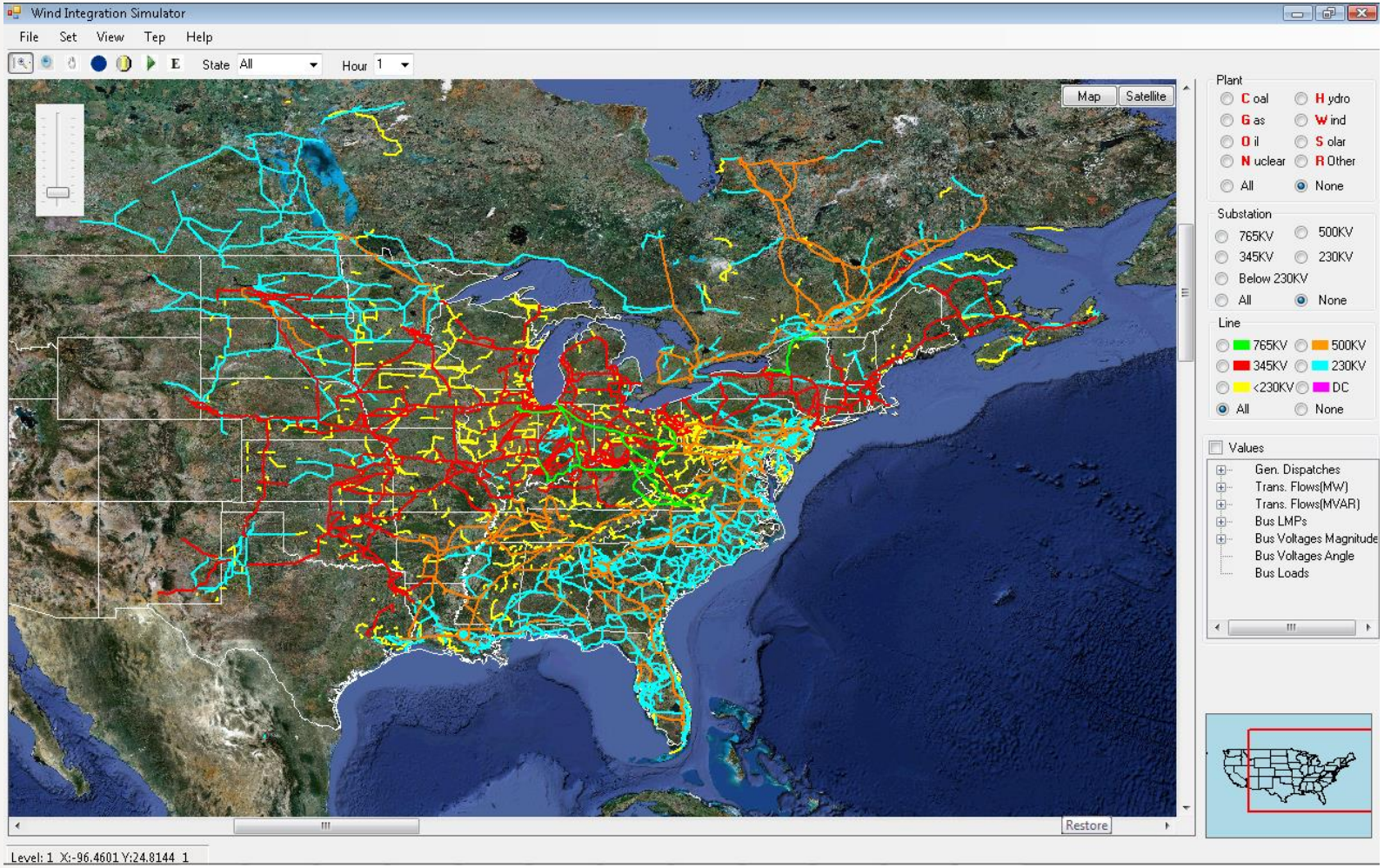
Transmission System in the United States



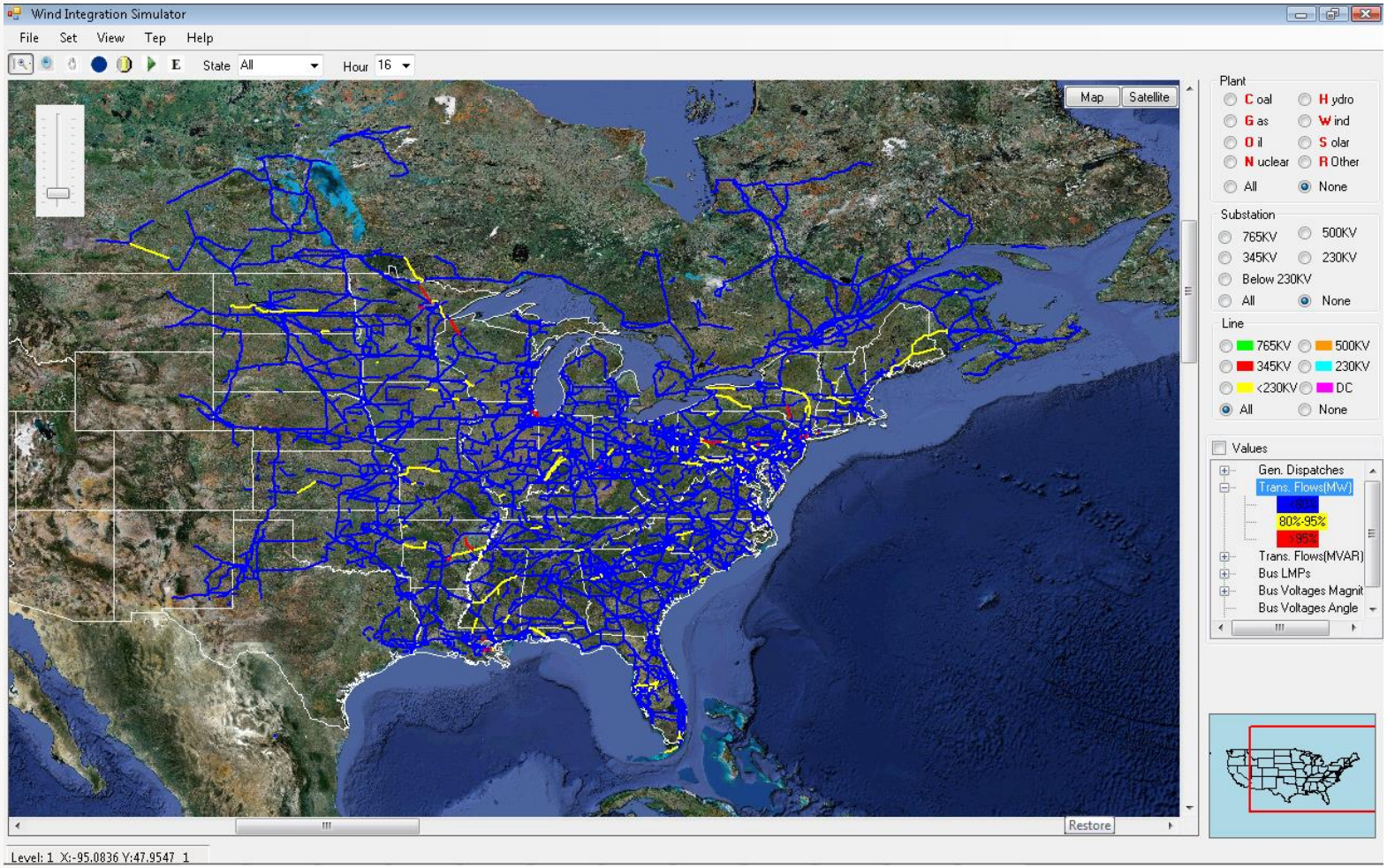
Power Plants in the United States



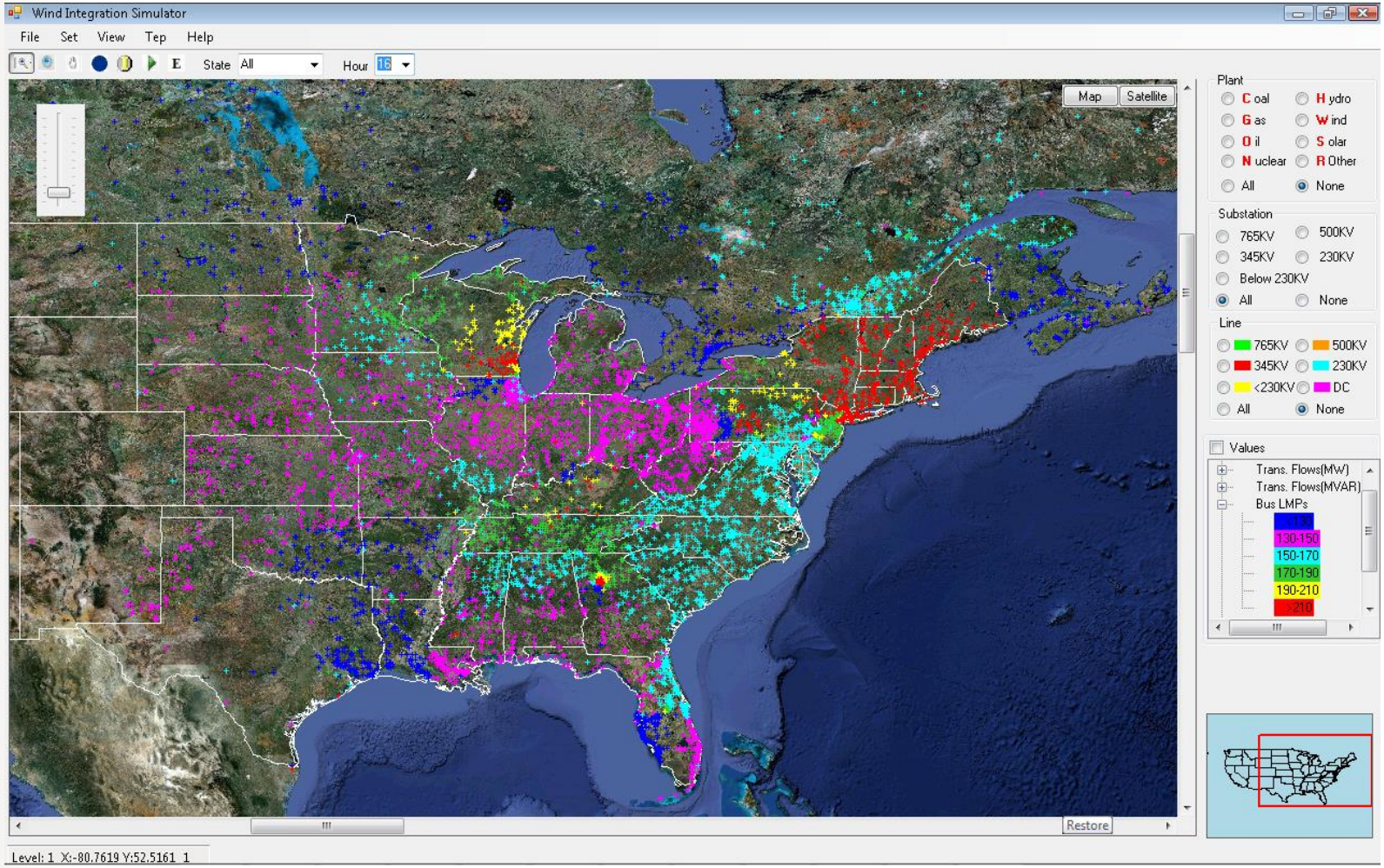
Eastern Interconnection



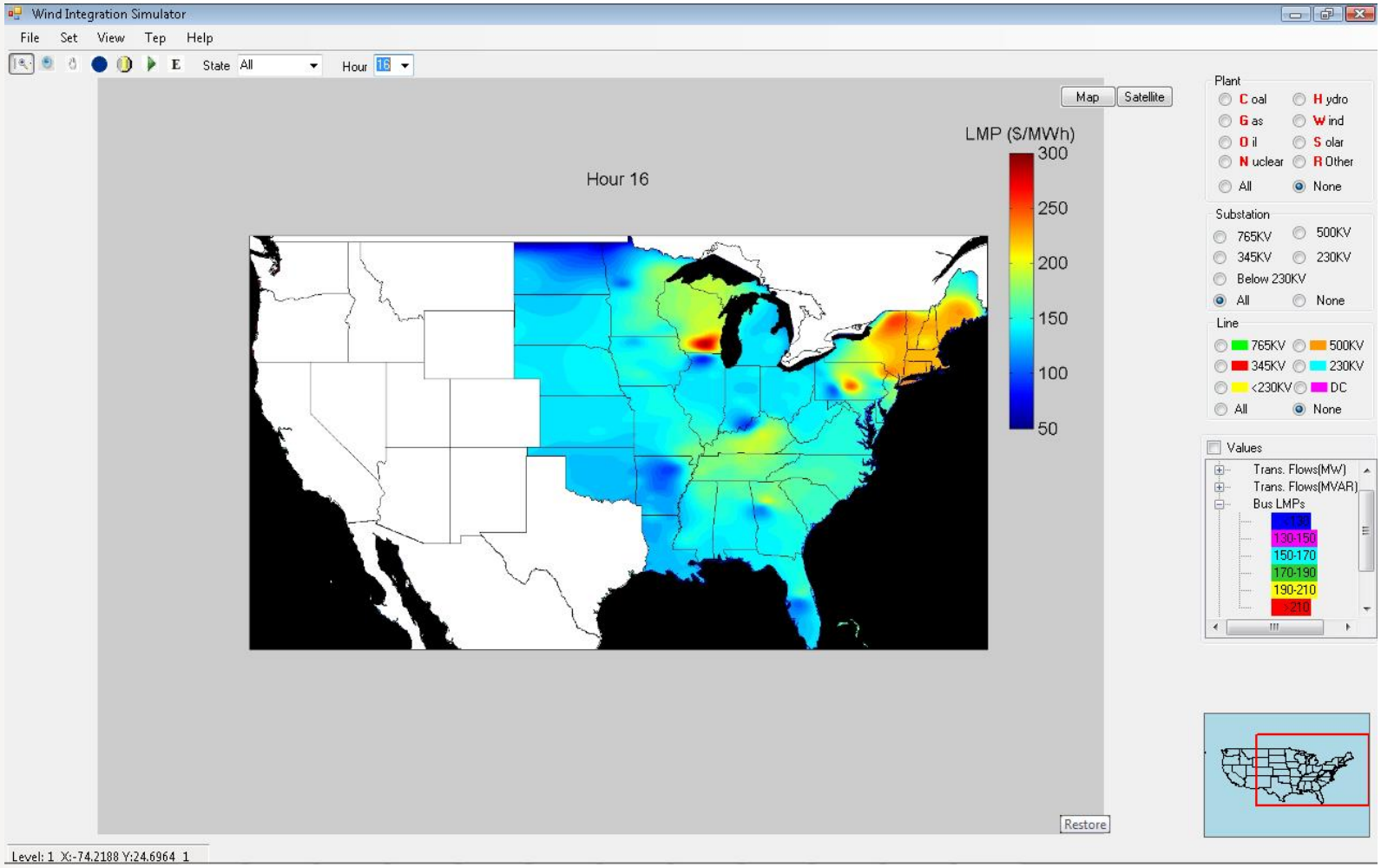
Power Flow in the Peak Load Hour(2008)



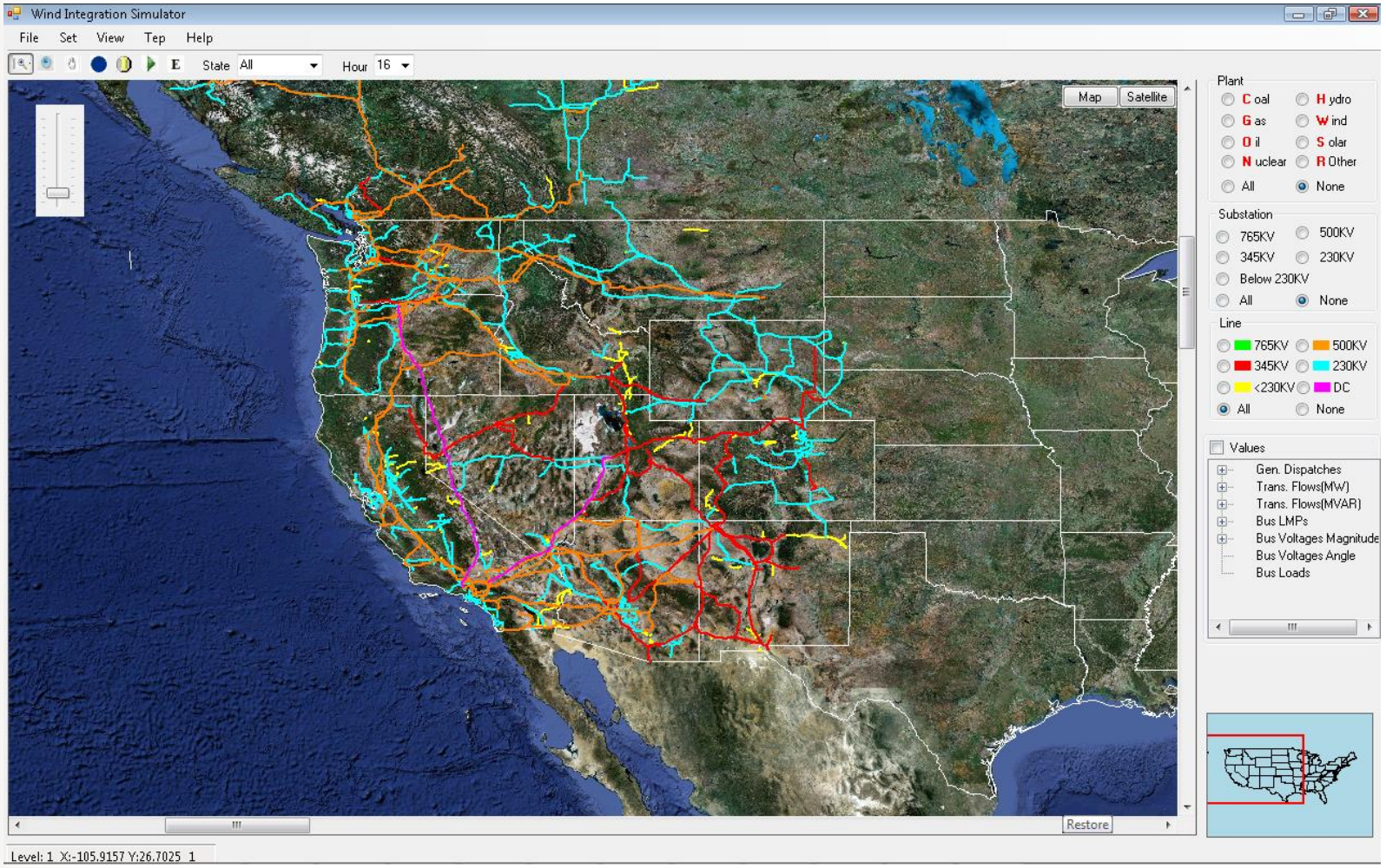
LMP in Peak Load Hour(2008)



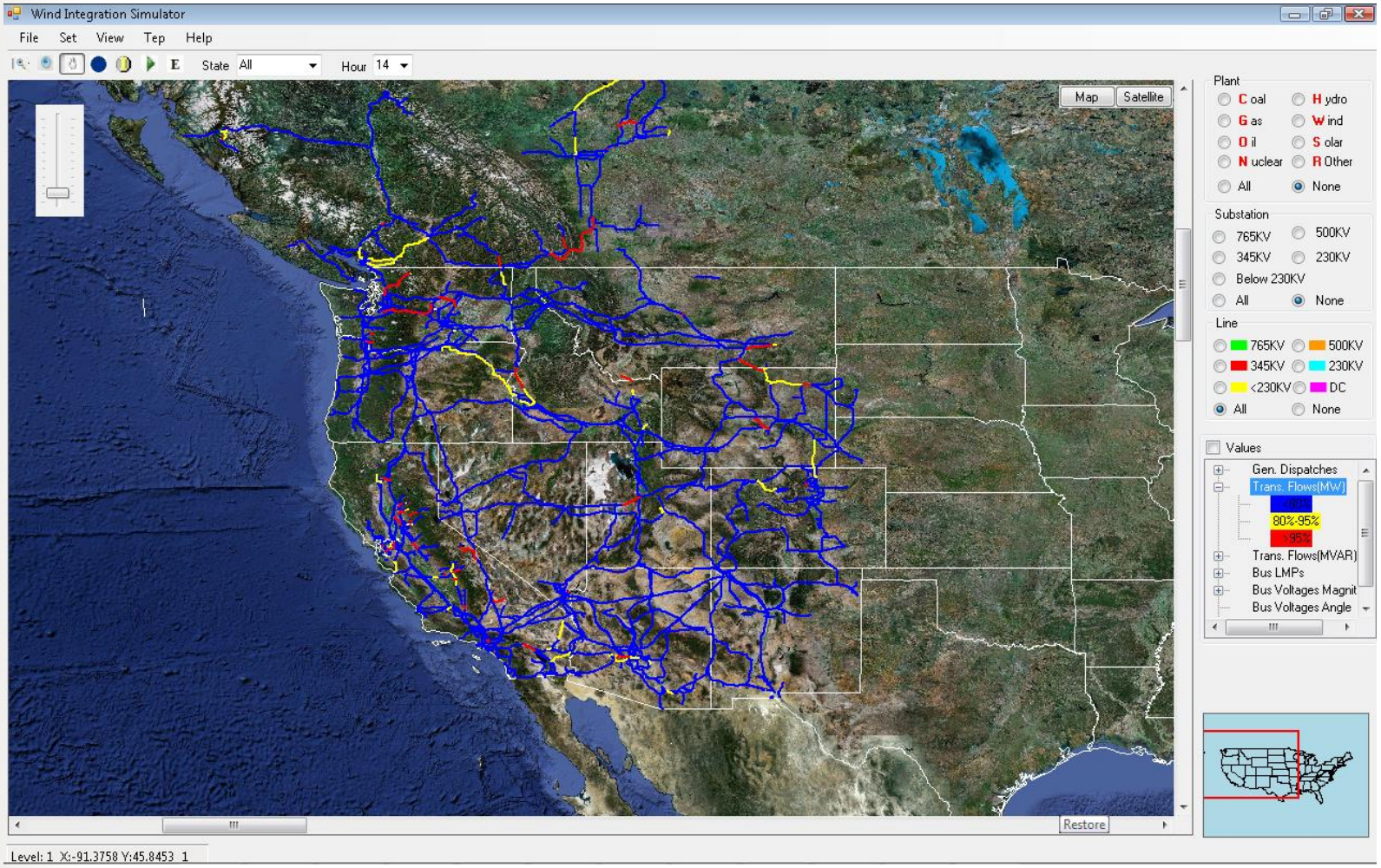
LMP Contour Map in Peak Load Hour(2008)



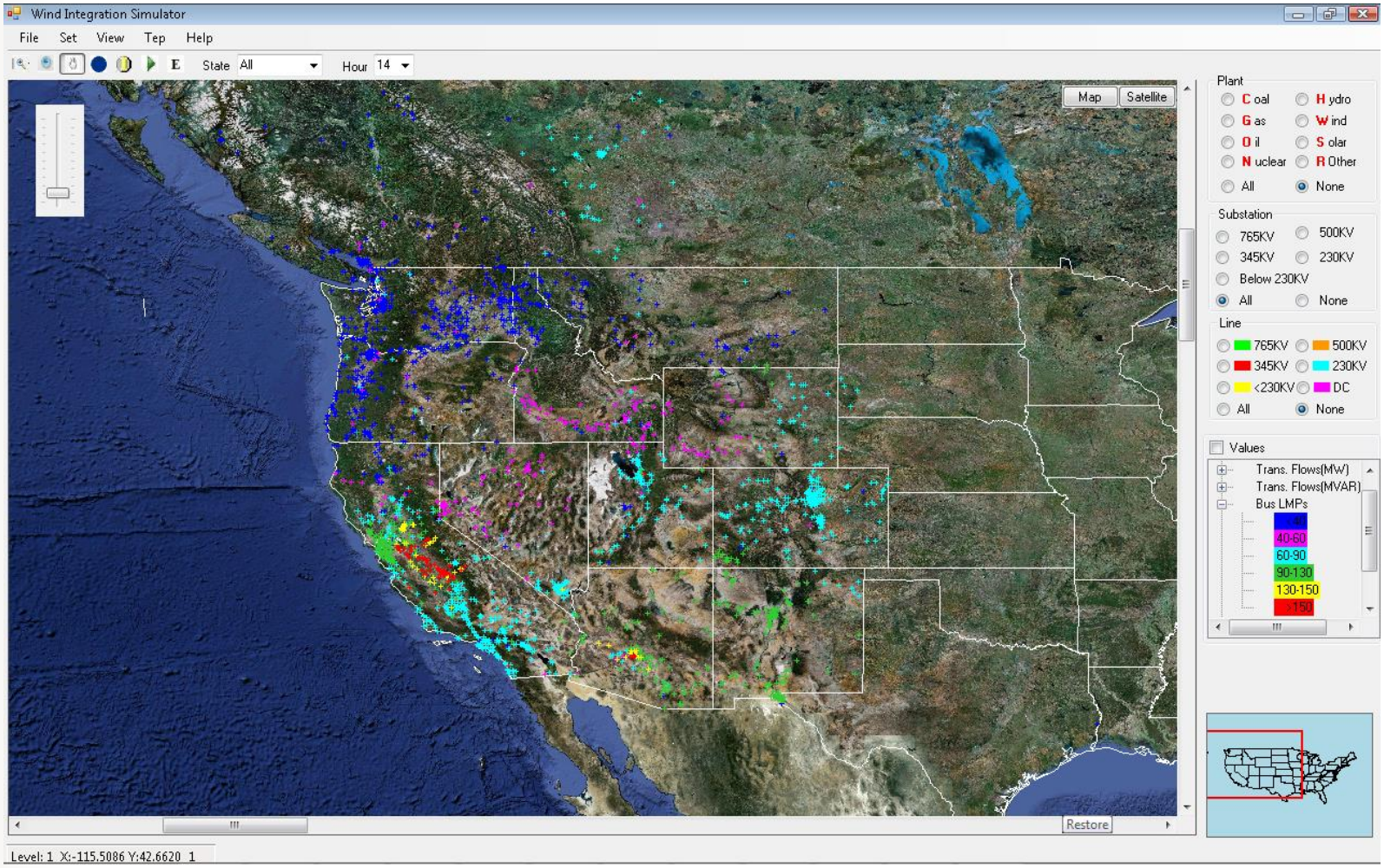
Western Interconnection



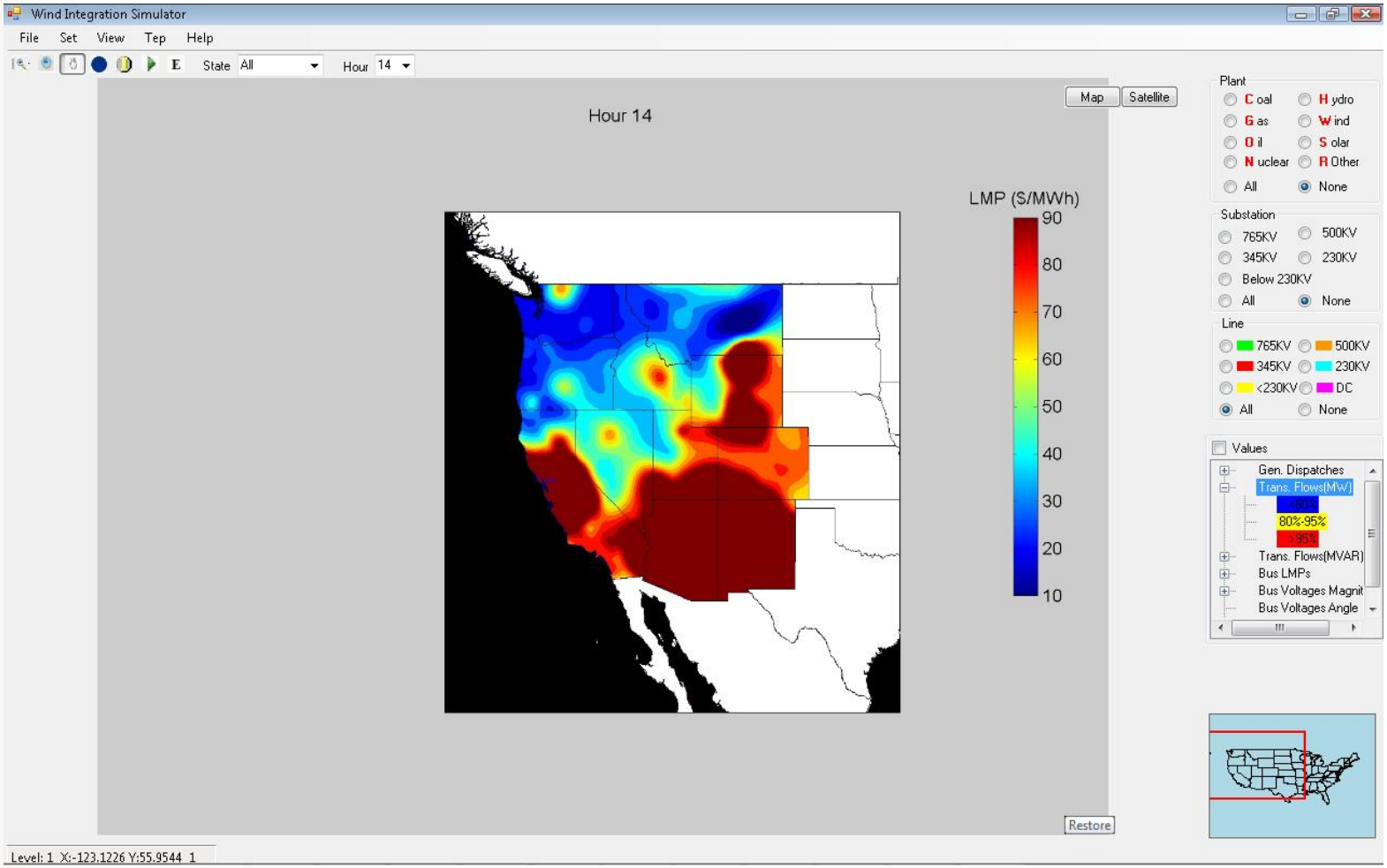
Power Flow in Peak Load Hour (2009)



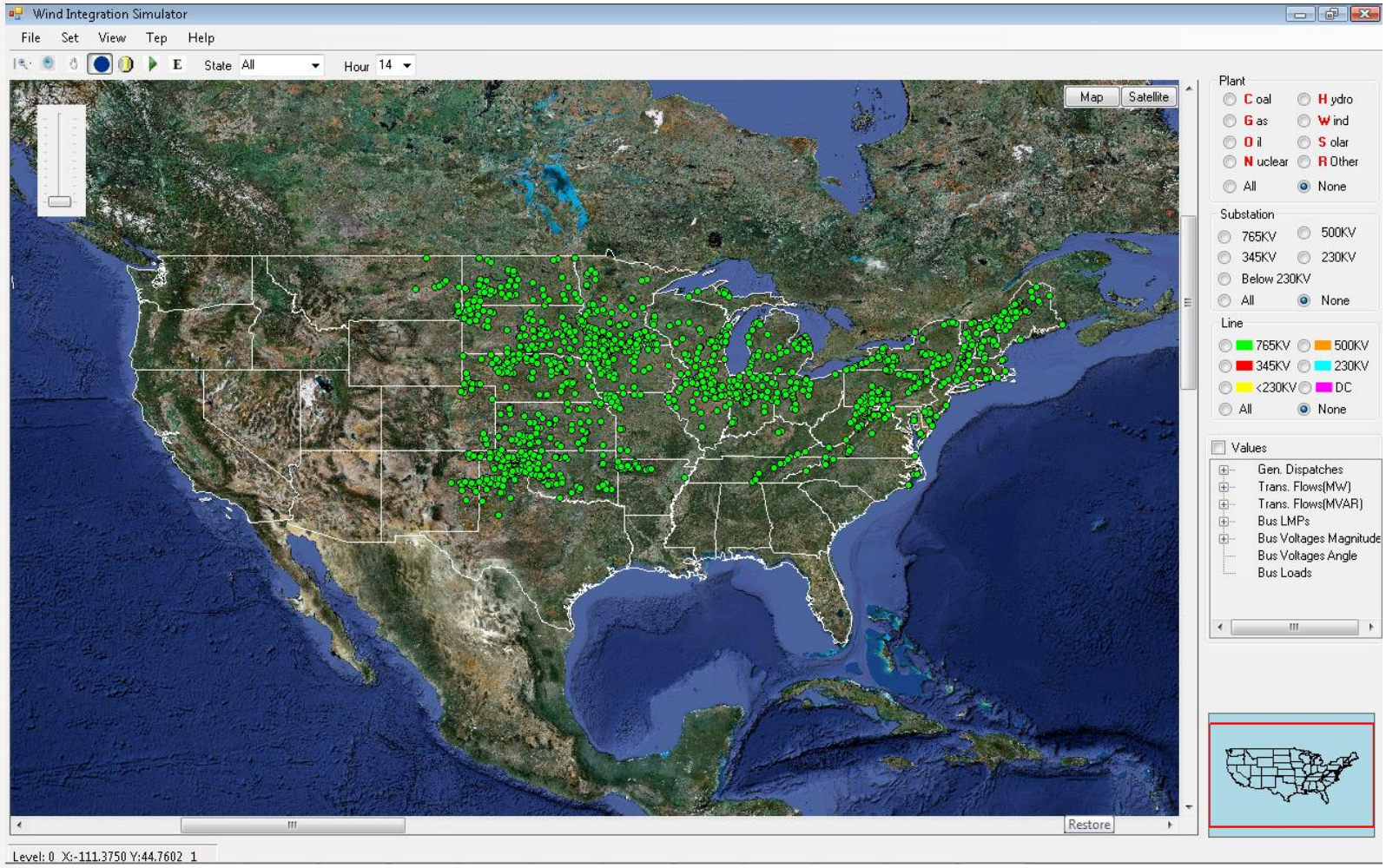
LMP in Peak Load Hour (2009)



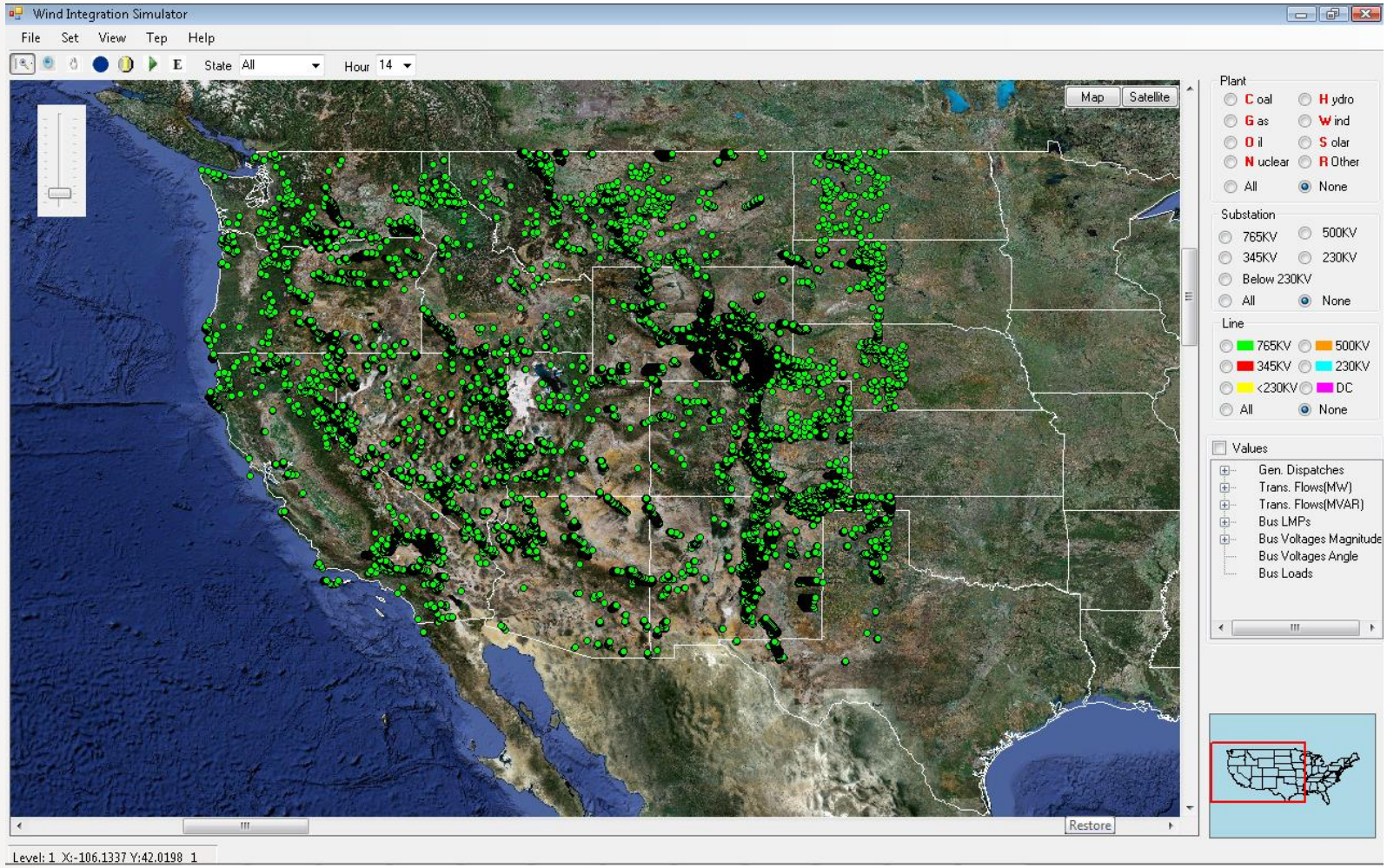
LMP Contour Map in Peak Load Hour(2009)



Land-based Wind Sites in the Eastern Interconnection(580GW)



Wind Sites in the Western Interconnection(900GW)



Thanks

Dr. Mohammad Shahidehpour