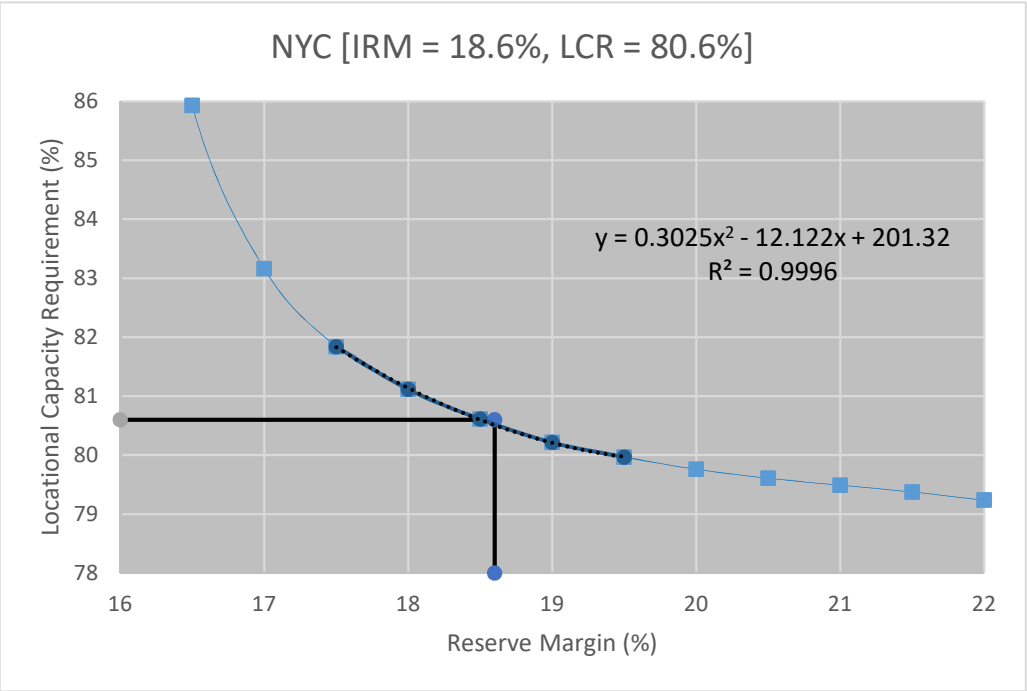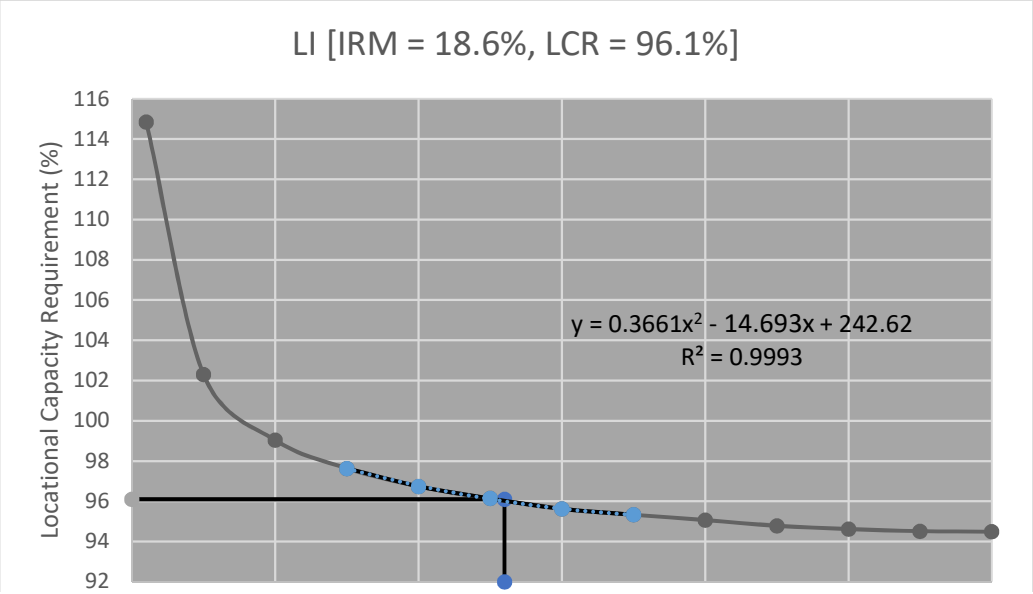IRM 2022 PBC Tan45 (Draft - Preliminary Results 8/17/2021)