

EW-2014-0245 Workshop

Distributed Energy Resources

November 2017

Kim Winslow – Director, Energy Solutions

DER – Edge of Grid



Demand Savings (MW)

	KCP&L	GMO	Total
Cycle 1 – Net Verified	54.2	68.3	122.6
EE Demand	34.3	40.9	75.1
DR Demand	20.0	24.5	47.4
Cycle 2 – Net Verified	53.8	70.2	124.0
EE Demand	28.3	21.6	50.0
DR Demand	25.5	48.6	74.0
2037 (Projected)	213.0	276.0	489.0
EE Demand	95.0	128.0	223.0
DR Demand	118.0	148.0	266.0

DG Levels (MW)

	KCP&L	GMO	Total
Total	29.3	33.4	62.7
Customer Owned (Res + Comm)	29.1	28.8	57.9
Utility Owned	0.2	4.6	4.8
Projected			
Utility Scale Solar (2027)	7.0	7.0	14.0
Residential PV (2037)	40.9	39.3	80.2
Commercial PV (2037)	129.9	129.9	258.8

Energy Savings (MWh)

	KCP&L	GMO	Total
Cycle 1 – Net Verified	188,993	214,411	403,404
Cycle 2 – Gross Reported	166,089	82,811	248,900
Cumulative Annual Impacts 2037	514,690	667,299	1,181,989