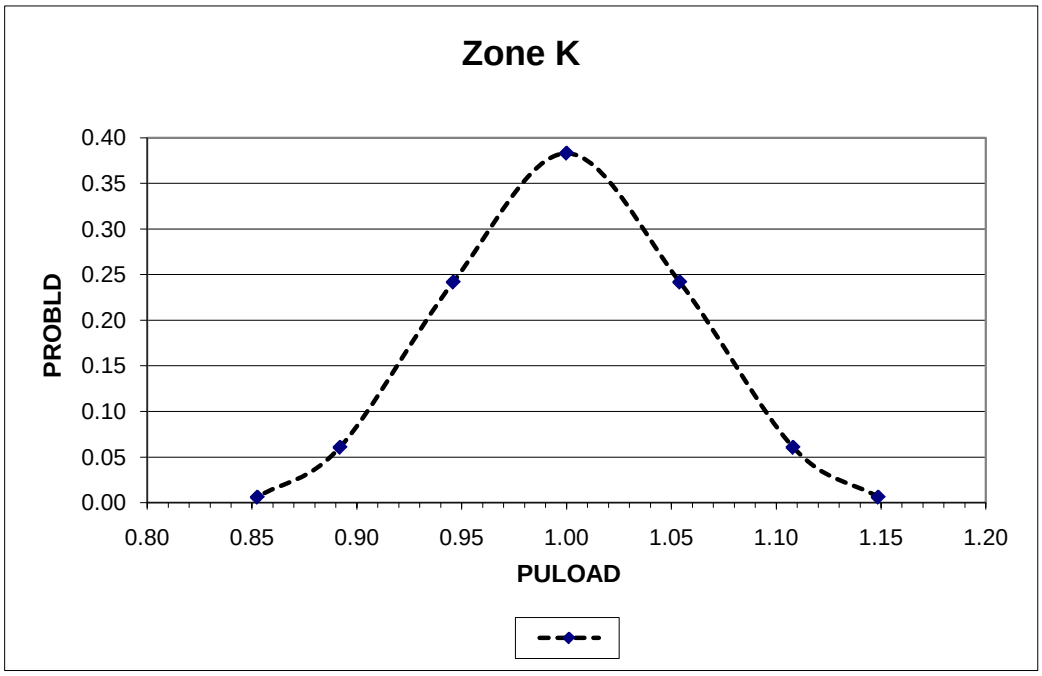
05/29/2013

# Probability Bands of Load Forecast Uncertainty

## Zone K peak load for Locational ICAP

| | 2014 | | ± 1 SD | | ± 2 SD | | ± 3 SD | |
|---|---|---|---|---|---|---|---|---|
| | | | MW | PU | MW | PU | MW | PU |
| **Mean** | | **5,515** | 5,813 | 1.0540 | 6,111 | 1.1081 | 6,335 | 1.1487 |
| | | | 5,217 | 0.9460 | 4,919 | 0.8919 | 4,701 | 0.8525 |

| | | x SD | probability | probability bands |
|---|---|---|---|---|
| High | 6,348 | 3.5 | 0.9998 | |
| Low | 6,260 | 2.5 | 0.9938 | 0.0060 |
| | | | | |
| High | 6,260 | 2.5 | 0.9938 | |
| Low | 5,962 | 1.5 | 0.9332 | 0.0606 |
| | | | | |
| High | 5,962 | 1.5 | 0.9332 | |
| Low | 5,664 | 0.5 | 0.6915 | 0.2417 |
| | | | | |
| High | 5,664 | 0.5 | 0.6915 | |
| Low | 5,366 | -0.5 | 0.3085 | 0.3830 |
| | | | | |
| High | 5,366 | -0.5 | 0.3085 | |
| Low | 5,068 | -1.5 | 0.0668 | 0.2417 |
| | | | | |
| High | 5,068 | -1.5 | 0.0668 | |
| Low | 4,770 | -2.5 | 0.0062 | 0.0606 |
| | | | | |
| High | 4,770 | -2.5 | 0.0062 | |
| Low | 4,685 | -3.5 | 0.0002 | 0.0060 |

| Sigma | MW |
|---|---|
| -4.0 | 4,680 |
| -3.5 | 4,685 |
| -3.0 | 4,701 |
| -2.5 | 4,770 |
| -2.0 | 4,919 |
| -1.5 | 5,068 |
| -1.0 | 5,217 |
| -0.5 | 5,366 |
| 0.0 | 5,515 |
| 0.5 | 5,664 |
| 1.0 | 5,813 |
| 1.5 | 5,962 |
| 2.0 | 6,111 |
| 2.5 | 6,260 |
| 3.0 | 6,335 |
| 3.5 | 6,348 |
| 4.0 | 6,350 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LIPA PULOAD | 1.1487 | 1.1081 | 1.0540 | 1.0000 | 0.9460 | 0.8919 | 0.8525 | 0.9996 |
| **PROBLD** | 0.0060 | 0.0606 | 0.2417 | 0.3830 | 0.2417 | 0.0606 | 0.0060 | 0.9996 |