

Generic Minimum System Results

Ontario Minimum System Studies

November 2 Technical Workshop

| Utility Name | Density (Cust/km) | Customer Component | | | |
|--------------------------------|----------------------|---------------------|---------------------|------------------------|-------------------|
| | | Line Transformer | Overhead Feeders | Underground Feeders | Combined OH/UG |
| Guelph - Bare Bone | Mixed | 27% | 48% | 34% | 41% |
| Guelph - Smallest Installed | Mixed | 54% | 99% | 67% | 83% |
| Milton | Mixed | 64% | 44% | 32% | 38% |
| MEA 1998 study | Mixed | 27% | 36% | 15% | 26% |
| Strata 1 (note 1) | Mixed | 42% | 52% | 25% | 39% |
| Strata 2 (note 1) | Mixed | 26% | 51% | 27% | 39% |
| Strata 3 (note 1) | Mixed | 29% | 50% | 29% | 40% |
| Wasaga Beach | Mixed | 71% | 61% | 13% | 37% |
| Rural Study (Ont Hydro) | Rural | 62% | 61% | 61% | 61% |
| Etobicoke (Tx weighted oh/ug) | Urban | 38% | 63% | 66% | 65% |
| North York Hydro (Tx Weighted) | Urban | 16% | 32% | 11% | 22% |
| Toronto Hydro | Urban | 23% | 23% | 23% | 23% |
| Average | All | 40% | 52% | 34% | 43% |

| | | | | | |
|----------------|--------------------|------------|------------|------------|------------|
| Average | Mixed | 43% | 55% | 30% | 43% |
| | Rural | 62% | 61% | 61% | 61% |
| | Urban | 31% | 39% | 33% | 36% |
| | Average all | 40% | 52% | 34% | 43% |

| Further analysis of Mixed Strata | | | | | |
|----------------------------------|-------|-----|-----|-----|-----|
| Average without high outliers | Mixed | 39% | 49% | 25% | 37% |
| Average without low outliers | Mixed | 45% | 58% | 32% | 45% |
| Average without high and low | Mixed | 42% | 51% | 27% | 39% |

Note 1 :

MEA February 1998

Strata 3 - utilities with over 40% of distribution plant underground

Strata 2 - utilities with less than 40% and over 1000 Residential customers

Strata 1 - Utilities with less than 40% underground and less than 1000 residential customers

The 10 largest utilities were excluded from these stratifications.