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Commission de l'énergie de l'Ontario

Functionalization into Sub-accounts Implementation: Key Issues

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June 15, 2006

Functional Approach to Identifying "Bulk" Assets

Factors:

- Bulk assets are designed to support the distribution system's peak (e.g. feeders supplying substations)
- Assets designed to meet customer's peak are considered primary or secondary
- If have bulk assets, then assets used to deliver power to Distribution Station(s) are also bulk

Functional Approach to Bulk Assets

Other factors suggesting bulk assets exist:

- 44 kV line with larger user attached usually bulk
- Embedded distributors often connected to bulk
- Large customers in separate rate classification often connected to bulk

NB: There are exceptions to above, so utility judgement required

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Factors Suggesting No Bulk Delivery Assets

1) Assets have delivery voltage of less than 13kV

2) Circuits below 3 phase

3) Distribution system designed and operated in fully-integrated manner (explanation required)

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Other Potential Factors

General Considerations?

- Operational considerations
- Industry practice

Other Potential Bulk Identifiers?

- No or very little direct connections
- Connection between wholesale market and LDC substations

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Filings

Each LDC must decide whether any bulk assets exist

- filing must explain reasoning
- filing must include single line diagram or distribution system schematic

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Breaking out Costs

Default Methodology:

1) Determine kilometres of line for bulk, primary or secondary assets

2) Use portion of each to the total to determine the percentage of costs by asset type

Must explain and justify in filing if use another method
- any suggestions regarding demand or energy?

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