Changes to the
ComEd Reactive Transfer Interface Definition

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• Interface implemented in June 2013
  – Definition composed of all ComEd tie lines (closed loop)
  – Interface is used to monitor and to control for reactive issue when the zone is importing (peak summer conditions)
  – Interface has not bound in real-time
• New Interface definition will be changed to six EHV lines
  – Implementation will be made effective March 1, 2016
  – New interface will be on the ComEd eastern border
  – New interface will be named “CE-EAST”
• Reasons for change
  – Create an opened-loop interface
    • Certain generators in MISO generation can help with voltage issues in Chicago / M2M.
  – Generators near the Chicago load center should have higher raise-help dfax than units in the west and in the south.
  – Overall generation and dfax mix in the new CE-EAST interface better manage voltage issues during peak load conditions.
  – Flows increase on the eastern lines when the load is high.
New Definition

- Interface Definition – “from-to” substations
  1) Dumont-Wilton Center 765 kV line
  2) Olive-University Park 345 kV line
  3) St. Johns-Crete 345 kV line
  4) Sheffield-Burnham 345 kV line
  5) Sheffield-Stateline 345 kV line
  6) Munster-Burnham 345 kV line

<table>
<thead>
<tr>
<th>B1/Station</th>
<th>B2/Voltage</th>
<th>B3/Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUMONT2</td>
<td>765 KV</td>
<td>DUM-WIL1</td>
</tr>
<tr>
<td>OLIVE</td>
<td>345 KV</td>
<td>OLI-UNI1</td>
</tr>
<tr>
<td>MUNSTER2</td>
<td>345 KV</td>
<td>BUR-MUN1</td>
</tr>
<tr>
<td>SHEFFILD</td>
<td>345 KV</td>
<td>STA-SHE1</td>
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<tr>
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<td>345 KV</td>
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<tr>
<td>STJOHNS</td>
<td>345 KV</td>
<td>CRE-STJ1</td>
</tr>
</tbody>
</table>
• Operational Impact
  – Minimal, same as today/summer only
  – More efficient controlling actions

• Manual Changes
  – Manual-03 will be published with new name and definition
  – Manual-37 will be published to reflect new IROL name
Questions?

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