

Interconnection Process Coordination



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Interconnection Process Coordination Overview

Objective:

- Identify when studies are required?
- When should DU's contact VELCO?
- Who should be contacted at VELCO?
- What type of things does VELCO study?
- What types of controls are in place assure study content is accurate and up to date?
- How do projects go from concept to commissioning?

Interconnection Process Coordination Overview

- Distributed Generation (DG's) Interconnections greater than 1 MW shall comply with ISO PP5
 - PP5 requires a proposed plan application submittal.
- System Impact Studies shall be routed through VELCO Planning Department
 - Engineering and Operations are consulted
- VELCO reviews safety and reliability concerns
 - Thermal Ratings, Ground Fault Over Voltages, Protective Relay Coordination
 - Identify system deficiencies and provide Class A scope and cost estimate for remediation project
- What controls are in place
 - Traditionally communication and tracking via email and phone calls
 - Currently working with DU Engineering staff(s) to introduce more rigor to process; i.e. updating internal control process, identifying points of contact

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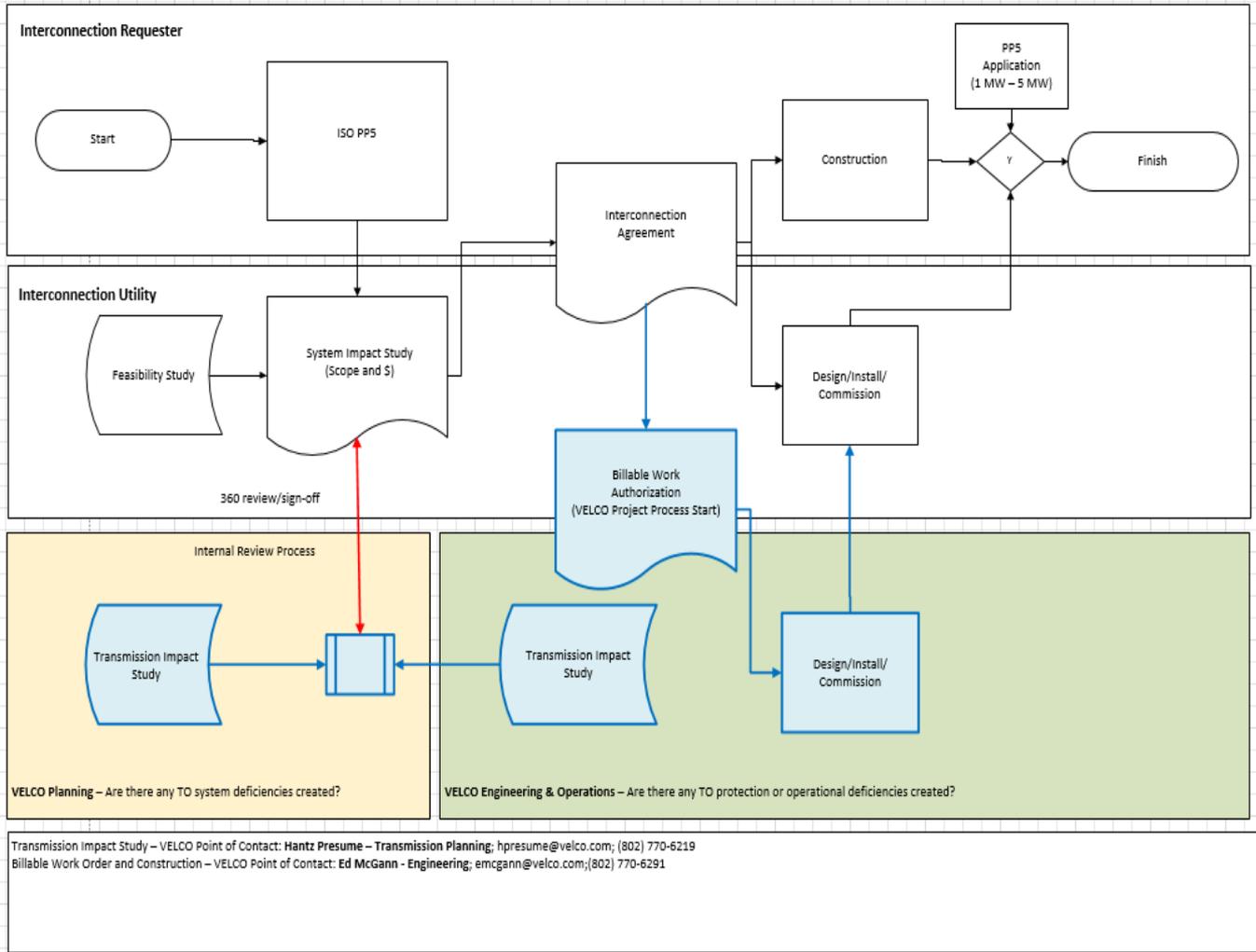
- Customer Billable Work Authorization

Proposed Interconnection by Size

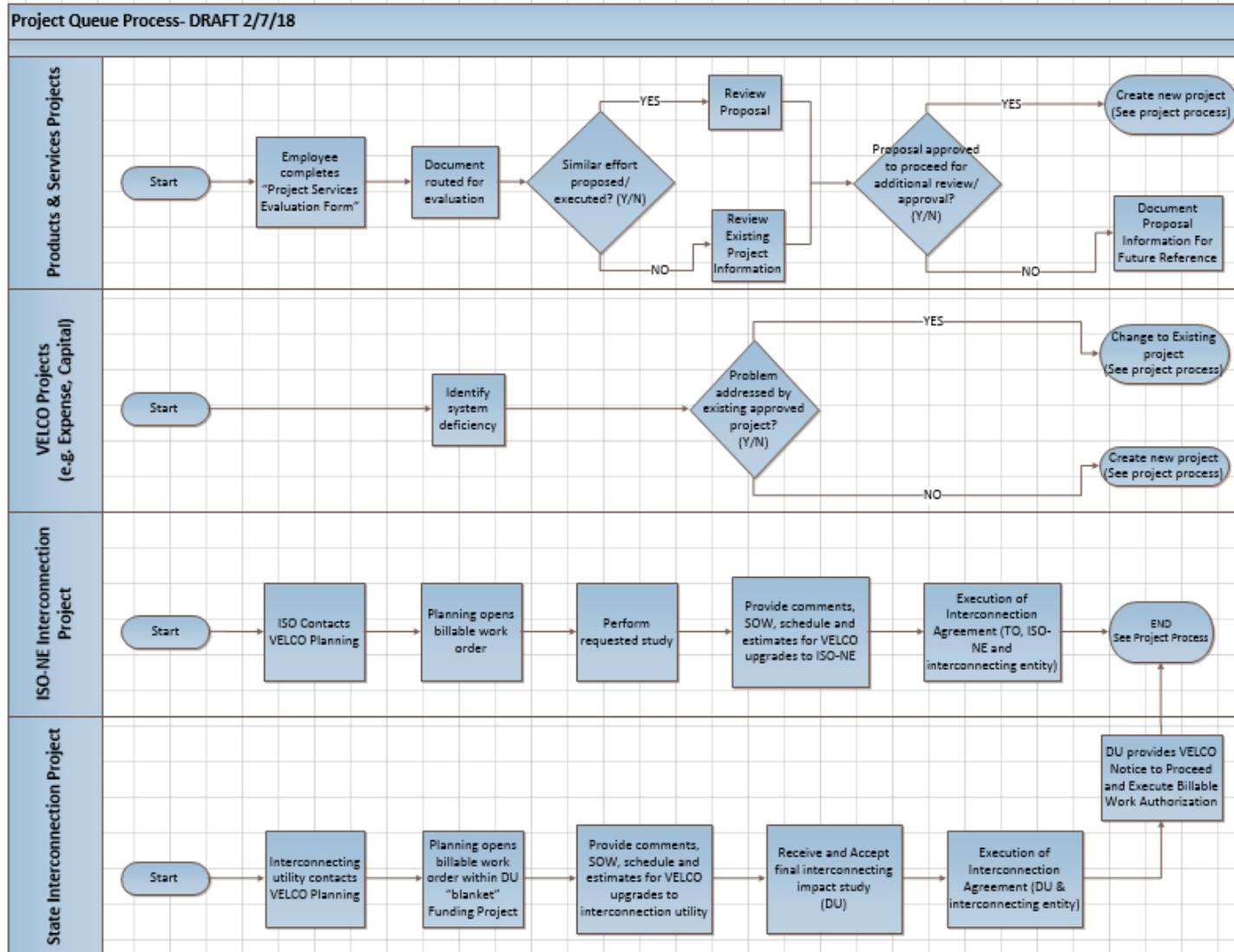
- < 1 MW (Quarterly report from DU's would be nice)
- 1 MW – 5 MW (PPS-1)
- > 5 MW (PPS-5)

VELCO Stake Holders

- Planning
- Engineering
- Operations



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Questions?