Existing Interconnection Approaches

Synchronous Interconnection

Non-synchronous Parallel Interconnection
GridLink™ Interconnection

Utility Feed

On-site Generation

Gas Turbine

Customer Load(s)

Power Flows

“Cut & Splice” Patented Parallel Non-synchronous Interconnection
Packaged Solution: Drop-in, Plug-and-play functionality
With GridLink the Utility does not see the Microgrid as Generation

Matthew Brown, URS Washington Group:
GridLink will “preclude any potential detrimental effects on the power delivery system [and] eliminate the potential of voltage, frequency, and phase-angle mismatching between the facilities and the utility grid.”

“Ideal to have the Microgrid as charging service.”

No interconnection application Microgrid looks like a load to the Utility grid

“Master Interconnection Agreement” - One application for microgrid, covers all future generation.

Meeting with David Eakin to discuss GridLink for projects in BG&E service territory

“...cutting-edge GridLink technology enables a safe connection between a microgrid and a traditional grid”

“...the proposed generator will not have an impact on the CL&P distribution system.”

“...The proposed generators will not operate in parallel with the Pepco electric distribution system.”

“conEdison”
GridLink: Inside the Black Box

*Note; DC Links are independent, output AC inverters behave together as single 4 wire voltage source