

# **Fab 9 Self-Managed Utility Overview**

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# Foundries are changing an industry that is changing the world



Source; Gartner 1Q19; IMF: company analysis

### At-scale global manufacturing footprint



### Burlington site – Fab 9



# GF's Fab 9 must remain competitive in the Global Market

- Issue: Fab 9's annual cost of electricity represents nearly 50% of the operational cost of the site to support manufacturing. The Fab 9 per unit cost of electricity is approximately 90% higher than GF's New York plants.
- Goal: Narrow the electric cost gap and create greater parity across GF's plants to maintain and grow operations at Fab 9 in Essex and ensure its competitiveness in the Global Market.

### > Analysis:

- GF can move production between 5 global Sites and accepts managing risks in the open energy market
- Closing the gap to get closer to NY electric costs improves Fab 9 cost per unit produced – the primary measure of competitiveness among GF plants
  - Supports optimum capital investment and growth opportunities

### **Solution: Self – Managed Utility**

- Since 2019, GF and GMP have been working through a collaborative process ordered by the PUC to find ways to create greater stability/sustainability for GF in the long term, to promote it remaining in Vermont for the benefit of not only electric customers but the Vermont economy as a whole.
- One of the options outlined in a December 2019 report to the PUC was to establish GF as a "single customer" utility.
- This solution is possible because GF is the largest VT power customer, has a direct connection to the 115kV high-voltage transmission system & owns and maintains the distribution system.

#### > The Self-Managed Utility model will:

- Allow GF to manage its own distribution system and supply its own load.
- Simultaneously remove GF from GMP's service territory, retail load, and service obligations.
- The proposal includes a 4-year transition for GMP to provide GF energy, capacity, and renewable attributes through a PPA that includes transition fees for a portion of otherwise stranded costs.
- GF's SMU will be considered the 3<sup>rd</sup> largest utility in the state if approved by the PUC.

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### Benefits of the Self-Managed Utility:

#### **Good for GlobalFoundries....Better for Vermont!!!**

- Allows GF to direct its own purchases to satisfy load through the wholesale market consistent with its own goals, timelines and strategies, in order to: manage risk across GF manufacturing plants, enhance global competitiveness, and improve prospects for investing in Vermont.
- GF's employees and local suppliers will remain economically strong, continue to contribute to the state's economy:
  - Wages and benefits for approximately 2,200 employees
  - Payments to Vermont vendors/ contractors
  - State income taxes, property taxes and sales taxes
  - Exports of \$1.311 billion (2019) (43% of the State's total export)
- Maintains GF as a wholesale transmission customer in Vermont through VELCO to the benefit of all electric customers statewide.
- Maintain GF's corporate philosophy to be a world-wide industry leader in clean energy standards and continue to be recognized for environmental sustainability.

#### Critical timing – Why now?

- Positons Fab 9 for positive investment today to meet the technology demands of tomorrow.
- President Biden Executive Order and Federal CHIPS legislation highlights importance of significant investment in domestic semiconductor industry and future opportunity for GF and Fab 9 growth.