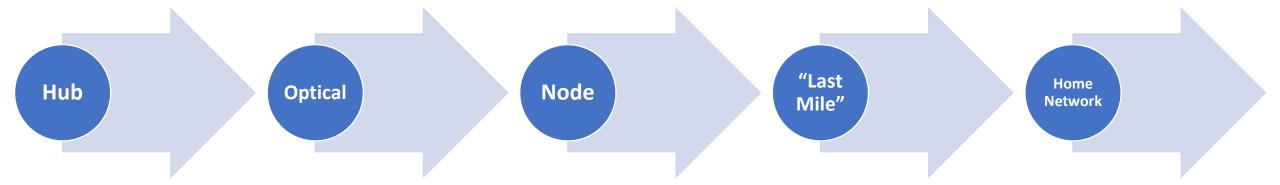


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# 10G Network Evolution Components

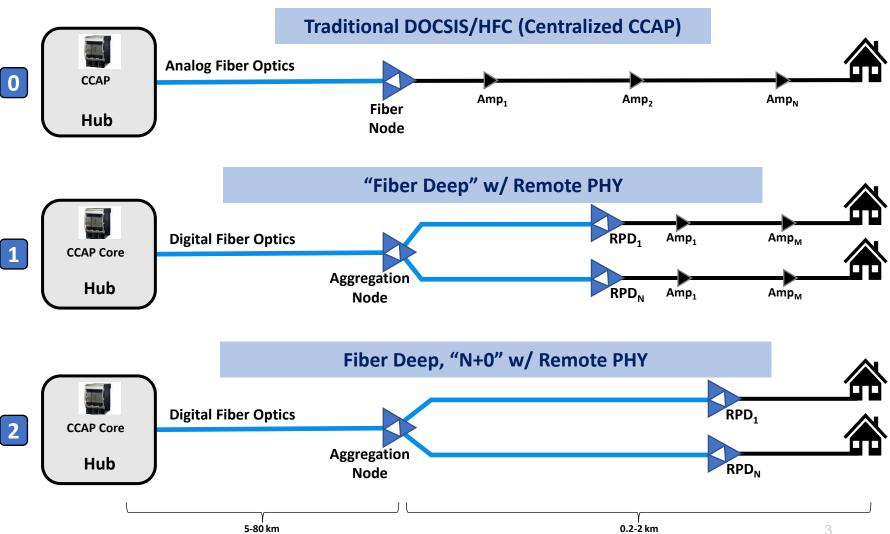


#### Next technology steps on the 10G journey...

Distributed Access	Digital optics, intelligent edge devices	
DOCSIS 4.0	Increased spectrum	10G
	_	
Fiber/PON/FTTH	Fiber to the Home	

## Distributed Access – Fiber Deep

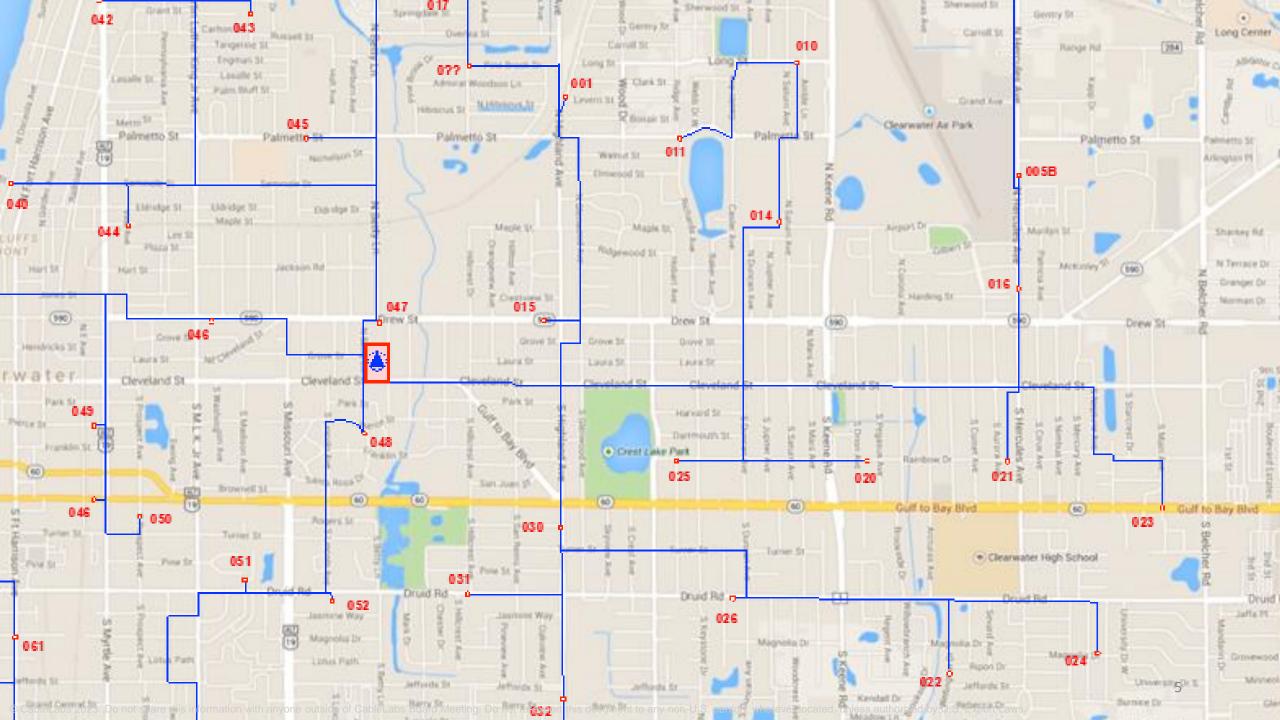


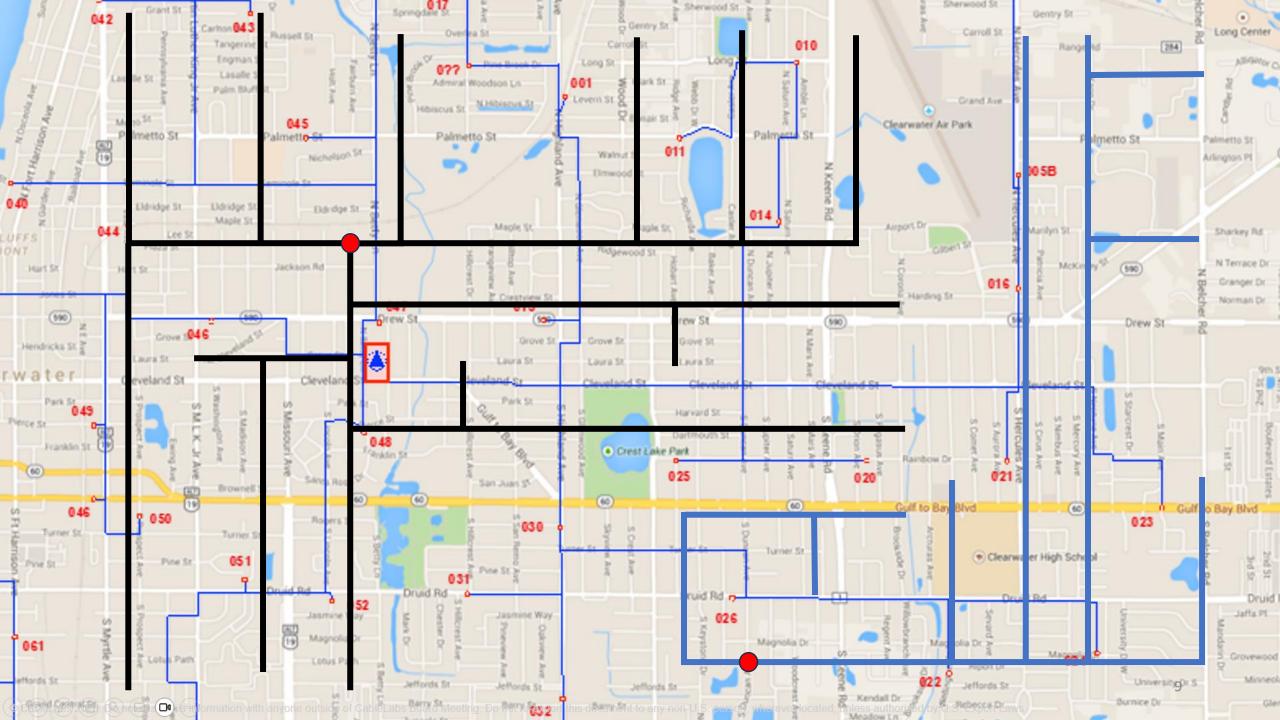


## Distributed Access – Extending Beyond Coax for Resi

Distributed Access w/ FTTH, DOCSIS/coax, Fixed Wire Access Fiber to the Home 0 (FTTH) R-OLT **Digital Fiber Optics** RPD₁ Amp<sub>1</sub> Amp<sub>M</sub> **DOCSIS CCAP Core** Aggregation Hub RPD<sub>N</sub> Amp₁ Amp<sub>M</sub> Node (A) **Fixed Wireless** Access

<sup>\*\*</sup>Not drawn to scale





## Key Takeaways

- Cable broadband operators continue to invest to advance the capabilities and performance of their networks, including w/ FTTH.
- DOCSIS/HFC networks are predominantly fiber networks, increasing fiber footprint every year.
- In new build scenarios, cable operators largely build fiber to the home networks

