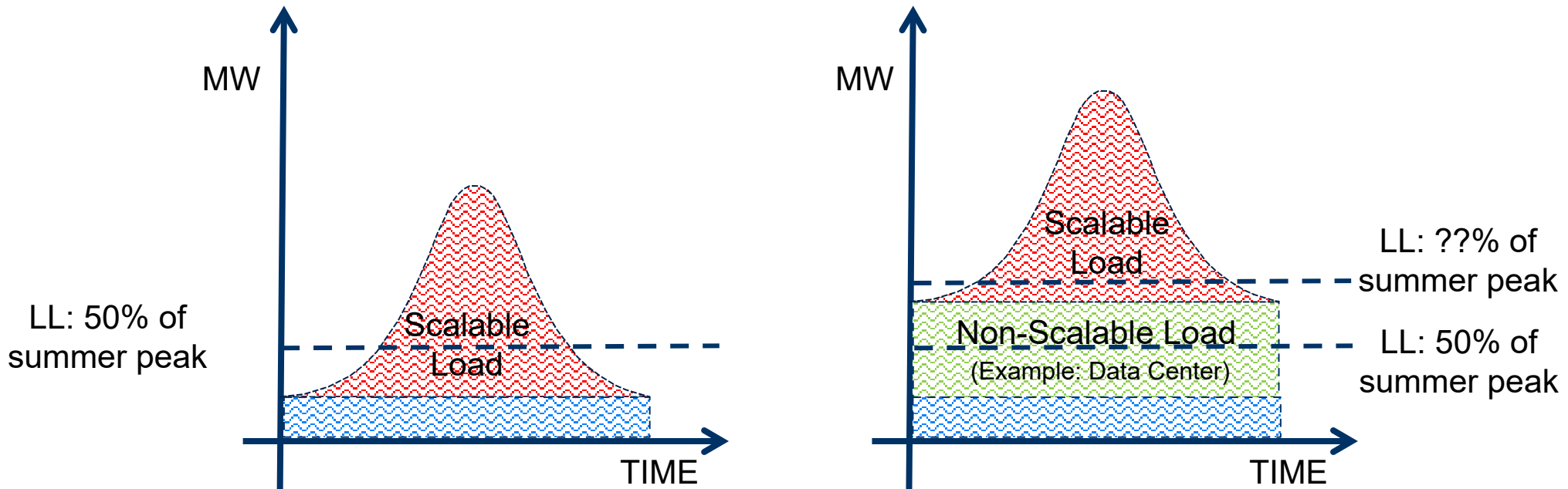


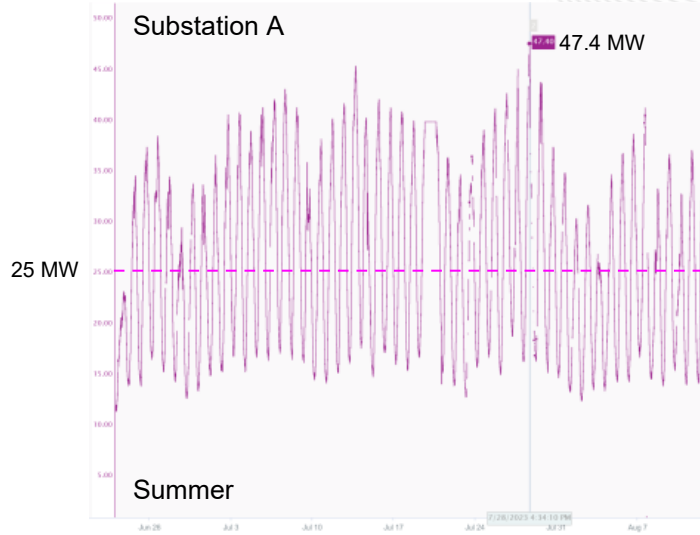
# Load Profiles

Stan Sliwa, P.E.  
Lead Engineer, Transmission Planning  
Planning Committee  
August 6, 2024

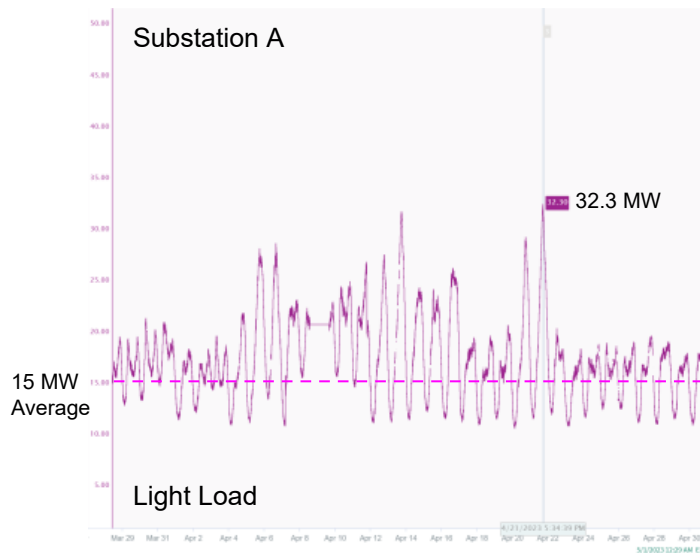
- Substations that supply both Data Center and non-Data Center load shifts the overall load value higher.



**Conventional Substation**

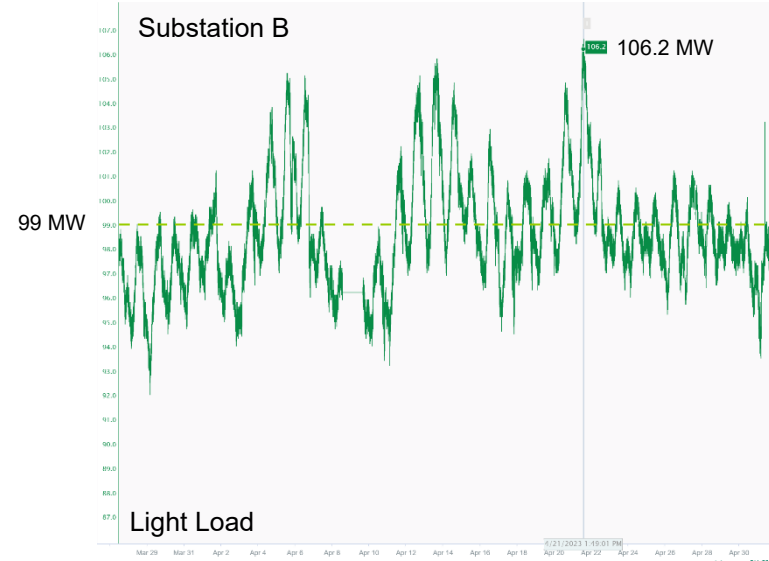
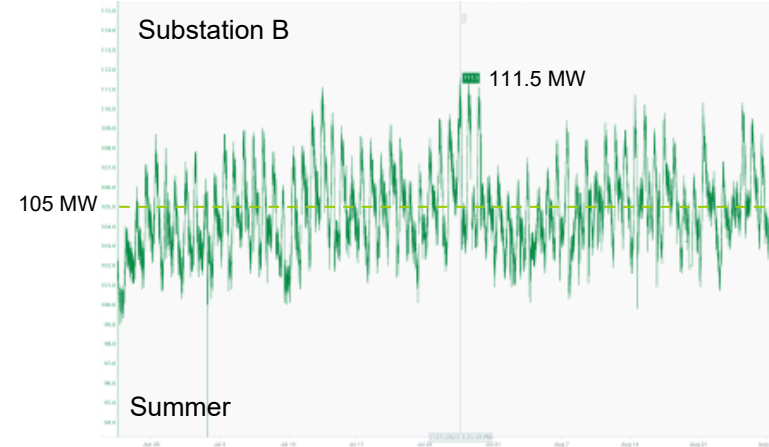


**Average load is approximately 50% of peak**



**Substation with concentrated Data Center load**

**Average load is approximately 94% of peak**



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## Load Profiles



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1	08/01/2024	<ul style="list-style-type: none"><li>• Original slides posted</li></ul>

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