



Definition of Transmission Lines

Presented by:

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Part 192 Definition

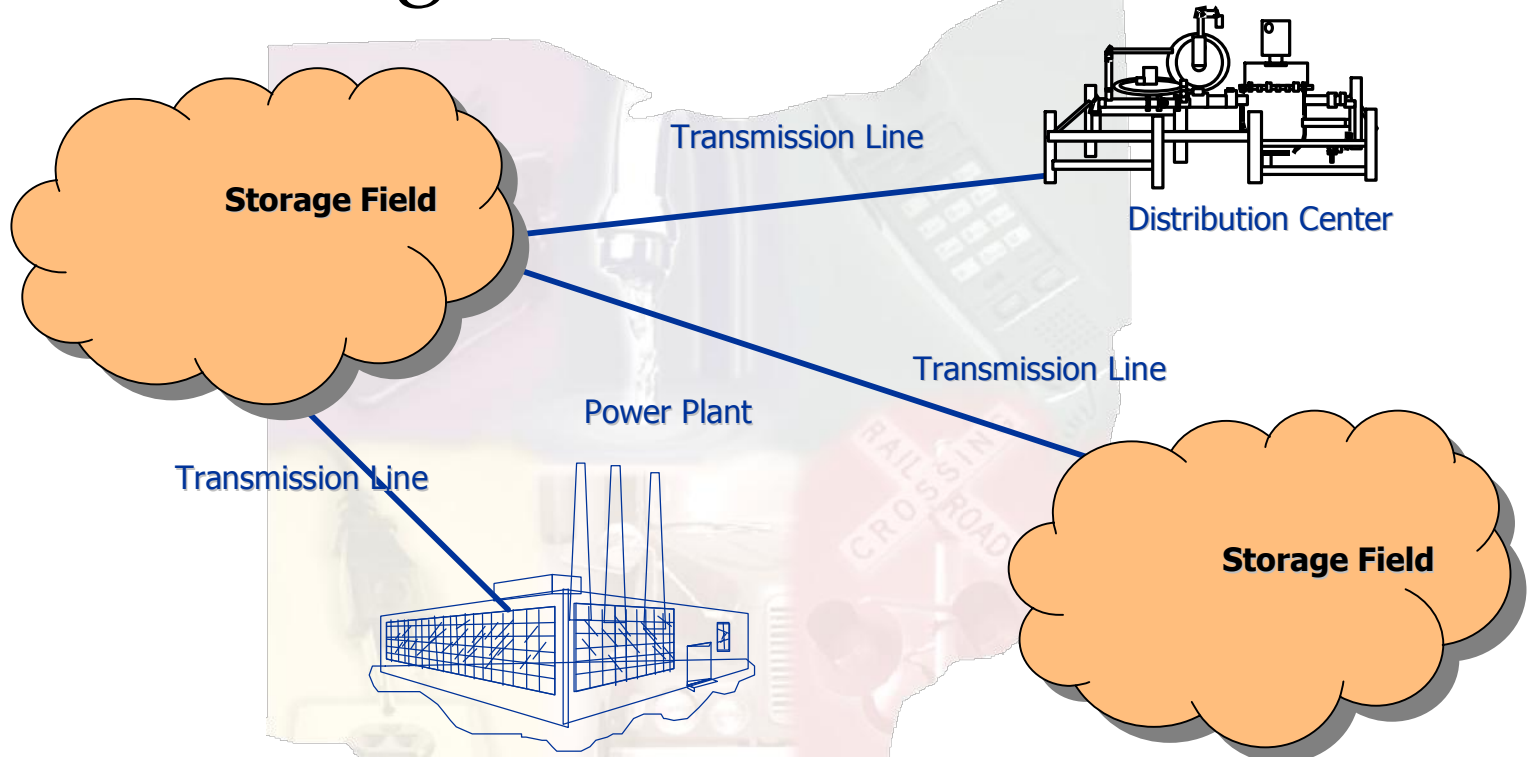
- "Transmission line" means a pipeline, other than a gathering line, that:
 - **(1) Transports gas from a gathering line or storage facility to a gas distribution center, storage facility, or large volume customer that is not down-stream from a gas distribution center;**
 - **(2) operates at a hoop stress of 20 percent or more of SMYS; or**
 - **(3) transports gas within a storage field.**

Note: A large volume customer may receive similar volumes of gas as a distribution center, and includes factories, power plants, and institutional users of gas.

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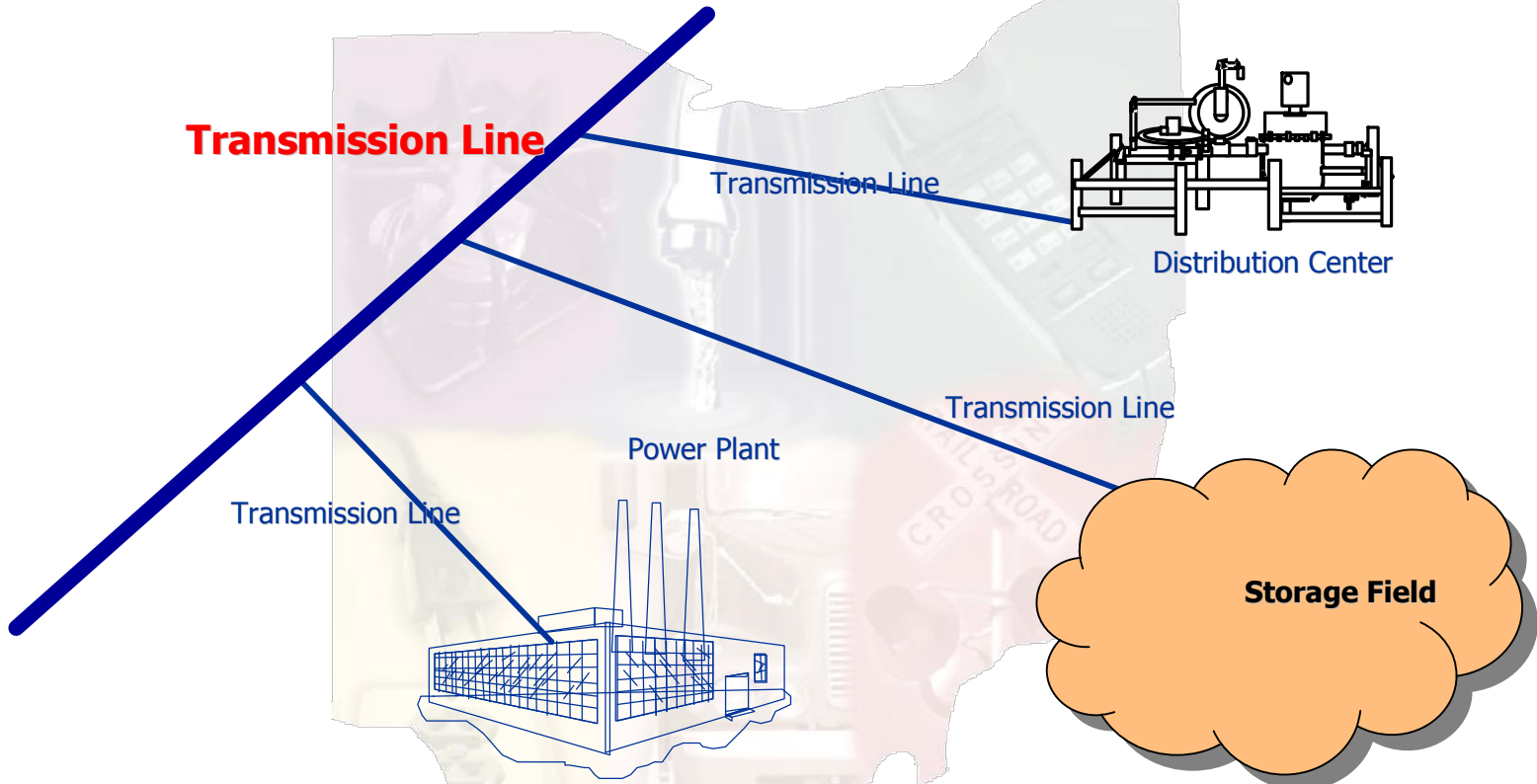
Storage To Transmission



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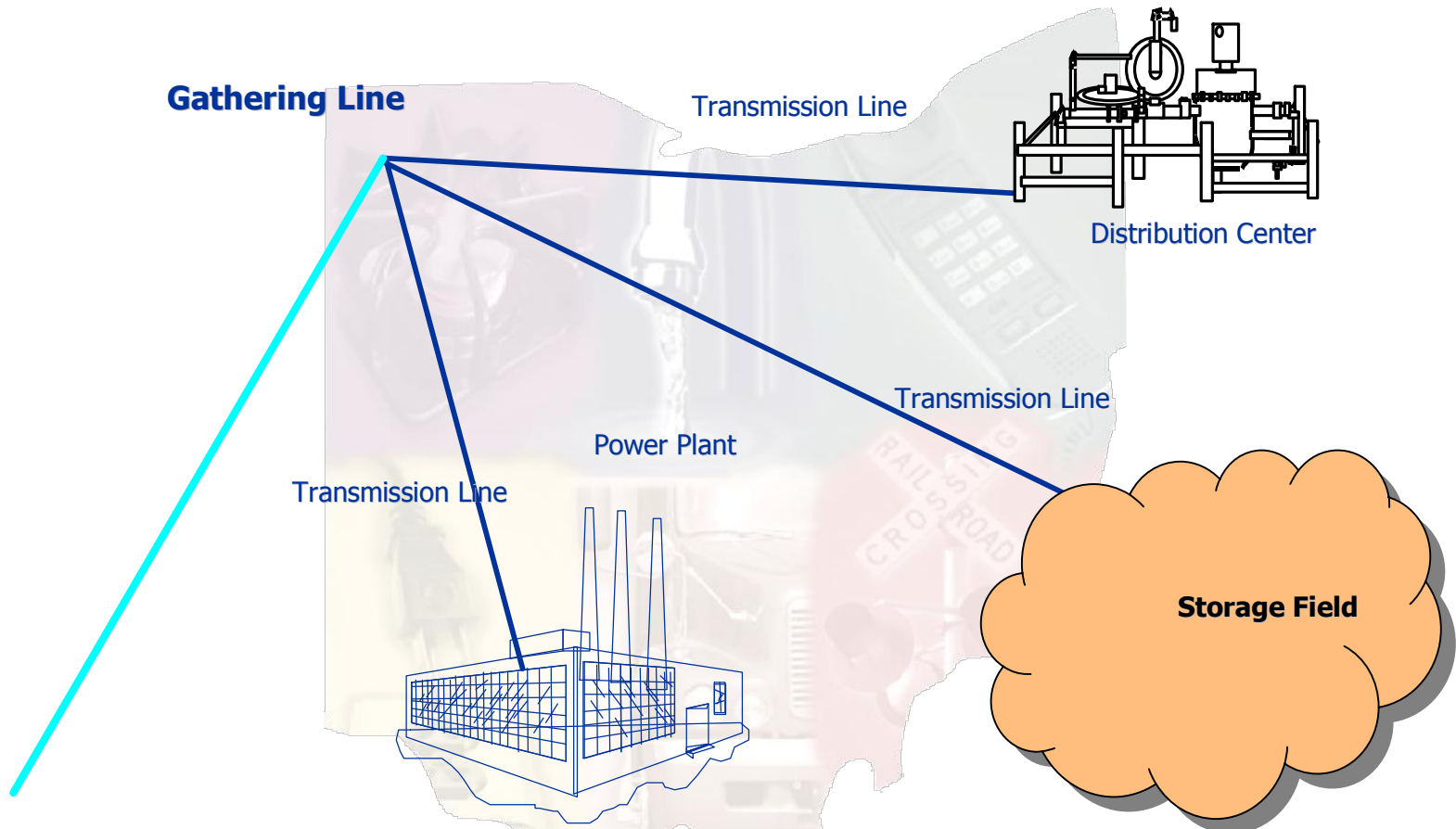
Transmission to Transmission



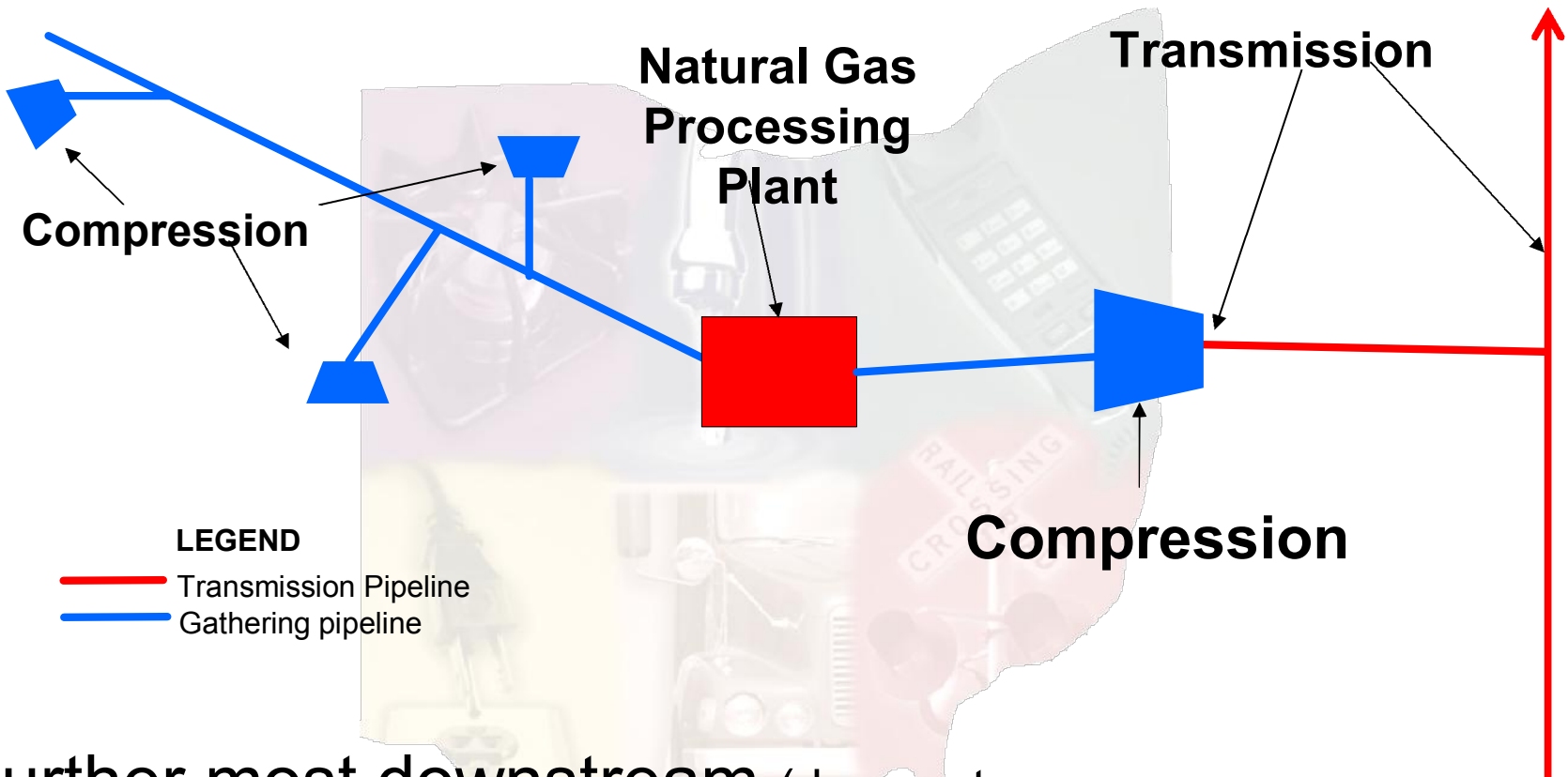
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Gathering Lines To Transmission



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LEGEND
— Transmission Pipeline
— Gathering pipeline

Further most downstream (does not include a separator or a drip).....

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Distribution Center (City Gate)

- Distribution Center is a point of transfer between the transmission pipeline and the distribution company. It **must** contain pressure controlling devices (i.e. M/C or relief devices) meeting the requirements of 192.199 and 192.201 **AND**
- The pipeline downstream:
 - must be under 20% SMYS. **AND**
 - customers who consume the gas for their own use and are serviced by the company owning the mainline (i.e. billing, operate, maintain, and provide emergency response)

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Transmission/MAOP Issue

- **Exception:**

If the MAOP at the point of transfer is the same as the upstream MAOP and no overpressure protection devices are necessary, then the transmission line ends at the first customer (as defined earlier) downstream from the point of transfer.



Key to Diagrams

- **RED Lines** = Transmission
- **Green Lines** = Distribution
- **X**= Point of transfer- designated by each operator
- **M**= is a meter
- **R**= overpressure protection devices

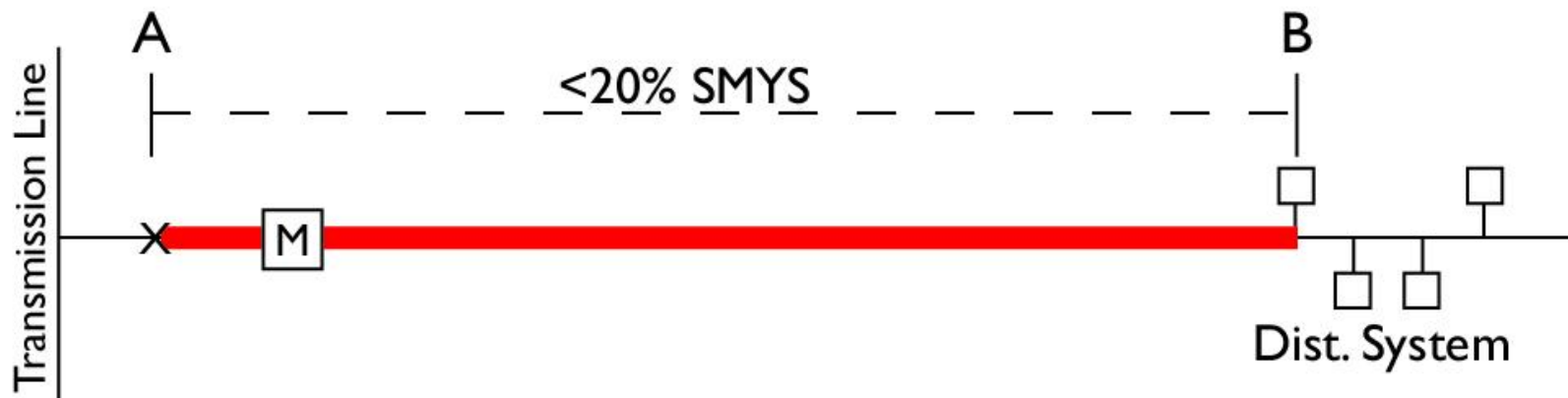


Plastic Lines

- Note: These diagrams are for transmission line definition. Plastic lines must be considered for all situations based on the use of the line and the operating pressure.



Transmission A-B

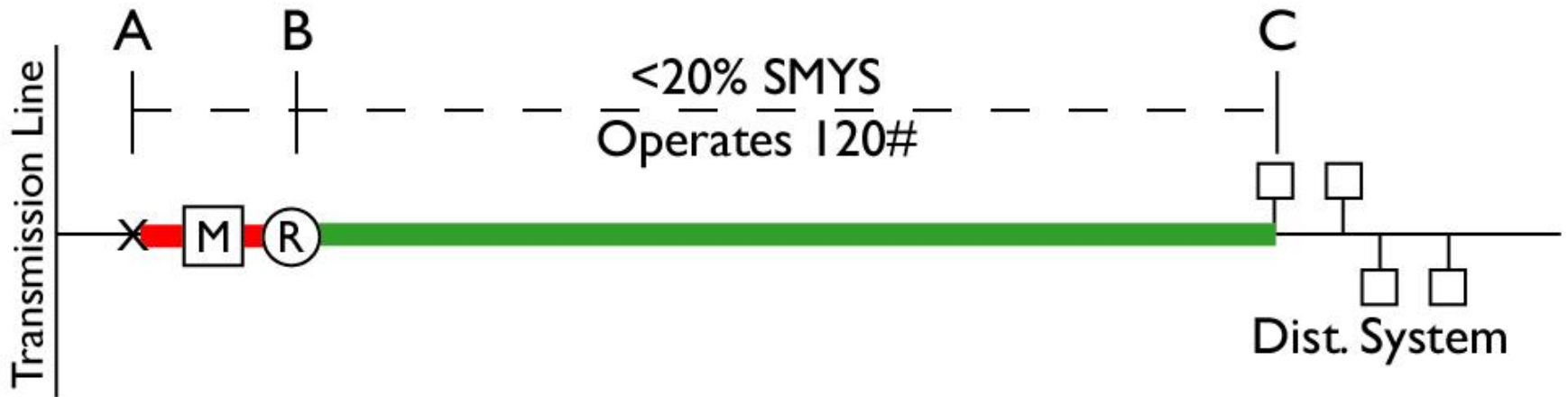


- **Would this situation ever occur with a plastic pipeline?**

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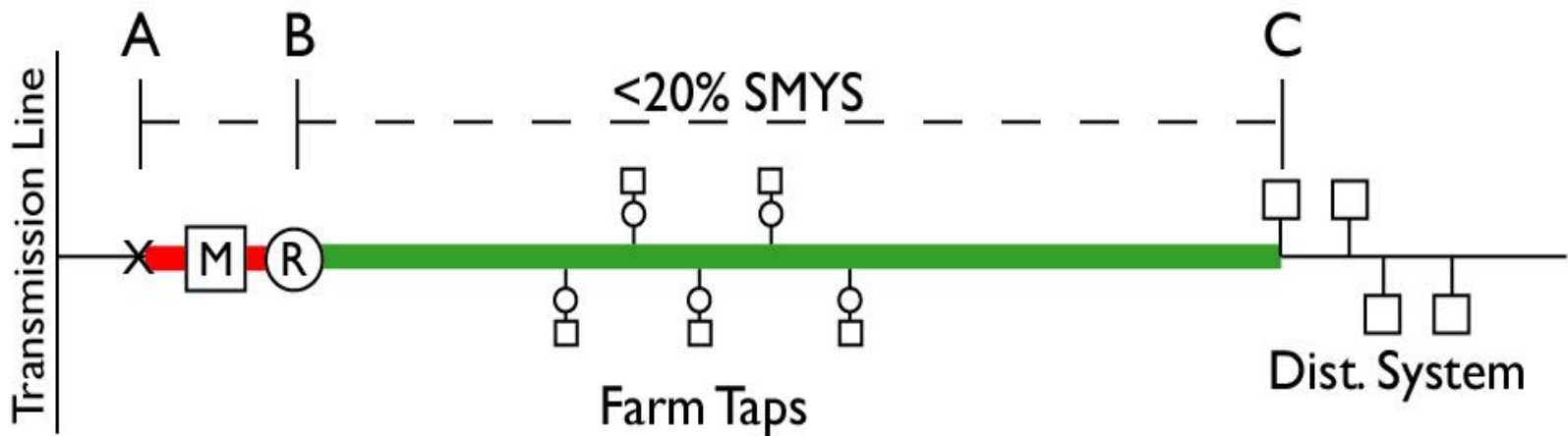
Transmission A-B Distribution B-C Plastic- Transmission A-C



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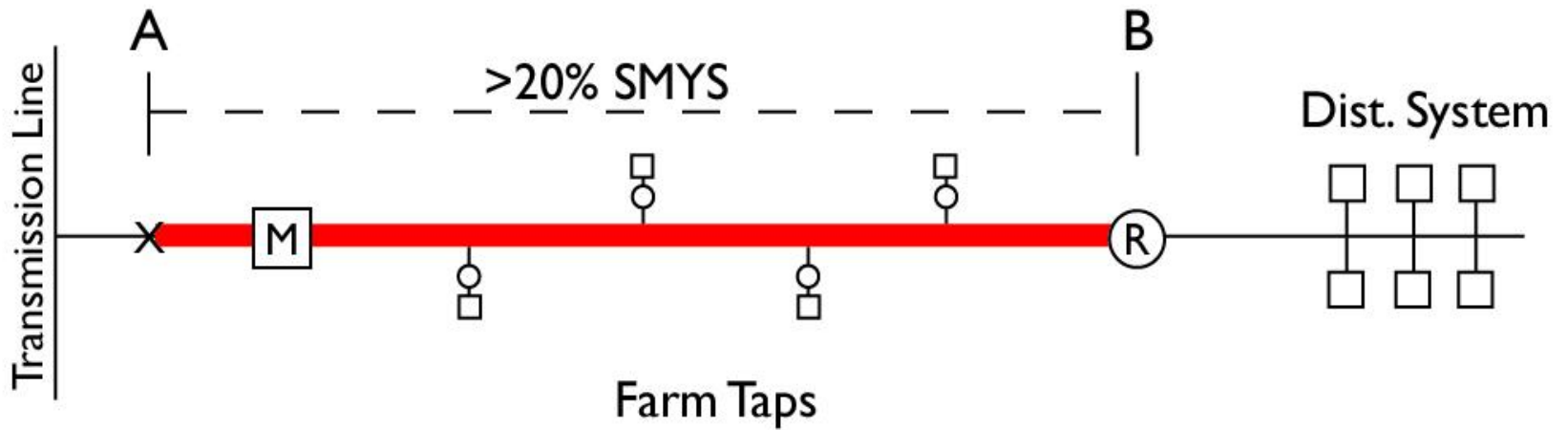
Transmission A-B Distribution B-C



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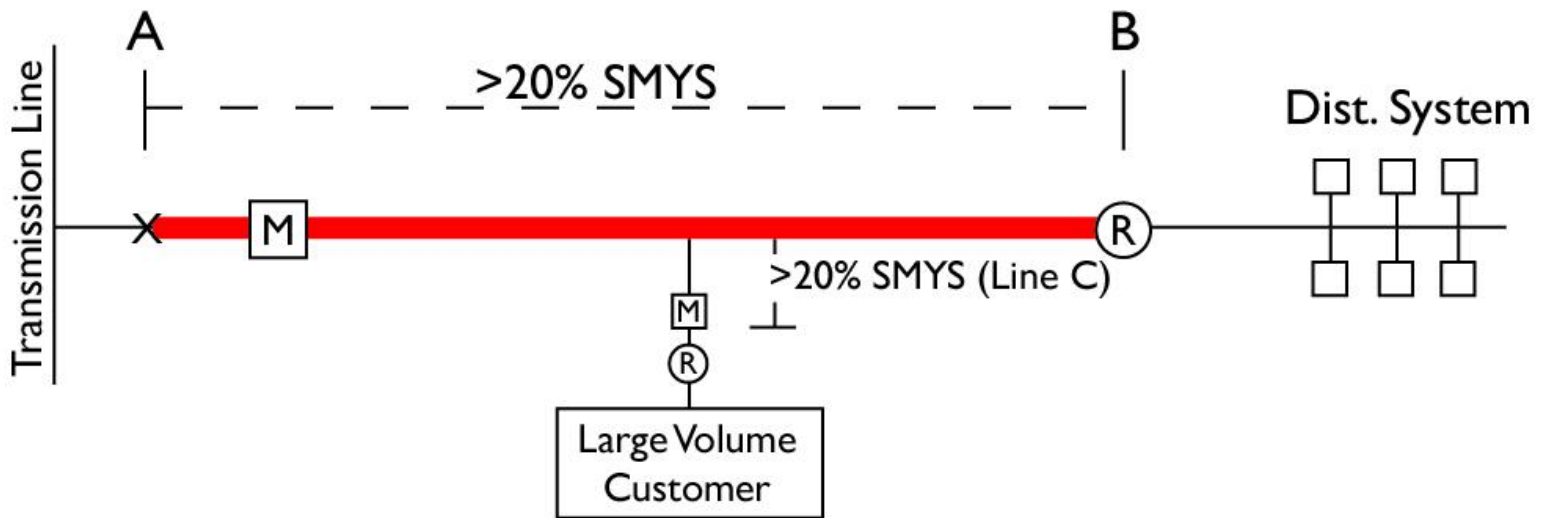
Transmission A-B



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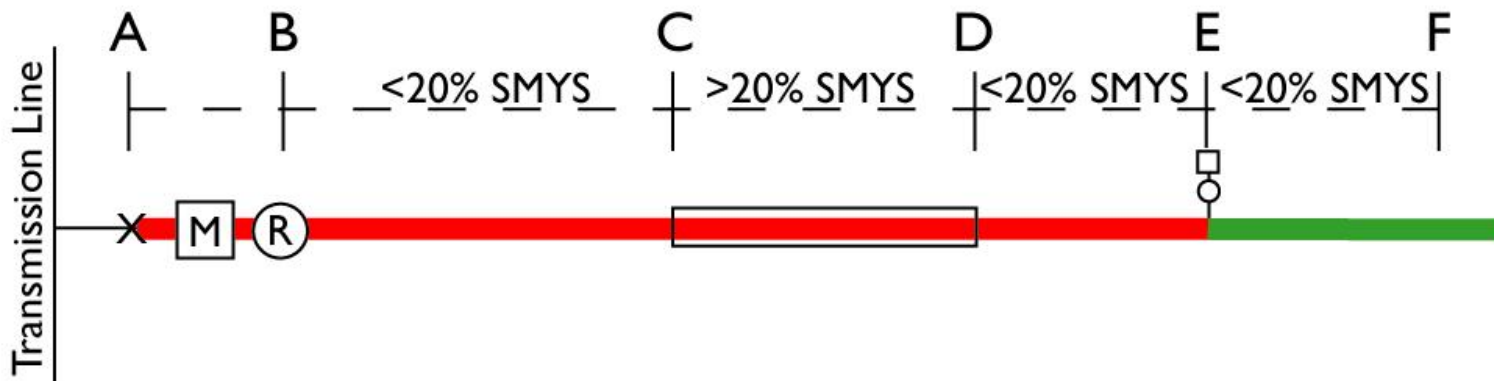
Transmission A-B



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Transmission A-E

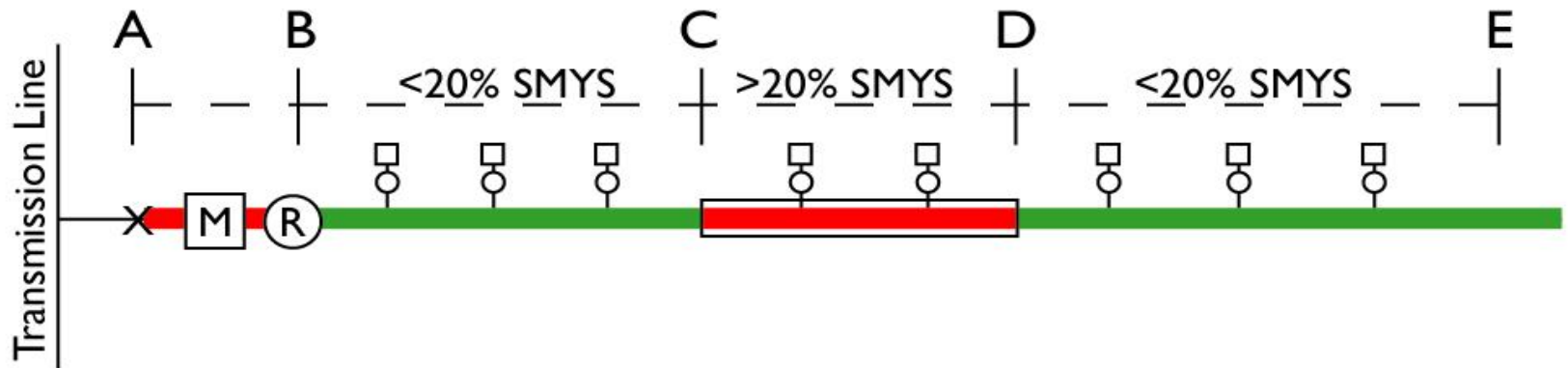


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Transmission A-B/C-D

Distribution B-C/D-E



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