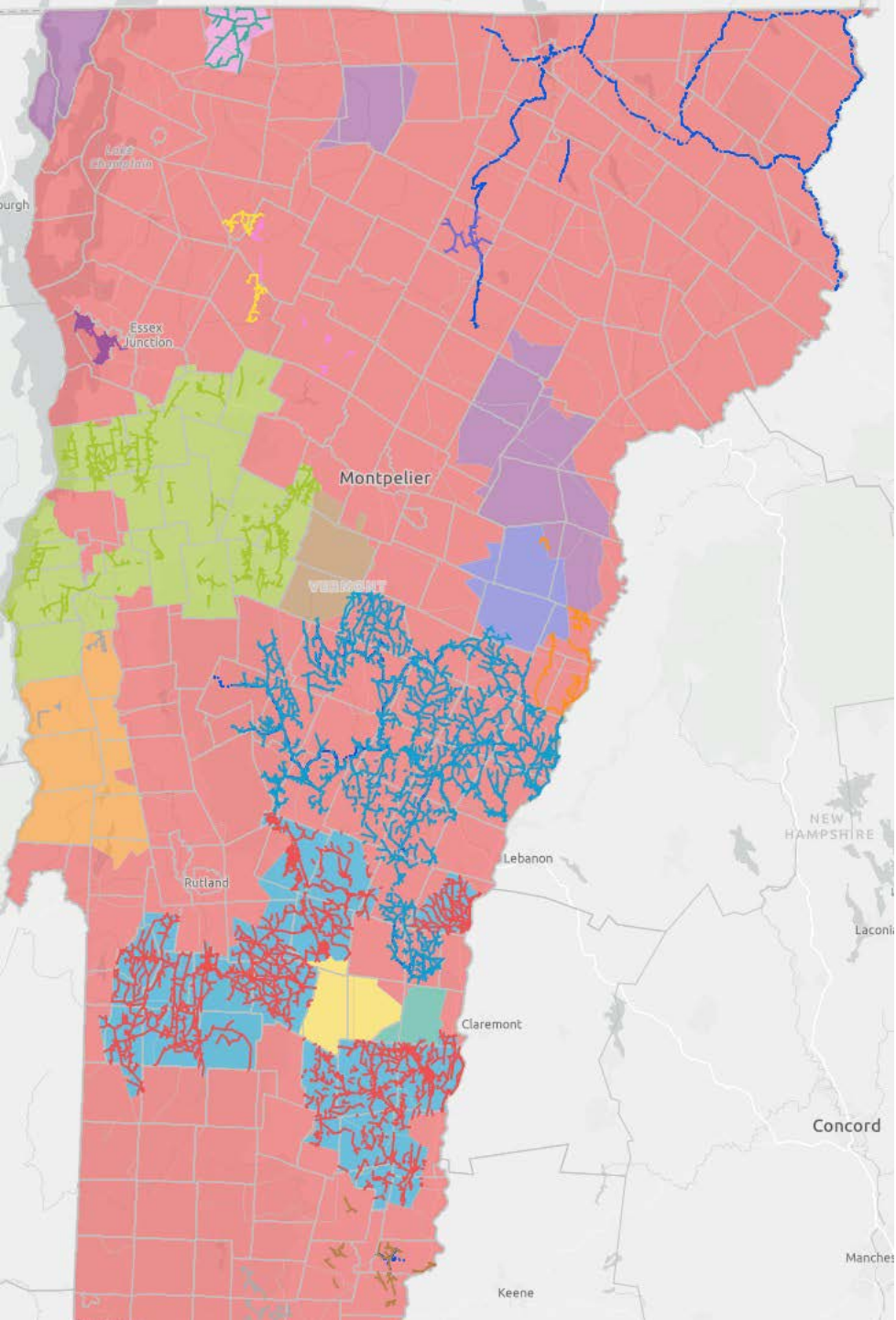


Vermont Communications Union Districts Association

- VCUDA encourages legislators to evaluate all legislative proposals using two guidestars:
 - Strategy: Does it match with the declared strategy of the state to make universal 100/100 broadband available?
 - Resources: Does it provide or prepare for resources equal to the challenge?



The Goal: Statewide World Class Broadband ($\geq 100/100$)

- FTTP only technology certain to deliver.
- Colors indicate phone company areas -- most of the state, the salmon color, is CCI, the landline phone exchanges once owned by New England Telephone.
- Lines indicate where FTTP is available now.
- Example: VTel delivers to most of its “plain old telephone service (POTS)” landline exchanges (red lines).
- Example: ECFiber is built mostly in CCI territory (blue lines).
- We need to get to the point where “lines” are everywhere

Challenge\$\$\$\$\$

An informed estimate of what it will cost to cover the state with fiber over a 5 to 7 year period (eventually paid for by revenue)

Item	Amount	Notes
Miles	10,212	Excludes fiber areas and dense towns that incumbents will serve
Premises	237,223	
Preconstruction	\$63,333,000	Includes pole data, design, and makeready
Construction	\$296,153,000	Includes cost of premises drops and equipment at 5 customers per mile
Total	\$359,486,000	Delivers FTTP statewide and connects 50,000 customers. Does not address affordability, this is for availability only

The Product

• World Class Broadband

- Fiber-Optic Infrastructure is Future-Proof
- Installed Plant has 50 year lifetime well in excess of even 30 year bonds
- Symmetrical service – upload and download same
- 800/800 now; 5000/5000 (like everyone in Hong Kong has) coming
- “Neighborhood slowdown” – just doesn’t happen in the real world
- WiFi calling, multiple Zoom meetings, multiple streamers and gamers – all the contention issues go away

Questions?

Vermont's Communications Union Districts

*Laying the infrastructure
for a world
that is coming
faster than we expected*

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Chair, VCUDA Governing Board