

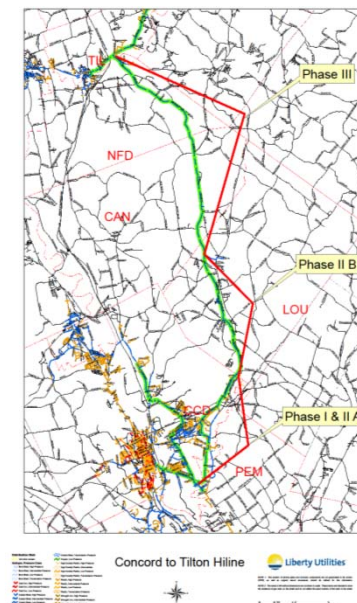
## Concord to Tilton Hi line



### Project Phases

Designed in 2003 By Keyspan Energy, this 12" steel pipeline will be constructed with a MAOP of 300 psi

- Phase I , 2003 - Broken Bridge Rd  
Concord to Break O Day Rd.  
Concord (5.1 mi )
- Phase II "A" 2004- Break O Day Rd  
Concord to Josiah Bartlett Rd ,  
Loudon ( 1.8 mi)
- Phase II - "B" 2016 Josiah Bartlett  
Rd < Loudon to Shaker Rd ,Loudon  
(5.5 mi)
- Total 12" after phase II "B" = 12.4
- Phase III – Shaker Rd , Loudon to  
Operations facility in Tilton (10 mi)



## Phase II “B”

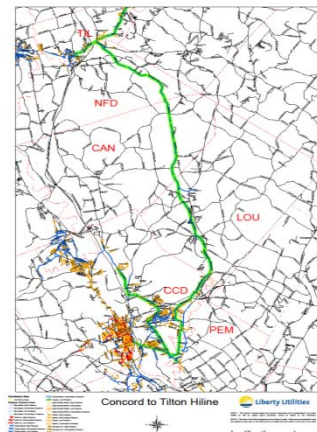
- 4 - 100' directional bores. 2 under Route 106 consisting of 16" casing at a min 10' depth & 2 others at Route 129 and Chichester Rd.
- 3 –environmental directional drills 1280' & 1400' under the Soucook River & 350' under Shaker Brook
- 2 private easement required 1 within an existing pole line easement at Cascade Campground & one at the Shaker brook crossing.

## Loads & Capacity

Peak Conditions  
Existing Load & Capacity

- Lakes region Load= 500 MCF
- Pipe capacity = 190 MCF
- Plant capacity = 350 MCF
- Total = 540 MCF

Existing Facility  
6.9 mi of 12" & 15.5 mi of 6"



## History / Capacities

Installed in 1964 by Gas Service Inc.

- 22.5 miles of 6" coated steel .154 & .141 wall @ 200 psi MAOP with a capacity of 168 MCF
- Today's capacity with combined 12" and 6" @ 200 psi MAOP = 190 MCF
- Capacity with next 5.5 miles of 12" @ 200 psi MAOP = 260 MCF
- Capacity with all 22.5 miles of 12" @ 200 psi MAOP = 1129 MCF
- Capacity of 22.5 miles of 12" @ 300 psi MAOP = 1827 MCF

