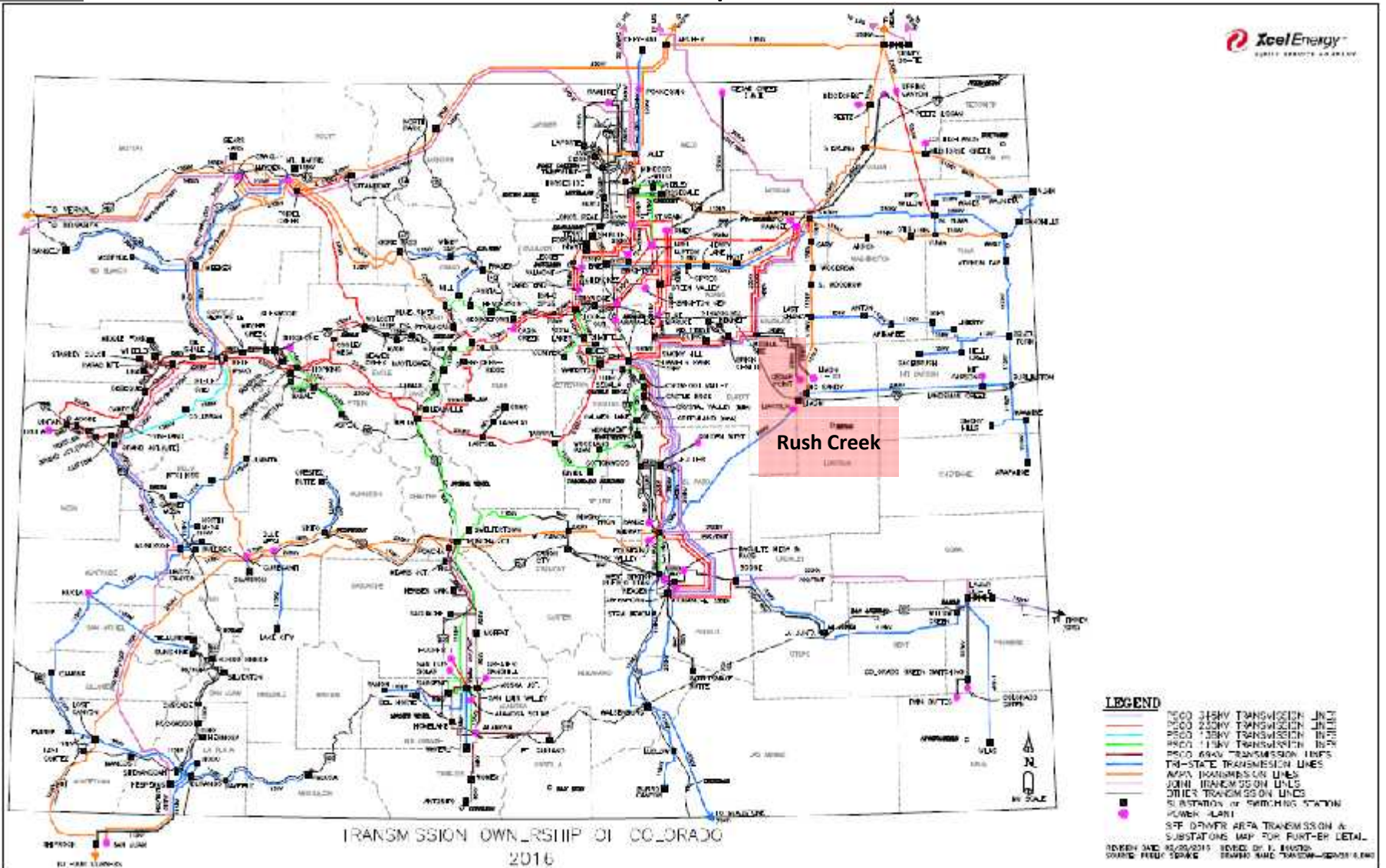


Colorado Coordinated Planning Group Rush Creek Task Force

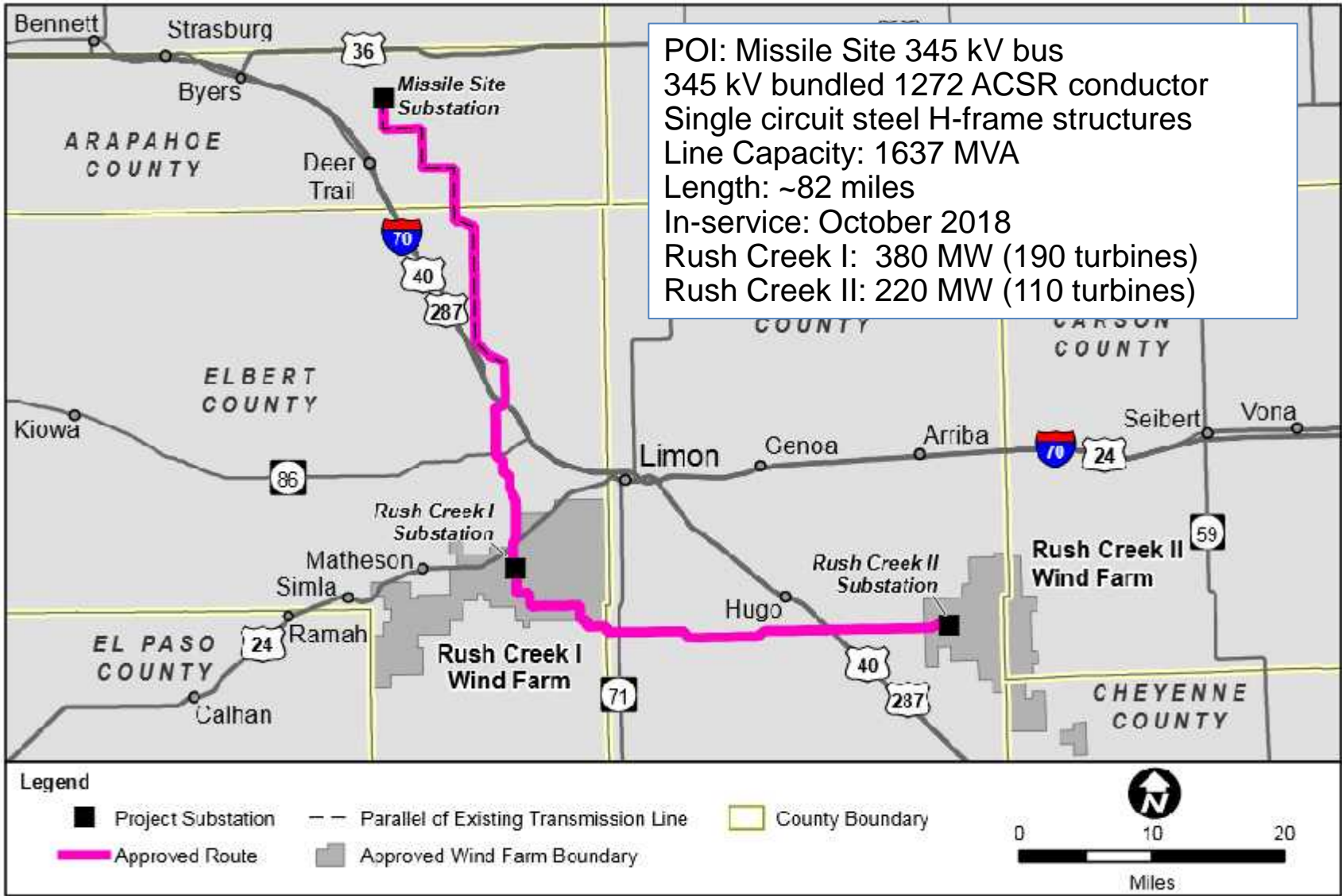


CCPG Meeting
December 7, 2017

Transmission Ownership Colorado – 2016



Transmission Plan

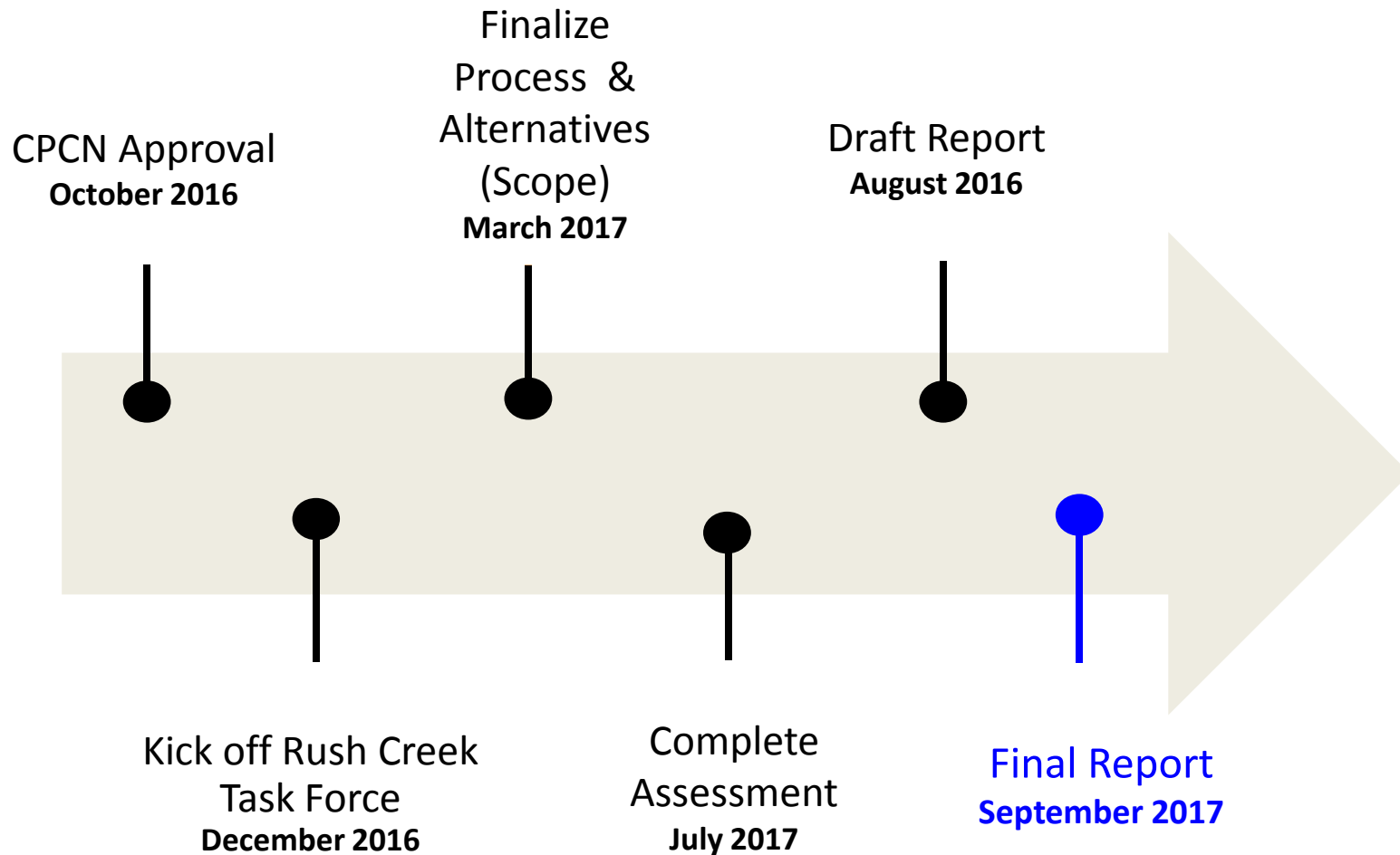


POI: Missile Site 345 kV bus
 345 kV bundled 1272 ACSR conductor
 Single circuit steel H-frame structures
 Line Capacity: 1637 MVA
 Length: ~82 miles
 In-service: October 2018
 Rush Creek I: 380 MW (190 turbines)
 Rush Creek II: 220 MW (110 turbines)

Task Force Scope

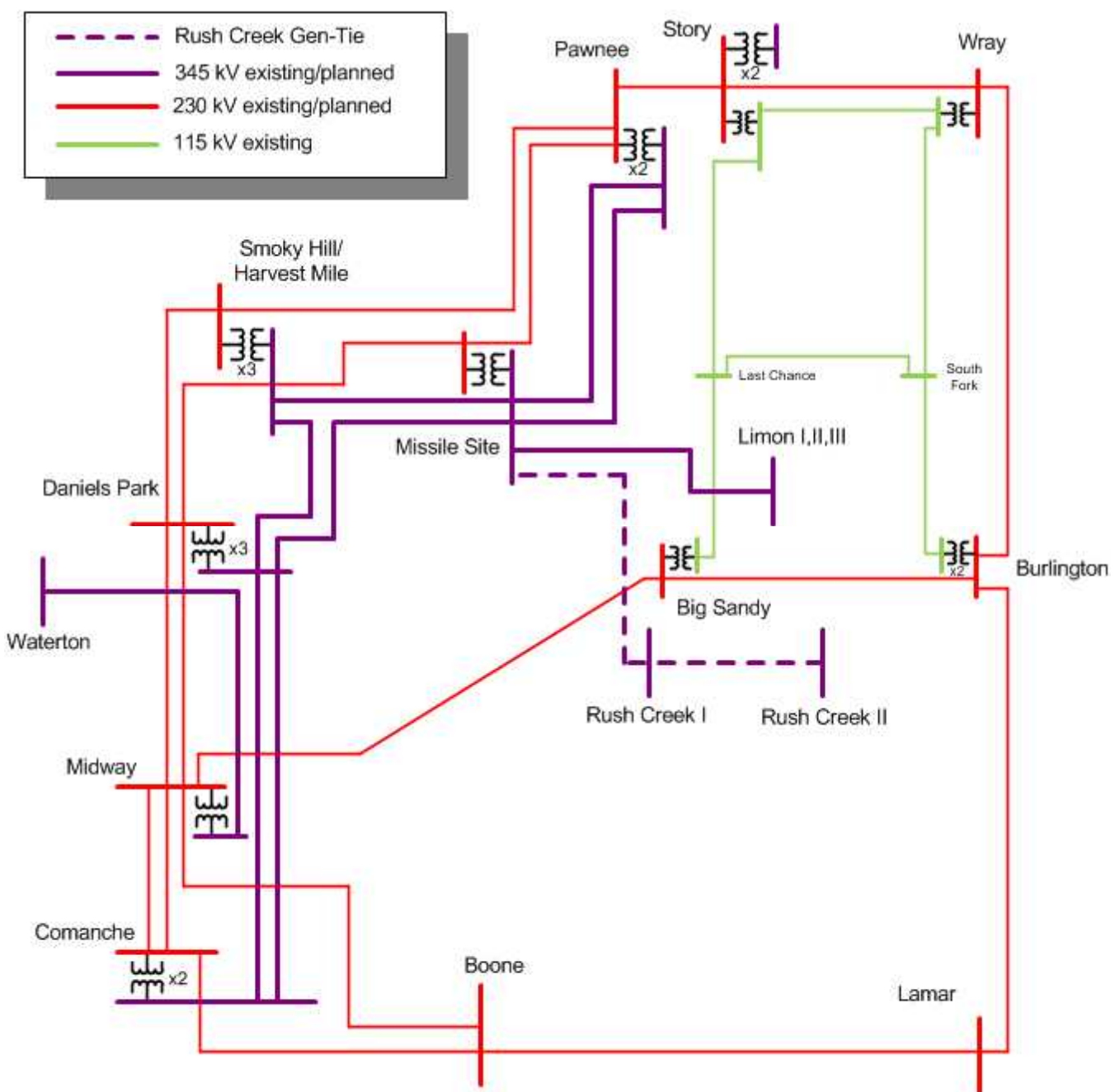
- Evaluate Alternative Proposals to Integrate the planned Gen-Tie as a Network Facility
- PSCo to Provide Leadership & Resources
- Develop Potential Alternatives with Stakeholders
- Perform Transmission Studies
- Publish RCTF Report by September 2017
- Document Results in Rule 3627 Report (PSCo)

Timeline



Alternatives

- Studied alternatives with single or multiple 345 kV line connections to:
 - Burlington
 - Big Sandy
 - Missile Site
 - Limon Wind
 - Daniels Park
 - Comanche-Daniels Park/Midway-Waterton
 - Story
- Total of 18 alternatives considered
 - 14 alternatives studied and project costs estimated



Best Performing Alternatives

- **Alternative 4:** New second line in parallel to the Rush Creek Gen-Tie.
 - ~\$169 Million
- **Alternative 5c:** New 345 kV line from Rush Creek II to Burlington and new 345 kV line to the north, from Rush Creek II to Big Sandy, continuing on the Story.
 - ~\$350 Million
- **Alternative 9:** A new second 345 kV line between the Rush Creek II and Rush Creek I sites and a new 345 kV line Between Rush Creek I and Daniels Park (or new sub south of Daniels Park).
 - ~310 Million
- **Alternative 9a:** Alternative 9 with tie existing Midway – Waterton 345 kV line into the Daniels Park.
 - ~333 Million

Final Report

- First draft report sent to RCTF team for review on August 3rd
- Held two subsequent meetings to discuss the report
 - August 9th
 - August 29th
- Final report completed early September 2017
 - CCPG TP's agreed the report fulfills portions of the Settlement Agreement

Next Steps

- No further actions for the RCTF
- At this time no identified alternative is being pursued further



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