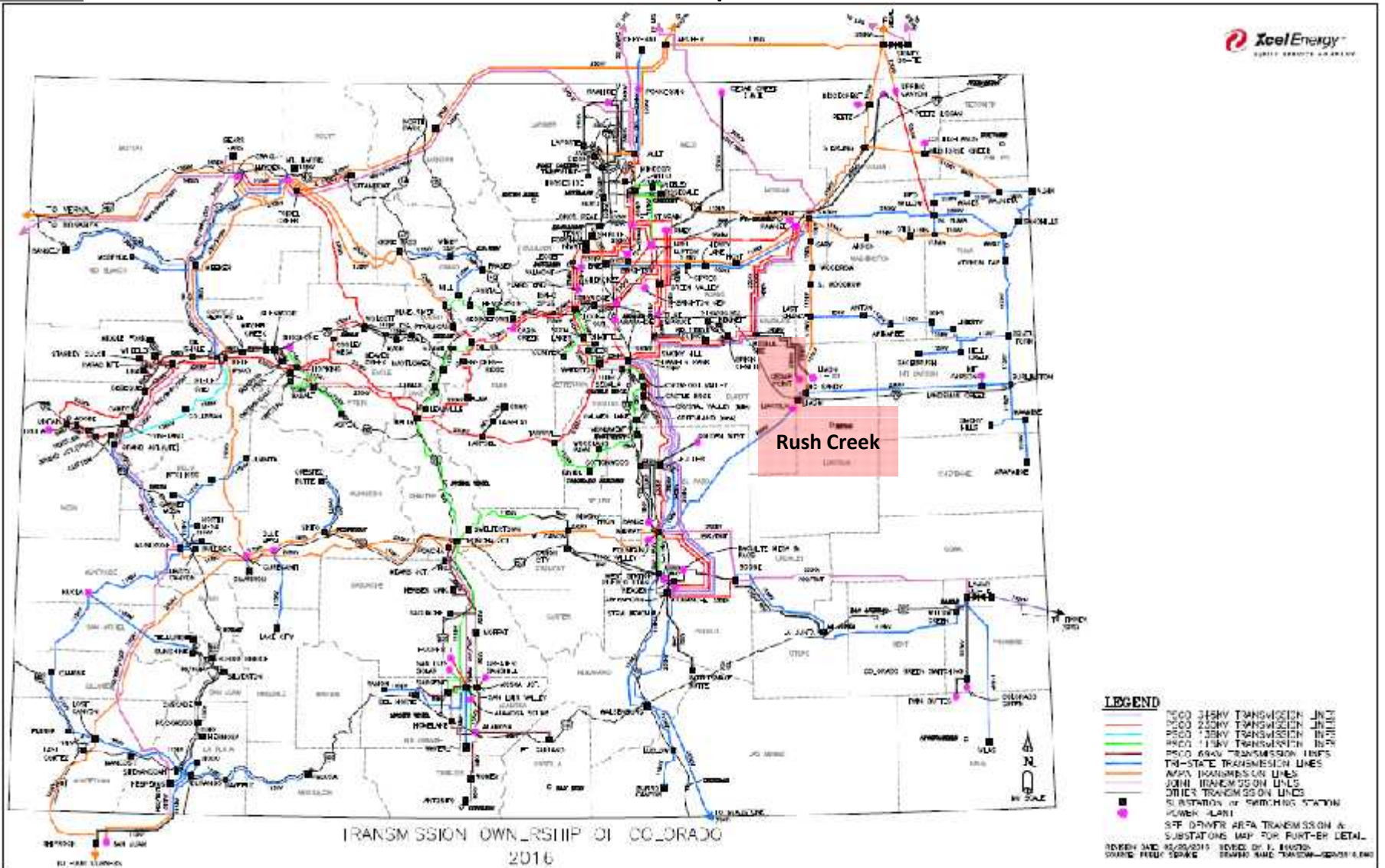


Colorado Coordinated Planning Group Rush Creek Task Force

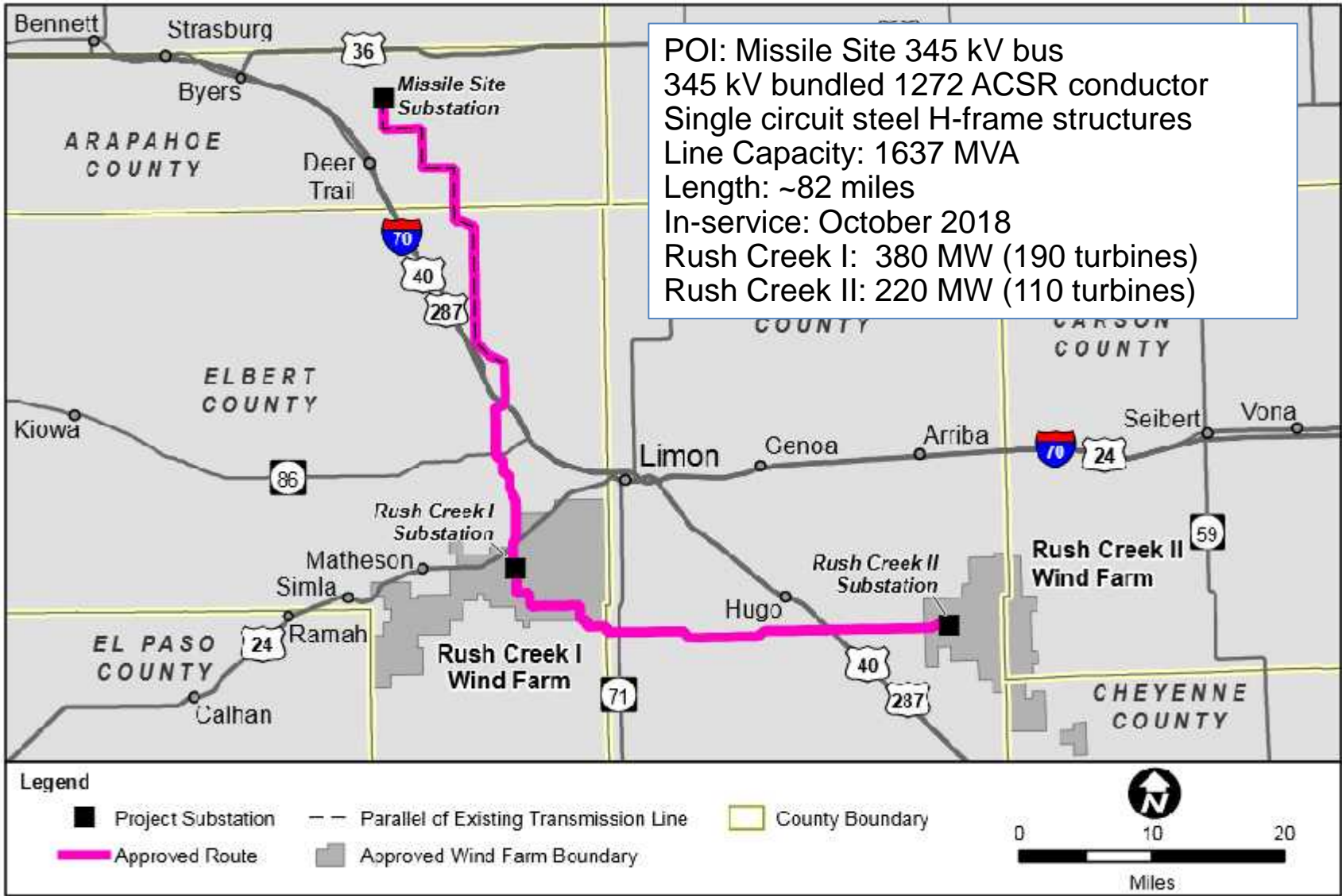


CCPG Meeting
August 17, 2017

Transmission Ownership Colorado – 2016



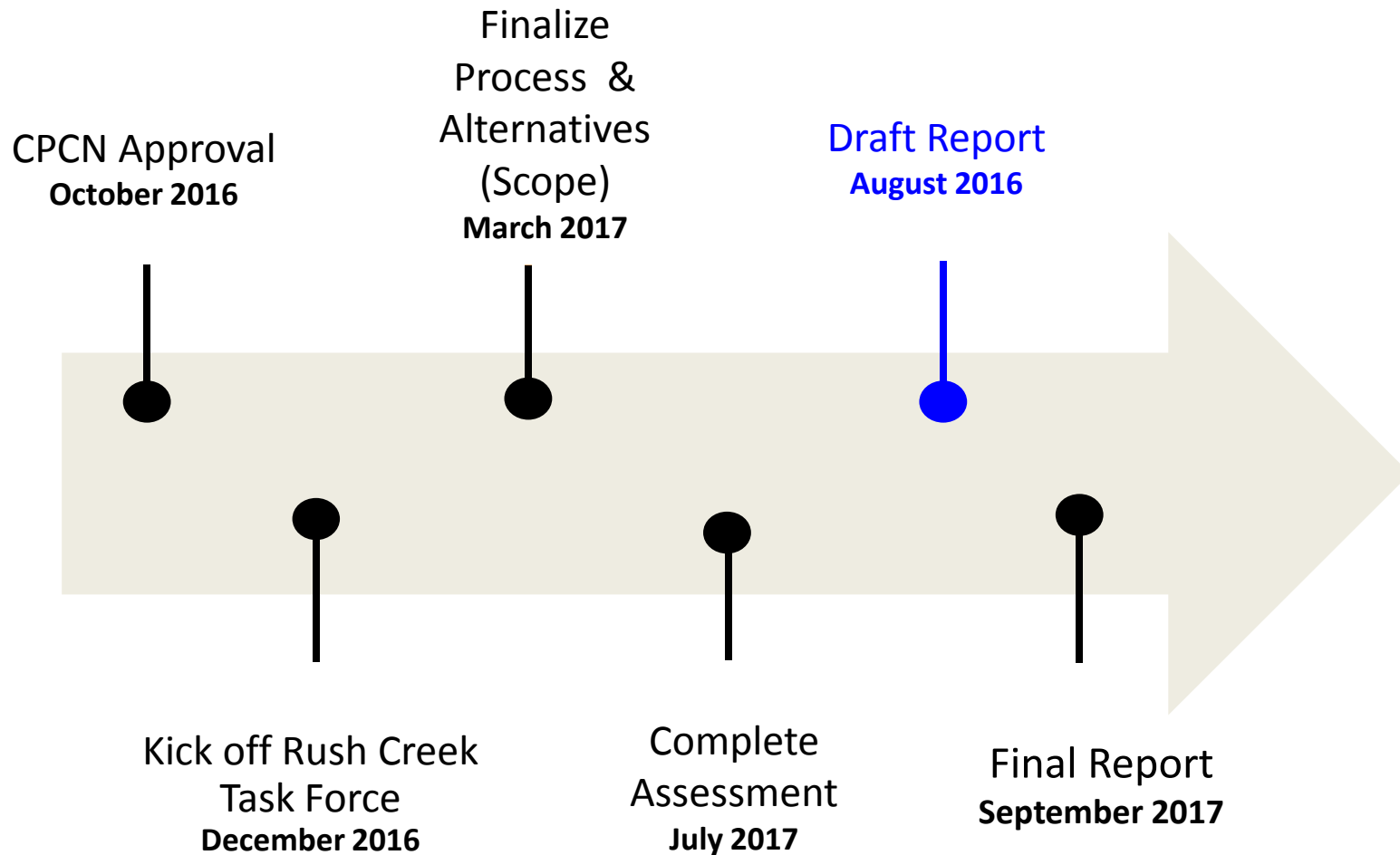
Transmission Plan



Task Force Scope

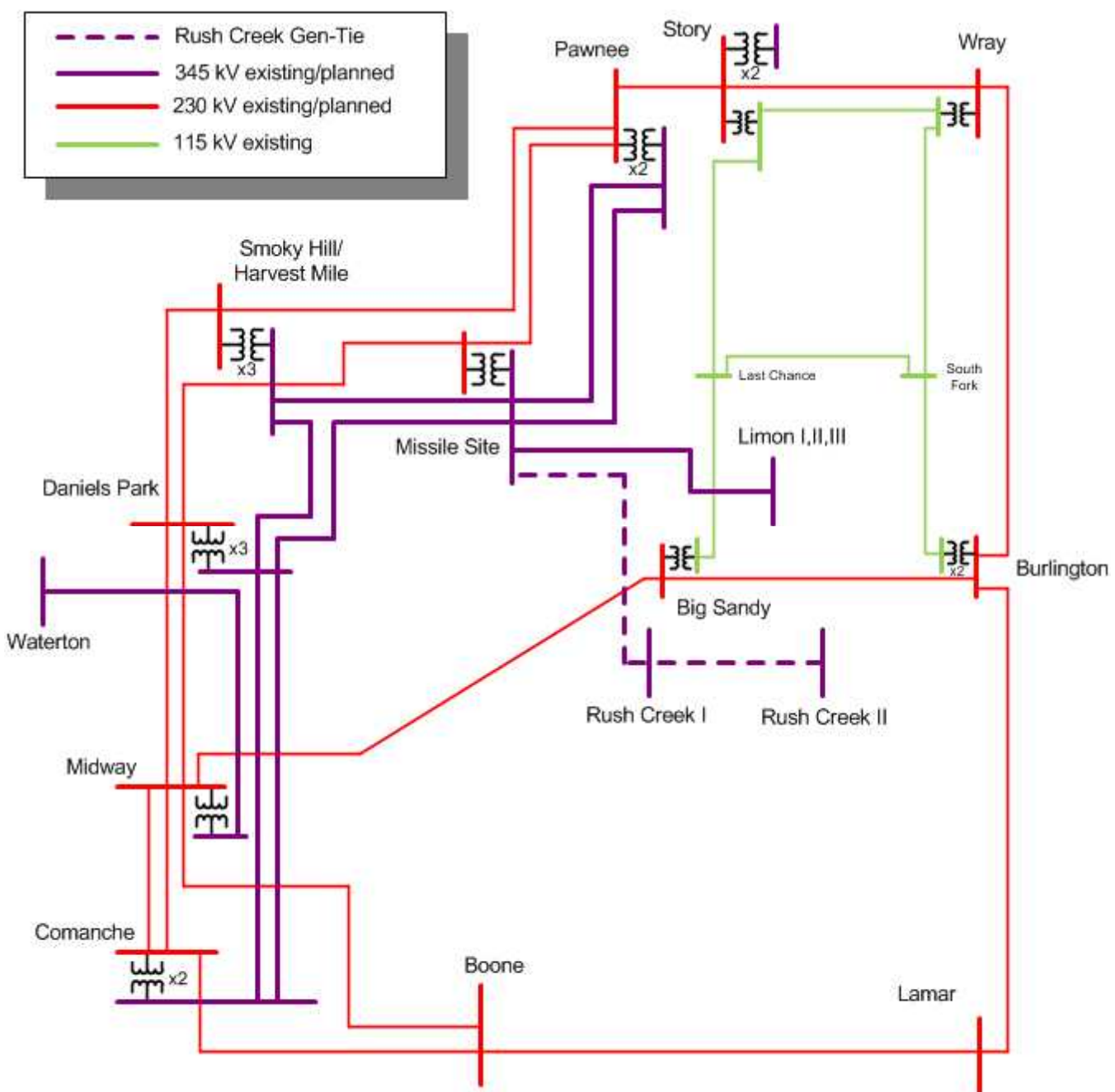
- Evaluate Alternative Proposals to Integrate the planned Gen-Tie as a Network Facility
- PSCo to Provide Leadership & Resources
- Develop Potential Alternatives with Stakeholders
- Perform Transmission Studies
- Publish RCTF Report by September 2017
- Document Results in Rule 3627 Report (PSCo)

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



Study Results

- Alternatives connecting East (Burlington, Big Sandy, Limon)
 - Overloads of Burlington-Bonny Creek, Big Sandy-Last Chance 115 kV, and Missile Site-Limon 345 kV
 - Systems not built to sufficiently handle significant generation
 - \$59M - \$207M
- Alternatives connecting West (Missile Site, Daniels Park)
 - Overloads within Denver Metro 230 kV system
 - Injection capabilities similar or higher than the benchmark case
 - \$169M - \$370M
- Alternatives connecting East or West and North (Story)
 - Appear to have highest potential injection capability and higher cost
 - \$319M - \$540M

Report

- V1 Draft report sent to RCTF team for review on August 3rd
 - Comments received and are under review
- V2 Draft report sent to CCPG for review on August 15th
 - Looking for consensus on the report approach

Remaining Issues

- Cost estimates
- Recommendations
- Light load results
- Benefits

Next Steps

- Last Meeting August 9, 2017
 - Reviewed V1 Draft report
- Review comments and release V3 Draft
- Next Meeting August 29, 2017
 - Discuss and potentially finalize report
 - Send to CCPG for email vote of approval
- Follow up
 - PSCo may initiate conversations
 - 3627 Documentation



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