

**DOCKETED**

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<b>Project Title:</b>	Hydrogen Station Capacity Model (HyC) Workshops
<b>TN #:</b>	223735
<b>Document Title:</b>	Staff Workshop on a Hydrogen Station Capacity Model (HyC) Agenda
<b>Description:</b>	Workshop Agenda
<b>Filer:</b>	Tami Haas
<b>Organization:</b>	California Energy Commission
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**Staff Workshop on a Hydrogen Station Capacity Model (HyC)**  
**California Energy Commission**  
**June 18, 2018**

1:00 PM	Welcome, Introduction, Logistics, and Diversity	Jean Baronas
1:10 PM	Overview of HyC	Danny Terlip
1:45 PM	Hydrogen Refueling Station Configurations Under Consideration for the HyC	Jennifer Kurtz
2:00 PM	Some Example Inputs to the HyC <ul style="list-style-type: none"><li>• Compression</li><li>• Dispensing</li><li>• Pre-cooling</li><li>• Onsite production</li><li>• Delivered hydrogen</li><li>• Storage at each pressure level</li><li>• Others</li></ul>	Danny Terlip
2:30 PM	Initial Assumptions for the HyC Set-up <ul style="list-style-type: none"><li>• No flow restriction outside the dispenser</li><li>• Static ambient conditions</li><li>• Static mass flow rate for dispenser</li><li>• Hydrogen properties according to the National Institute of Standards and Technology (NIST) Reference Fluid Thermodynamic and Transport Properties Database (REFPROP), Version 9</li><li>• Typical hydrogen refueling station operation</li><li>• Simultaneous dispenser can occur from any storage vessel</li><li>• Station is leak free</li><li>• Vehicle filling from pressure equalization (not compressor fills)</li><li>• Static amount per fill</li><li>• Defined successful fill (e.g., &gt;90% ending state of charge (SOC))</li><li>• Defined fill scenarios (e.g., peak hour, back-to-back, 12-hour)</li></ul>	Danny Terlip
<b>3:00 PM</b>	<b>BREAK</b>	
3:15 PM	Some Example Outputs and How They May be Used <ul style="list-style-type: none"><li>• Dispensing fill count and amount over a pre-defined time and demand profile</li><li>• Vehicle fill ending SOC</li><li>• Comparison to baseline station capacity</li></ul>	Danny Terlip
3:30 PM	Estimated timeline for the HyC project	Jennifer Kurtz
3:45 PM	Public Discussion	All
4:00 PM	Adjournment	All