



February 4–5, 2020

SoCalGas Energy Resource Center, Downey, CA

Agenda

**Tuesday, February 4, 2020**

| <b>Time</b> | <b>Session</b>  | <b>Presenter</b>  |
|-------------|---|---|
| 8–8:30      | <i>Continental Breakfast</i>  |   |
| 8:30–8:50   | Welcome, Introductions, and Agenda Review                                       | John Gonzales – National Renewable Energy Laboratory (NREL) |
| 8:50–9:05   | NGVTF – U.S. Department of Energy (DOE) Update                                  | Dennis Smith – DOE EERE VTO                                 |
| 9:05–9:20   | California Energy Commission (CEC) Natural Gas R&D Program Overview             | Peter Chen – CEC  |
| 9:20–9:50   | Southern California Gas Company: Who We Are and Our 2020 Initiatives and Vision | Michelle Sim – Southern California Gas Company              |
| 9:50–10:10  | <i>Break</i>  |   |
| 10:10–10:40 | Natural Gas Pathways, Vehicles, Storage, and Infrastructure Discussion          | Rey Gonzalez – CEC and Dennis Smith – DOE EERE VTO          |
| 10:40–11:40 | DOT Fuel Tank Integrity Codes and Standards                                     | Lou Browing – ICF NREL                                      |
| 11:40–1     | <i>Lunch – Networking</i>   |   |
| 1–1:30      | DOE FOA Awards  | Margo Melendez – NREL                                       |
| 1:30–2:20   | Multi-Laboratory Natural Gas research   | Brad Zigler – NREL  |
| 2:20–3      | Cummins Heavy Duty engine update  | Yemane Gessesse – Cummins Westport                          |
| 3–3:30      | Advanced Ultra-Low Emission Natural Gas Engines in Port Yard Trucks             | Patrick Couch – Gladstein, Neandross, and Associates        |
| 3:30–4      | <i>Break</i>  |   |
| 4–4:30      | Natural Gas Heavy Duty In-Use Emissions Study                                   | Sam Cao – South Coast Air Quality Management District       |
| 4:30–5      | DOE is Listening – DOE Listening Feedback Session                               | Dennis Smith – DOE EERE VTO and John Gonzales – NREL        |

**Wednesday, February 5, 2020**

| <b>Time</b> | <b>Session</b>  | <b>Presenter</b>  |
|-------------|---|---|
| 8–8:30      | <i>Continental Breakfast</i>                                    |   |
| 8:30–8:35   | Introduction and Agenda Review                                  | Jeff Clarke – NGVAmerica  |
| 8:35–8:45   | Introduction to End of Life Natural Gas Tank Testing            | Aaron Williams – NREL   |
| 8:45–9:20   | Natural Gas Tank Testing and Results                            | Brian Burks – Digital Wave  |
| 9:20–9:50   | Summary of Natural Gas Tank Testing and Recommendations         | Aaron Williams – NREL   |
| 9:50–10:20  | <i>Break</i>  |   |
| 10:20–11    | Foothill Transit study  | NREL – Leslie Eudy  |
| 11–11:30    | Trends and Issues Associated with Renewable Natural Gas         | Marianne Mintz – Argonne National Laboratory                              |
| 11:30–12    | Vehicle Incidents and Lessons Learned                           | Jeff Clarke – NGVAmerica  |
| 12–12:50    | <i>Lunch – Networking</i>                                       |   |
| 12:50–1:20  | ISX12G to D-EGR   | Michael Kocsis – Southwest Research Institute                             |
| 1:20–1:55   | Natural Gas Fueling, Gas Expanding Technology                   | Ted Barnes – Gas Technology Institute (GTI)                               |
| 1:55–2:25   | Validation of Natural Gas Models Used in AltRAM                 | Myra Blaylock – Sandia National Laboratories                              |
| 2:25–2:55   | Adsorbed Natural Gas Technology Discussion                      | Billy-Paul Holbrook and Peter Barber – Ingevity                           |
| 2:55–3:10   | <i>Break</i>  |   |
| 3:10–4      | Open Issues and General Discussion                              |   |
| 4–4:30      | Issues, Key Points, Next Steps, and Priorities for Next Meeting | John Gonzales – NREL, Dennis Smith – DOE EERE VTO, and Rey Gonzalez – CEC |