

**2017 Microgrid Controller Procurement**

**Test results - Run #51**

October 28th , 2017

**10 min run – PHIL – sequence #9**

**Fault loc 1 disabled**

**NREL is a national laboratory of the U.S. Department of Energy Office of Energy Efficiency & Renewable Energy**

**Operated by the Alliance for Sustainable Energy, LLC**

Table of Contents

[1 Key Performance Parameters 2](#_Toc494779529)

[1.1 Final results 2](#_Toc494779530)

[1.2 KPP8 4](#_Toc494779531)

[1.3 KPP1 5](#_Toc494779532)

[1.4 KPP2 6](#_Toc494779533)

[1.5 KPP3 7](#_Toc494779534)

[1.6 KPP4 8](#_Toc494779535)

[1.7 KPP5 9](#_Toc494779536)

[1.8 KPP6 11](#_Toc494779537)

[1.9 KPP7 12](#_Toc494779538)

[2 Additional detailed data analysis 14](#_Toc494779539)

[2.1 Feeder 1 overview 14](#_Toc494779540)

[2.2 Feeder 2 overview 15](#_Toc494779541)

[2.3 Feeder 3 overview 16](#_Toc494779542)

[2.4 Feeder 4 overview 17](#_Toc494779543)

[3 Devicewise plots 18](#_Toc494779544)

[3.1 Generator 1 18](#_Toc494779545)

[3.2 Generator 2 19](#_Toc494779546)

[3.3 Generator 3 20](#_Toc494779547)

[3.4 ESS1 21](#_Toc494779548)

[3.5 ESS2 22](#_Toc494779549)

[3.6 PV1 23](#_Toc494779550)

[3.7 PV2 24](#_Toc494779551)

[3.8 CB control 25](#_Toc494779552)

1. Key Performance Parameters
   1. Final results
   2. Test sequence
   3. KPP8
   4. KPP1
   5. KPP2
   6. KPP3
   7. KPP4
   8. KPP5
   9. KPP6
   10. KPP7
2. Additional detailed data analysis
   1. Feeder 1 overview
   2. Feeder 2 overview
   3. Feeder 3 overview
   4. Feeder 4 overview
3. Devicewise plots
   1. Generator 1
   2. Generator 2
   3. Generator 3
   4. ESS1
   5. ESS2
   6. PV1
   7. PV2
   8. CB control