This report documents the general activities completed by APS related to aircraft ground deicing research in the winter of 2011-12. The activities documented in this report were carried out in addition to the main research projects completed in the winter of 2011-12, which are documented in separate reports. The thirteen activities described in this report are listed below.

1. Development of Light Snow and Very Light Snow Holdover Times for Type II and Type IV Fluids (Section 2);
2. Pre-Takeoff Contamination Inspection/Check (Section 3);
3. Windshield Washer Fluids for Frost De/Anti-Icing (Section 4);
4. Evaluation of Sensor for NowCasting Active Frost (Section 5);
5. Exploratory Wind Tunnel Aerodynamic Research (Section 6);
6. Analysis of Visibility vs. Snowfall Intensity Data for FAA (Section 7);
7. Non-Precipitation Type Dependent Regression Curves for LWE/HOTDS (Section 8);
8. Support for Developing the Use of Ice Detection Cameras at End-of-Runway (Section 9);
9. Holdover Time Guidelines Website (Section 10);
10. Indexing of Holdover Time Guidelines for Use in Electronic Flight Bags (Section 11);
11. Development of a Performance Specification for Holdover Time Guidelines Software Applications (Section 12);
12. Presentation on Key Aircraft Ground De/Anti-Icing Research Capabilities (Section 13); and
13. Test Procedures, Presentations and Fluid Manufacturer Reports for 2011-12