

PROJECT PLAN

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Designing a field-ready package for Sullivan's wildfire energy transfer sensor

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ISSUE

Design a field-ready package for the wildfire energy transfer sensor that was developed by Sullivan in 2014 (and modified by Anderson and Refai, also in 2014) so that it can be deployed quickly and easily on the fireline.

OBJECTIVES

- Produce a prototype that addresses the criteria identified by a select group of wildfire researchers.
- Test the prototype to ensure that it meets the criteria.

METHODS

FPInnovations will form a steering committee that will define the priority design elements for a field-ready package for the sensor.

FPInnovations will provide the priority design elements to student engineers in the Mechanical Engineering Department of the University of Alberta. Student engineers will use the priority design elements to guide the design and construction of a field-ready package.

FPInnovations will develop a test plan aimed at evaluating how well the prototype meets the priority design elements.

FPInnovations will evaluate the prototype according to the test plan in experimental burns at the Canadian Boreal Community FireSmart Project site near Fort Providence, NT.

TIMELINE

Mar 10, 2015	Establish the steering committee
Mar 30, 2015	Provide priority design elements to the UofA
Jun 15, 2015	Deliver a functional prototype
Jun 30, 2015	Test the prototype
Sep 15, 2015	Present an update to the steering committee
Oct 10, 2015	Present the final report to the steering committee