

## **University of Idaho Budget Justification**

### **A. Senior Personnel: \$0 TOTAL**

PI Hudiburg is not requesting salary but will be responsible for overall oversight of the project, including study design and coordination of project tasks, communication between collaborators, and publishing results.

Per Chapter II.C.2.g(i)(a), of the 20-1 PAPPG (Senior Personnel Salaries & Wages Policy), the Regents of the University of Idaho have determined the definition of salary year to be based on a calendar year.

### **B. Other Personnel: \$16,065 TOTAL**

Technician. \$16,065 is requested to support one temporary technicians (MS level) for approximately 3 months (pay rate = \$21/hr) and a second temporary technician (BS level) for approximately 2 months (pay rate = \$16/hr).

### **C. Fringe Benefits: \$1,269 TOTAL**

At the University of Idaho, fringe benefits for temporary help is 7.9%.

### **D. Equipment Description \$66,000 TOTAL**

- a. We request funds to purchase an automated, self-logging, commercial grade 24-probe sap flow system for quick, durable, and reliable installation at the field site (\$42,000).
- b. We request funds to purchase a DeLeaves foliage sampling unit (drone attachment) for the project (\$24,000).

### **E. Travel \$10,205 TOTAL**

Travel will occur to field site for technicians and PIs Hudiburg and Kolden:

- a. \$4800 in funds is requested for 12 weeks of shared housing (6 weeks in Fall 2020, 6 in Spring 2021) in Sisters, Oregon for project technicians from UI Idaho. Average monthly rate for a short-term rental is \$1600 per month or \$2400 for 6 weeks.
- b. \$905 is requested for 2 trips from home institutions for PI Hudiburg (780 miles roundtrip from Moscow, ID to Sisters, OR; \$0.575 per mile). \$1000 in airfare is requested for 2 roundtrip flights for PI Kolden from Fresno, CA to Sisters, OR and \$1500 in lodging is requested for 2 trips for shared lodging for PI Hudiburg and Kolden assuming 5 nights per trip @150 per night.
- c. \$2000 in funds is requested to cover travel for the DeLeaves instructor to our field site for training with the new instrument. Cost of trip is \$2000 based on \$785 for roundtrip airfare from Montreal, Canada to Bend, OR, \$175 per night lodging for 4 nights, \$55 per diem for 5 days, and \$60 per day for a rental car for 4 days.

### **F. Participant Support Costs (*None requested*)**

### **G. Other Direct Costs \$14,635**

**G1. Materials and Supplies \$9635**

- a. We request funds for CN elemental and or/isotope analysis of the samples (\$2000). Costs are based on \$10 per sample and we will collect \$200 samples.
- b. We request funds for supplies associated with running the sap flow system (batteries, cable, solar panels) (\$2000)
- c. We request funds to purchase Campbell Scientific soil moisture and temperature probes to construct soil profiles near the trees and along the transects (15 probes @280 each; \$4200)
- d. We request funds to purchase a CR1000 to for the soil monitoring equipment (\$1435)

**G2. Publication Costs \$2000 TOTAL**

Funds are requested to defray costs of publication fees.

**G3. Consultant and Training Services \$3000 TOTAL**

We request funds for the DeLeaves training (\$3000). DeLeaves Drone Inc. offers an onsite training course for 3 participants for a flat rate of \$3000 (plus instructor travel). Hudiburg, the technician, and the OSU postdoc and/or technician will attend the training.

**G4. Computer Services (*None Requested*)****G5. Subcontracts (*None Requested*)****G6. Other Direct Costs (*None Requested*)****H. Total Direct Costs: \$108,174 TOTAL****I. Total Indirect Costs: \$10,965 TOTAL**

26% Modified Total Direct Costs (MTDC) which excludes: equipment over \$5,000, capital expenditures, charges for patient care, tuition remission, rental costs of off-site facilities, scholarships and fellowships, as well as that portion of each subgrant or subcontract issued in excess of \$25,000.

**J. Total Direct and Indirect Costs: \$119,139 TOTAL****L. Amount of This Request: \$119,139 TOTAL**