

Budget Narrative

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Budget narratives MUST contain the level of detail that is in this template and explain all costs in detail in the budget worksheet.

Project Title: Using landscape features, plot measurements, and remote sensing data to improve predictions of fuels treatment longevity in the Colorado Front Range.

Project Number: 23-2-01-10 (assigned by JFSP database)

Total Requested Budget:

Budget Costs for PI Institution:

Labor* – The Principal investigator is budgeted at the percentage of time spent directly on proposal activities and uses his actual labor in the calculation. The principal investigator's time includes both technical and project management functions.

PI (David Barnard) PI requests no salary funds for this project, but will contribute one week time in Y1 (\$2,758 total including salary and fringe). Six weeks' time in Y2 and Y3 (\$17,939 and \$19,374 total, respectively, including salary and fringe).

Total Labor co-PI Yr 1 = \$0

Total Labor co-PI Yr 2 = \$0

Total Labor co-PI Yr 3 = \$0

Co-PI (Adam Mahood) Postdoc will contribute one week of salary in Y1 (\$2,252.71 total including salary and fringe) and request 52 weeks of salary for Y2 and Y3

Total Labor co-PI Yr 1 = \$0

Labor: \$43.85/hr x 52 weeks = \$91,516

Fringe \$12.32/hr x 52 weeks = \$25,624

Total Labor co-PI Yr 2 = \$117,140

Labor: \$46.04/hr x 52 weeks = \$99,295

Fringe \$12.94/hr x 52 weeks = \$5,697

Total Labor co-PI Yr 3 = \$127,098

* Labor costs assume a 5% annual cost of living increase plus a 3% within-grade step increase (GS-12 step 1 to GS-12 step 2 for co-PI Mahood, GS-13 step 2 to GS-13 step 3 for PI Barnard).

TOTAL LABOR & FRINGE REQUESTED: \$244,238

TOTAL LABOR & FRINGE CONTRIBUTED: \$42,324

Meeting Attendance:

Year 2 – 2024. Ecological Society of America, Long Beach, CA

Airfare - \$650 estimated flight costs x 1 person = \$650

Lodging - \$140/night x 5 nights x 1 person = \$700

Meals (per diem) - \$59/day x 5 days x 1 person = \$295

Total Costs = \$1645

Year 3 – 2025. Ecological Society of America, Location TBD

Airfare - \$700 estimated flight costs x 2 persons = \$1400

Lodging - \$160/night x 5 nights x 2 person = \$800

Meals (per diem) - \$61/day x 5 days x 2 persons = \$610

Total Costs = \$3610

Costs are estimated based on a search of travel service aggregation sites (e.g. Travelocity) for airfare and lodging. Per diem in year 2 is assumed at present amount, but increased by \$2/day for year 3. Location of year 3 conference has not been announced, so air fare and lodging were increased by 10% from year 2.

Total meeting travel costs: \$5255

Conference Attendance:

No funds are requested for conference attendance

Total conference travel costs: \$0

Workshop costs:

Workshops will be hosted at USDA-ARS facilities at no cost

Total conference and workshop costs: \$0

Field Site Travel Costs:

No site travel funds are requested

Total field site travel costs: \$0

TOTAL TRAVEL REQUESTED: \$5255

TOTAL TRAVEL CONTRIBUTED: \$0

Equipment –

The USDA-ARS will contribute much of the equipment and office machines costs for this project for each of the three project years.

To complete the objectives of this project we are requesting funds in the amount of \$950 to purchase two Nikon Forestry Pro II digital hypsometers for rapid measurements of tree height.

TOTAL EQUIPMENT REQUESTED: \$950

TOTAL EQUIPMENT CONTRIBUTED: \$24,000

Materials and Supplies –

No funds are requested for materials or supplies

TOTAL MATERIALS/SUPPLIES REQUESTED: \$0

TOTAL MATERIALS/SUPPLIES CONTRIBUTED: \$0

Contracts (if applicable):

No contracting funds are requested.

TOTAL CONTRACT REQUESTED: \$0

TOTAL CONTRACT CONTRIBUTED: \$0

Other costs –

We are requesting publication fees for two peer review publications @ \$2,000 each publication based on average rates among target journals.

TOTAL OTHER REQUESTED: \$4,000

TOTAL OTHER CONTRIBUTED: \$0

Tuition – N/A

Indirect and Administrative Rates: – Indirect cost rate of \$28,269 or 11.11% of total direct costs is requested.

Budget Costs for Institution 2:

Labor

Co-PI (Camille Stevens-Rumann) – Writing, project management

Labor: \$55.00/hr x 0.16 month = \$1,441

Fringe 28.6% x 0.16 month = \$412

Total Labor co-PI Yr 1 = \$2,298

Labor: \$55.00/hr x 0.16 month = \$1,441

Fringe 28.6% x 0.16 month = \$412

Total Labor co-PI Yr 2 = \$2,298

Labor: \$55.00/hr x 0.16 month = \$1,441

Fringe 28.6% x 0.16 month = \$412

Total Labor co-PI Yr 3 = \$2,298

Co-PI (Allison Rhea) – Data analysis, writing, project management

Labor: \$31.84/hr x 1 month = \$5,095

Fringe \$9.11/hr x 1 month = \$1,457

Total Labor co-PI Yr 1 = \$6,550

Labor: \$31.84/hr x 1 month = \$5,095

Fringe \$9.11/hr x 1 month = \$1,457

Total Labor co-PI Yr 2 = \$6,550

Labor: \$31.84/hr x 1 month = \$5,093

Fringe: 28.6% x 1 month = \$1,457

Total Labor co-PI Yr 3 = \$6,550

Co-PI (Scott Ritter) - Data analysis, fire behavior modeling, writing, project management

Labor: \$31.84/hr x 1 month = \$5,441

Fringe: 28.6% x 1 month = \$1,556

Total Labor co-PI Yr 1 = \$6,997

Labor: \$31.84/hr x 1 month = \$5,441

Fringe: 28.6% x 1 month = \$1,556

Total Labor co-PI Yr 2 = \$6,997

Labor: \$31.84/hr x 1 month = \$5,441

Fringe: 28.6% x 1 month = \$1,556

Total Labor co-PI Yr 3 = \$6,997

Data Analyst (Kevin Barrett) - Data management and analysis

Labor: \$34.90/hr x 1.5month = \$8,370

Fringe: 28.6% x 1.5 month = \$2,394

Total Labor Data Analyst Yr 1 = \$10,764

Labor: \$34.90/hr x 1.5month = \$8,370

Fringe: 28.6% x 1.5 month = \$2,394

Total Labor Data Analyst Yr 2 = \$10,764

Labor: \$34.90/hr x 1.5month = \$8,370

Fringe: 28.6% x 1.5 month = \$2,394

Total Labor Data Analyst Yr 3 = \$10,764

Field Crew (leader) – Supervision, field data collection

Total Labor Crew Lead Yr 1 = \$0

Labor: \$21.95/hr x 1.38 month = \$9,131

Fringe 28.6% x 1.38 month = \$2,612

Total Labor Crew Lead Yr 2 = \$11,743

Labor: \$21.95/hr x 1.38 month = \$5,250

Fringe 28.6% x 1.38 month = \$1,502

Total Labor Crew Lead Yr 3 = \$6752

Field Crew (x3 crew) – Field data collection

Total Labor 3x Crew Yr 1 = \$0

Labor: \$20.14/hr x 10 weeks x 3 crew= \$25,972

Fringe 0.9% x 10 weeks x 3 crew = \$234

Total Labor 3x Crew Yr 2 = \$26,206

Labor: \$20.14/hr x 5 weeks x 3 crew = \$12,986

Fringe 0.9% x 5 weeks x 3 crew = \$117

Total Labor 3x Crew Yr 3 = \$13,103

TOTAL LABOR & FRINGE REQUESTED: \$136,302

TOTAL LABOR & FRINGE CONTRIBUTED: \$0

Meeting Attendance:

No funds are requested for travel for CFRI

Total meeting travel costs: \$0

Conference Attendance:

No funds are requested for conference attendance for CFRI

Workshop costs:

No funds are requested for workshops for CFRI

Total conference and workshop costs: \$0

Field Site Travel Costs:

We request funds for 4 persons for 10 weeks of field work in Yr 2

Mileage .50/mile for 3600 miles - \$1800

Meals (per diem) - \$20/day X 40 days X 4 persons = \$3,200

We request funds for 4 persons for 10 weeks of field work in Yr 3

Mileage .50/mile for 3600 miles - \$900

Meals (per diem) - \$20/day X 40 days X 4 persons = \$1,600

Total field site travel costs: \$7500

TOTAL TRAVEL REQUESTED: \$7500

TOTAL TRAVEL CONTRIBUTED: \$0

Equipment –

CFRI has field equipment we will use during this field work

TOTAL EQUIPMENT REQUESTED: \$0

TOTAL EQUIPMENT CONTRIBUTED: \$0

Materials and Supplies –

No funds are requested for materials and supplies for CFRI.

TOTAL MATERIALS/SUPPLIES REQUESTED: \$0

TOTAL MATERIALS/SUPPLIES CONTRIBUTED: \$0

Contracts (if applicable):

No contract funds are requested for CFRI

TOTAL CONTRACT REQUESTED: \$0

TOTAL CONTRACT CONTRIBUTED: \$0

Other costs –

No other costs are requested for CFRI

TOTAL OTHER REQUESTED: \$0

TOTAL OTHER CONTRIBUTED: \$0

Tuition – N/A

Indirect and Administrative Rates: – Indirect cost rate of \$28,760 are requested for CFRI as 20% of total direct costs to be potentially awarded to that institution.