# Virginia Tech Budget Justification

###### Salaries and Wages – Senior Personnel

The Principal Investigator, Dr. Wilma Flintstone, will devote 0.5 summer months per year throughout the three-year project period. Describe roles / responsibilities, e.g., *She will be responsible for overall project direction and coordination, for assuring successful project completion, including submission of progress reports, as required. Dr. Flintstone will be responsible for completing objectives one and two on the project, supervise the graduate student, be responsible for the review of the field-testing data and comparison with the experimental model study, and preparation of manuscripts for publication. INCLUDE BASE SALARY.*

The Co-Principal Investigator, Dr. Betty Rubble, will devote a total of 1.5 summer months for three years toward the project. Describe roles / responsibilities, e.g., *She will be responsible for objective three and the initiation and development of the experimental model and the non-parametric statistical analysis comparing the field test data and the model results, and program evaluation. INCLUDE BASE SALARY.*

For estimation purposes, a 4% escalation factor is included, which occurs every December 1st.

For purposes of adhering to NSF’s “2 month rule,” Virginia Tech defines a year as 8/10/xxxx – 8/9/xxxx.

###### Salaries and Wages – Other Personnel

Funding for one graduate student, 4.5 AY mo. and 3 summer months, is requested for the three-year project. The graduate student will be involved with the collection of survey data and its review and analysis, analysis of the field test data, and development of the experimental model and non-parametric study.

For estimation purposes, a 4% escalation factor is included, which occurs every August 16th for GRAs. Classified staff and wage personnel are escalated by a factor of 3% every December 1st.

###### Fringe Benefits

Fringe Benefits are calculated in accordance with Virginia Tech’s federally negotiated fringe rate agreement which is available at http://osp.vt.edu/resources/rates.html.

|  |  |  |
| --- | --- | --- |
| FRINGE RATES | Through | On/After |
|  | 6/30/20 | 7/1/20 |
| Regular Faculty | 32.75% | 34.25% |
| Special Research Faculty | 34.75% | 38.75% |
| Part Time Faculty | 20.25% | 21.75% |
| SMR Faculty/Wage Employee | 7.50% | 8.00% |
| GRA | 9.50% | 9.00% |
| Classified Staff | 49.75% | 52.75% |

###### Equipment

A Spacely Sprockets universal rock auger (model 4870) is requested ($7,500). This equipment is essential for the completion of the project. An older model of this resource is available to the department; however, is in continuous use by Dr. BamBam Rubble on his NSF-supported project entitled *Digging Deep in Bedrock (No. 99059283).*

**Domestic Travel:**  A total of $4,500 is requested for senior personnel or the graduate student to participate in the annual meeting of the Society for Hard Materials and disseminate research results. Estimated annual costs per single traveler are: $500 for round trip air-fare from *<origin> to <destination>,* registration fee of $250, and meals and lodging of $250/day for three days.

**Foreign Travel:**  Not Applicable.

**Participant Support Costs:** *(A participant is defined as an educational participant, someone who is not bound by contract in the way an employee is to produce a specific product. Usually the participant is participating in an educational capacity, and benefits from the project’s educational goals.).*

* *List the stipend each participant will have and Indicate number of Participants*
* *List amount allotted for travel. Explain the purpose of the travel.*
* *List amount allotted for subsistence, which could be a food per diem. Specify the period for which you are providing assistance for subsistence.*
* *List any other expense associated for the participants, and how this is relevant and necessary to the project (e.g., supplies, printing of materials, etc.).*

# Other Direct Costs

**Materials and Supplies:** A total of $4,000 is requested for materials, including plasticware ($500); chemicals and reagents ($500); gases ($250); and for photographic expenses ($1,000) and other essential project-related costs. Additionally, a laptop computer is necessary and essential for this project because it will be used predominantly for statistical data collection and analysis for the data repository. It will be used by Dr. Wilma Flintstone in her Virginia Tech Lab to carry out <project activities, tasks, objectives> ($1,000).

**Publication Costs/Documentation/Dissemination:** A total of $1,000 is requested for publications.

**Consultant Services:**  $12,000 is requested for the Great Gazoo to provide statistical consultant services to facilitate objective three over the three year project period. Approximately eight days of service per year at $500/day is budgeted.

**Subawards:**

**Rocky Mountain State College (RMSC) -** $86,954

**Evergreen State College** (ESC) **-** $41, 460

Drs. Jetson (RMSC) and Powell (ESC) possess unique skills, knowledge and abilities essential for project completion. Their contributions and duties are described in the project description in objectives 1 and 2 respectively. Funds requested support their effort as well as travel, and equipment. Specific budget narratives are provided.

**Other:**

*Tuition:* Per Virginia Tech’s policy, in-state tuition is budgeted annually for the GRA in direct proportion to effort charged. Tuition is based on the 2019-2020 schedule for a GRA on the Blacksburg campus. For estimation purposes, a 3% escalation factor is included, which occurs every August 16th.

*Contractual Services:* Funds are also requested for the VT Analysis Lab to verify the integrity of samples at $2/sample.

# Indirect Costs

Virginia Tech’s federally-negotiated rate for on-campus research is 60.5% MTDC from 7/1/19 through 6/30/20; and 60% MTDC thereafter.  A copy of VT’s current federally negotiated indirect rate agreement can be found here: <https://osp.vt.edu/resources/rates/indirect-costs.html>.