

# Announcement of Design Competition Candy Mountain Monument

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## Contents

|                                |    |
|--------------------------------|----|
| Background .....               | 1  |
| Candy Mountain Preserve.....   | 2  |
| Sponsor .....                  | 2  |
| Vision.....                    | 2  |
| Competition Objective .....    | 2  |
| Design Goals and Criteria..... | 3  |
| Competition Website.....       | 3  |
| Competition Process .....      | 4  |
| Competition Schedule.....      | 4  |
| Competition Regulations .....  | 5  |
| Monument Site .....            | 12 |
| History of Hanford .....       | 13 |
| Other resources .....          | 14 |

The CH2M Candy Mountain Monument Committee is pleased to invite entries to a design competition for a monument at the new Candy Mountain Preserve, to be installed for the *Friends of Badger Mountain*, upon the endorsement of Benton County.

## Background

*Friends of Badger Mountain* (FOBM) is a local nonprofit organization, formed by local residents who came together to preserve the local ridges for their habitat values, recreational potential, and scenic views. They believed something must be done before the beauty of the ridges was permanently changed by irreversible development. When the FOBM learned that 574 acres was for sale on the crest and slopes of Badger Mountain, their goal became to acquire this land, to be held in the public trust as open space. After a spirited fundraising campaign by FOBM, Benton County was able to acquire the property, and in June 2005 the “Badger Mountain Centennial Preserve” was established. Adopting the role of steward in partnership with Benton County, FOBM has organized building of:

- The Canyon Trail in 2005 for hikers only
- The Skyline Trail in 2006 for hiking, mountain biking and horseback riding
- The Sagebrush Trail in 2010, extending the Skyline and connecting to the Canyon Trail
- The Badger Flats Trail in 2012, at the base of the Canyon, built in partnership with the City of Richland, Eagle Scouts, and Tri-City Rotary Clubs
- The Langdon Trail in 2014, along the south side of the mountain

## Candy Mountain Monument Design Competition

FOBM and Benton County collaborated again in 2012 to add another 73 acres of property on the south slope of Badger Mountain, bringing the total acreage of the Preserve to over one square mile. FOBM and the County continue to maintain and improve the trails and undertake annual events to enhance the recreational use of the ridges. Over 217,000 users were counted on the trails in 2014.

### Candy Mountain Preserve

Benton County and FOBM launched the *Ridge Preservation and Trail Campaign* in early 2014 to acquire 186 acres on Candy Mountain to create a new Preserve and another link in the planned 20-mile long connecting trail across Little Badger, Badger, Candy and Red mountains. Steps to finalize acquisition of Candy Mountain property were completed in the Spring of 2016. With this acquisition, Benton County will oversee FOBM's construction of a gentle trail to the mountain's summit, which will wind through a rich tapestry of geologic history and shrub-steppe habitat, with expansive views of the community and rural landscapes. As a multi-use trail, it will give hikers, bikers, and horseback riders an alternative to the popular and heavily used trails on Badger Mountain. The trail will be completed in the Fall of 2016 and will be officially named by Benton County at a later time. Candy Mountain is one of our most beautiful ridges, undulating softly between Badger and Red Mountain. With several nearby wineries, it easily lends itself to special events. Preservation of Candy Mountain will give momentum to completion of the remaining trail segments. These trails across the four local ridges will preserve the iconic ridge viewscape, while substantially benefiting the community's economic growth and quality of life.

### Sponsor

CH2MHill Plateau Remediation Company (CH2M) has been a contractor for the U.S. Department of Energy responsible for major environmental cleanup projects at the Hanford Site since 2008. CH2M is a major sponsor of the Ridge Preservation and Trail Campaign, committing financial support as well as countless volunteer hours for trail development and preservation. The CH2M sponsorship includes construction of a monument at the Candy Mountain trail site to recognize and commemorate the generations of Hanford workers that have helped make the Tri-Cities the vital and thriving community it is today. CH2M's Candy Mountain Monument Committee on behalf of *Friends of Badger Mountain*, is sponsoring a design competition to seek ideas from the community for the design, placement and contents of the monument.

### Vision

The vision of the Candy Mountain Monument Committee is a durable, sustainable monument that blends into the landscape of the Candy Mountain Preserve, while providing education and information to Preserve visitors. The monument should blend the natural beauty and history of the Tri-Cities area with Hanford Site history, telling the story of Hanford workers in both words and pictures.

### Competition Objective

The objective of the design competition is to foster community involvement in development of the monument while seeking ideas from a wide variety of artists, designers, landscapers and community members. The competition is open to students, professionals, amateurs, groups, individuals and anyone

## Candy Mountain Monument Design Competition

with an interest in contributing to the valued community asset being developed at Candy Mountain. Elements from multiple entries may be combined to produce the final monument design.

### Design Goals and Criteria

The Candy Mountain Monument Committee has established the following Mandatory Requirements consisting of design goals and criteria to inform competition participants of the aspirations of the committee. Entries will be reviewed by committee members, advisors and Benton County Parks Department representatives to select and develop a final monument design that contributes to the overall beauty and atmosphere of the Candy Mountain Preserve. The selected monument design will satisfy the following Mandatory Requirements:

- Blend naturally with the trail surroundings while being readily visible to trail users.
- Balance presentation of regional and Hanford history while providing a tribute to Hanford workers.
- Be constructed of durable, natural materials available locally requiring little or no maintenance.
- Minimize the opportunity for water or sand to accumulate.
- Incorporate words and images in a manner able to withstand the elements and climate at the site, including rain, snow, wind, temperature extremes and wildfires.

Specific criteria that must be considered in the design include:

- Monument components cannot obstruct the view or trail access at any location.
- The monument must minimize disturbance to existing vegetation and cannot disturb old growth sage brush.
- The monument design shall be original work.
- Monument components may be placed in more than one location and point out local landmarks to enhance the information being presented.
- Monument components that provide functional uses (e.g. seating areas or mileage markers<sup>1</sup>) are encouraged.
- Monument components that incorporate matrix bar codes, such as QR codes, into the design to direct trail visitors to web sites with additional information will be considered, but these should not be the primary means of communicating information to visitors.

### Competition Website

Competition information can be found at the Candy Mountain Monument Committee and Design Competition page at [www.Facebook.com](http://www.Facebook.com). Links to information will also be available under Community at <http://chprc.hanford.gov/>.

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<sup>1</sup> Benton County Parks Department has a preferred format for mileage markers that can be viewed on the Badger Mountain Trail.

# Candy Mountain Monument Design Competition

## Competition Process

The Monument Design Competition will be conducted in one or two phases. Phase 1 is an open call to submit designs and concepts for the monument. A Competition Jury will select finalists to further develop their design concepts in Phase 2 if deemed appropriate. The final design selected for the monument may include a combination of the concepts from the finalists blended into an attractive and compelling monument that conveys the vision of Monument Committee.



## Competition Schedule

|   |  |
|---|--|
| Competition Announcement  | November 3, 2016                                 |
| Competition Guidelines and Registration Posted  | November 3, 2016                                 |
| Registration Period   | November 3 - November 28, 2016                   |
| Candy Mountain Trail Site Tour  | November 19, 2016 (tentative/weather permitting) |
| Phase 1 Questions Period/Answers Posted   | November 3 – December 15, 2016                   |
| <b>Phase 1 Submittals Deadline</b>  | <b>January 3, 2017</b>                           |
| Competition Jury Review of Phase 1 Entries  | January 4 – January 18, 2017                     |
| Phase 1 Finalists Announced*  | January 20, 2017                                 |
| Phase 2 Questions Period/Answers Posted   | January 23 – February 17, 2017                   |
| Phase 2 site tour   | January 28, 2017 (tentative/weather permitting)  |
| Optional Mid-course Reviews   | January 30 – February 10, 2017                   |
| <b>Phase 2 Submittals Deadline</b>  | <b>February 24, 2017</b>                         |
| Finalist Presentations to Jury/ Public Exhibition   | February 27 – March 10, 2017                     |
| Competition Jury Final Evaluations  | March 13 – March 26, 2017                        |
| Announcement of Final Monument Design   | March 30, 2017                                   |
| * If the Competition Jury and Monument Committee elect not to proceed with Phase 2, the final monument design will be announced on this date. |  |

# Candy Mountain Monument Design Competition

## Competition Regulations

### 1. Competition Procedure

- 1.1. Call for Entries: The advertisement will be distributed to Tri-Cities area schools and media outlets. This call for entries will direct individuals or teams interested in participating in the competition to the Competition Website and will mark the official beginning of the Design Competition.
- 1.2. Registration: Individuals or teams wishing to enter the design completion must register within 14 calendar days of the official beginning of the Design Competition by completing the registration form available at the Competition Website and emailing it to [HanfordMonument@gmail.com](mailto:HanfordMonument@gmail.com). The following information is required:
  - Name(s) of participants
  - Contact information (name of primary contact, mailing address, email address, phone number).
  - Participant(s) status: (1) Student (identify qualifying school), (2) Professional (identify employer), (3) Nonstudent nonprofessional (Amateur – group or individual).

Participants are considered students if they are enrolled or accepted as full or part-time students at a public or private K-12, secondary, post-secondary or vocational school. Student teams must be composed entirely of students and may have one nonstudent advisor per school represented. Participants are considered professionals if they are employed as a designer, artist, or in any other capacity where they are compensated for artistic or design services by a company, corporation or agency. All other participants fall into the Amateur category. Additional biographical information may be requested from registered Participants.

- 1.3. Phase 1 Site Visits: A hiking tour of the new trail on Candy Mountain will be scheduled during the early stages of the Design Competition. The date identified in the competition schedule is tentative and may be rescheduled pending weather and trail conditions. The exact date, time and meeting location will be posted on the Competition Website. Registered participants will be notified by email of the tour information. Participants are strongly encouraged to attend the hiking tour. Photographs and videos of the planned trail will be posted on the Competition Website for participants that are unable to attend the hiking tour.
- 1.4. Question and Answer Period: During the Competition Period, questions and requests for additional information may be submitted by email at [HanfordMonument@gmail.com](mailto:HanfordMonument@gmail.com). All questions will be answered, and copies of all questions and answers will be posted on the Competition Website and emailed to all Registered Participants. The authorship of all questions will remain anonymous.
- 1.5. Submission of Phase 1 Design Entries: All Design Entries must be submitted by email at [HanfordMonument@gmail.com](mailto:HanfordMonument@gmail.com) by 3:00 p.m. Pacific Time on the date indicated on the Competition Schedule. A completed Competition Entry Form, to be provided to registered entrants, must accompany the submission. The Design Entry shall conform to the Mandatory Requirements for Phase 1 Design Entry as stated in Rule 3 of these Competition Regulations.

## Candy Mountain Monument Design Competition

- 1.6. Request for Extension: If any registered entrant requests an extension of the competition submission date, the Competition Jury/Monument Committee will determine if the extension will be granted. If it is granted, a notice will be made to all registered entrants of the revised competition schedule.
- 1.7. Compliance Check: Upon receipt of the Design Entries, the Competition Jury will review each Entry for compliance with Mandatory Requirements. All Design Entries found in compliance with the Competition Regulations will be evaluated by the Jury. Should any Design Entry be found in noncompliance with the Competition Regulations, the Competition Jury will make a decision concerning qualification or disqualification of the Design Entry. If the Entry is disqualified, the Competition Jury will remove it from Competition and notify the entrant of the decision. The determination by the Competition Jury is final and not subject to appeal.
- 1.8. Late Entries: A Design Entry will be considered late if received after 3:00 p.m. Pacific Time on the day set forth in the Competition Schedule. Entries received after the specified time will not be considered in the Competition. See Step 1.6 for requests for extension.
- 1.9. Phase 1 Evaluation and Selection: All Design Entries that are deemed compliant with these Competition Regulations will be exhibited in a format that allows each Design Entry to be viewed and evaluated equally and without prejudice. The Monument Committee may elect to make Entries available on the Competition Website for public viewing and comment after the Phase 1 submission deadline. Comments received will be shared with the Jury. The Jury will be responsible for analyzing and evaluating the Design Entries and selecting Design Entries to be invited to participate in the optional Phase 2 of this Design Competition. Entrants invited to participate in Phase 2 will be notified by the Competition Jury, and results of Phase 1 will be posted on the Competition Website. If the Competition Jury/Monument Committee elects to proceed with a Phase 2 competition, feedback may be provided to the designers to be incorporated into the Phase 2 design. If the Competition Jury/Monument Committee elects not to proceed with Phase 2, design selection will be made as described in Step 1.18.
- 1.10. Optional Phase 2 Competition: If the number of entrants in the Phase 1 competition warrants, the Monument Committee and Competition Jury may elect at their option to select three to five design entries to proceed to a Phase 2 competition as described in the following procedure steps.
- 1.11. Phase 2 Competition Briefing: The Phase 2 Participants will be required to attend a mandatory briefing with the Monument Committee and others. The Briefing will include clarification of schedule and procedures, Phase 2 submission requirements, expectations of Phase 2 activities and dissemination of other information that is timely and appropriate.
- 1.12. Question and Answer Period: The Phase 2 Participants may submit questions and requests for information by email at [HanfordMonument@gmail.com](mailto:HanfordMonument@gmail.com). All questions received from Phase 2 Participants in accordance with the Competition Schedule will be answered and the questions and responses will be posted on the Competition Website and will be emailed to all Phase 2 Participants. The authorship of all questions will remain anonymous.

## Candy Mountain Monument Design Competition

- 1.13. Mid-course Reviews: If time permits, Phase 2 Participants may have one or more opportunities to participate in Mid-course Reviews per the Competition Schedule. Mid-course reviews are private one- or two-hour sessions between each Phase 2 Participant and representatives of the Monument Committee to discuss conceptual and technical issues related to the design process. The Monument Committee will determine if any information provided to Phase 2 participants during Mid-course Reviews will be shared with other registered participants.
- 1.14. Submission of Phase 2 Designs: All Phase 2 Design Submittals must be received at the designated Competition address provided to Phase 2 participants by 3:00 p.m. Pacific Time on the date set forth on the Competition Schedule. A completed Competition Entry Form, provided to Phase 2 participants, must accompany the submission. See Step 1.6 for requests for extension. The Design Submittal shall conform to the Mandatory Requirements for Phase 2 Design Submission as stated in Rule 3 of these Competition Regulations and finalized at the Competition Briefing for Phase 2 Participants.
- 1.15. Phase 2 Design Submittal Compliance Check: Upon receipt of the Design Submittal, the Competition Jury will examine the Submittal for compliance with Mandatory Requirements and forward the Submittal for exhibit and evaluation. If any Design Submittal is found in noncompliance with the Competition Regulations, the Competition Jury make the determination for action concerning qualification or disqualification of the Design Submittal. The Competition Jury will notify the Phase 2 Participant of the decision. The decision of the Jury is final and not subject to appeal. A finding of disqualification may result in forfeiture of the Competition Honorarium established for that Phase 2 Participant as described in Rule 7 of the Competition Regulations.
- 1.16. Phase 2 Exhibit: All Phase 2 Design Submittals deemed compliant with these Competition Regulations will be exhibited in a format that allows all Design Submittals to be viewed and evaluated equally and without prejudice. The Monument Committee may elect to exhibit Submittals for viewing by CH2M and other Hanford employees. Employees will be given the opportunity to make written comments, which will be shared with the Competition Jury.
- 1.17. Phase 2 presentation: Each Phase 2 Participant will be given the opportunity to make a presentation of their Design Submittal to the Competition Jury. This presentation may be open to other representatives of the Competition Sponsor and Monument Committee for observation. The purpose of the presentation is to enable and clarify the Jury's understanding of the Design Submittal.
- 1.18. Selection: The Competition Jury will be responsible for evaluating the Design Submittals and presentations. The Competition Jury will, through careful analysis and deliberation, select the winning Design Submittal(s) and recommend the selection to the Monument Committee.
- 1.19. Final Design: The Monument Committee will utilize the winning Design Submittal(s) as is or incorporate all or part into the final monument design.

# Candy Mountain Monument Design Competition

## 2. Communication

- 2.1. Protocol: If any Participant desires information of any kind in regard to the Competition, the Competition Regulations, the program or the site, the Participant shall ask for this information by emailing [HanfordMonument@gmail.com](mailto:HanfordMonument@gmail.com) during the Question and Answer Periods, or at the Phase 2 Competition Briefing. No Competition Participant or Participant's representative shall communicate with any member of the Monument Committee or the Competition Jury on matters of this Design Competition except as provided in these Design Competition Regulations.
- 2.2. Duration: This Communication Protocol is in effect continuously throughout the duration of the Competition from the Competition kickoff to the announcement of the final selected design.
- 2.3. Reporting: Representatives of the Sponsor, Monument Committee and Competition Jury shall report any communications from Participants to the Monument Committee, who will make a determination how to proceed.
- 2.4. Questions and Answers: All questions received during the Question and Answer Period identified on the Competition Schedule will be answered in accordance with the Competition Regulations. Upon publication on the Competition Website, the Questions and Answers become official addenda to the Competition Regulations.
- 2.5. Current Information: The Monument Committee will maintain current information on the Competition Website and will provide email notification of changes or important information to registered Participants.

## 3. Mandatory Conditions For Consideration of Design Entries

- 3.1. Intent: The Design Entry is intended to provide an explanation, including narrative description and graphic descriptions, of the design concept.
- 3.2. Originality and content: By submitting an entry, designers are attesting that the entry does not infringe on logos, copyrights or trademarks owned by others, advertise or promote any brand or product of any kind or contain any personal identification. The content cannot communicate messages or images inconsistent with the positive images and/or goodwill associated with the Candy Mountain Trail and the Design Competition Sponsors.
- 3.3. Anonymity: The Design Entry shall bear no name or mark that could serve as a means of identification. Except as permitted by the competition rules during Phase 2, Participants shall have no contact with the Monument Committee or the Competition Jury regarding the authorship of the Design Entry. It is understood that in submitting a Design Entry, each Participant (a) affirms compliance with the foregoing provisions regarding anonymity; (b) agrees that any violation of them renders the Entry, at the Monument Committee's sole discretion, subject to disqualification from the Competition; (c) authorizes the Monument Committee and Competition Jury to make use of the winning design without remuneration to the Participant beyond the amounts identified in Rule 7 "Competition Honoraria and Expenses".

## Candy Mountain Monument Design Competition

- 3.4. **Format:** The Phase 1 Design Entry shall be submitted electronically in PDF format per the directions on the Competition Website. The Design Entry PDF file must be no more than 10 pages in length and may be formatted using either 8½"x11" or 11"x17" pages in portrait or landscape format. Entries must include the following information:
- Entry number (to be provided to registered participants);
  - A title and drawing scale (if appropriate) for all drawings;
  - If the entry includes more than one component, an overall site plan with appropriate scale designation containing annotation depicting key elements of the design;
  - Sections, elevations, or perspectives as desired to depict any of the key design elements;
  - A narrative, not exceeding one page, to explain any key points associated with the entry that the designer wishes to express to the Competition Jury.
- 3.5. **Method:** The method of depicting the Design Entry (drawing, color, photography, etc.) shall be at the discretion of the Participant.

### 4. Conditions For Phase 2 Design Submittals

- 4.1. **Intent:** The intent of Phase 2 of the Design Competition is to refine the Phase 1 Design Entry and incorporate any feedback from the Competition Jury.
- 4.2. **Originality and content:** By refining the design entry, designers are attesting that the entry does not infringe on trademarks, logos, copyrights, or trademarks owned by others, advertise or promote any brand or product of any kind, or contain any personal identification. The content cannot communicate messages or images inconsistent with the positive images and / or goodwill associated with the Candy Mountain Trail and the Design Competition Sponsors.
- 4.3. **Format:** Based on the scope and content of the selected Phase 1 Design Entries, the specific requirements of the Phase 2 Design Submittal will be refined and specific requirements distributed to the Participants at the Phase 2 Briefing. The Phase 2 Participants may be requested to submit the following:
- A maximum of six (6) 36" x 48" boards illustrating the design concept, including plans, sections, elevations, perspectives, narratives, and diagrams to fully explain the design concept in a way that is accessible and understandable;
  - A three-dimensional physical model illustrating the design concept;
  - Sufficient information on the refined design to allow incorporation of the design concept into a standard computer model of the site (to be prepared by others);
  - A cost estimate for fabrication and installation.

### 5. Evaluation Criteria

The Vision, Design Objectives and Design Goals provide the criteria by which the Jury will evaluate the Phase 1 Entries and Phase 2 Submittals.

### 6. Eligibility

Phase 1 of this Design Competition is an open competition, open to any students, professionals or other interested participants who register as described in Step 1.2. A participant may be an individual, a team of individuals or a firm. The competition is open to individuals and firms nationally and internationally,

## Candy Mountain Monument Design Competition

although, in the event one or more designs are deemed equal, preference will be given to entrants from the Tri-Cities, Washington.

No member of the Competition Jury or the Monument Committee shall be eligible to participate in this Design Competition.

### **7. Competition Honoraria and Expenses**

Individuals or teams whose design is selected for the final monument design will receive an award of \$1,000 payable after selection of the final design concepts. In the event that multiple designs are selected to be incorporated into the final monument design, the Monument Committee will develop a pro-rated method of awarding available funds.

Students that register for the Design Competition may request an Honorarium of up to \$50 to assist with expenses associated with production of the Phase 1 design. Students that are invited to participate in the Phase 2 design may request an additional Honorarium of up to \$200 to assist with expenses associated with production of the Phase 2 design. Procedures for requesting the Honorarium will be posted on the Competition Website. Students may be requested to provide verification of enrollment.

### **8. Disqualification**

Disqualification will occur should any Participant commit an act (or acts) that is (are) in conflict with the Design Competition Regulations. The Monument Committee has final determination on any and all disqualifications arising during the Competition Procedure.

### **9. Competition Sponsor**

The sponsors of the Candy Mountain Monument Design Competition are CH2M and the Friends of Badger Mountain. The Sponsors are responsible for overseeing the Monument Committee and providing for Competition awards, expenses, honorariums, and construction; and for ensuring appropriate involvement in and support of the Competition activities.

### **10. Candy Mountain Monument Committee**

The Monument Committee is the coordinating and adjudicating authority for the Competition and shall have final decision authority regarding issues arising during the Competition Process. If issues arise, the Monument Committee will consider the issue and render a decision. The Monument Committee will oversee the fabrication, construction, and installation of the final monument at the permission and direction of Benton County, who will have final approval authority over Monument design and placement location.

### **11. Competition Jury**

The Competition Jury is comprised of individuals representing the Sponsors, the Monument Committee and others with a range of disciplines that may include perspective on Badger and Candy Mountain, the Ridge Preservation and Trail Campaign, Hanford history, landscape architecture and the arts. All members of the Jury are appointed by the Sponsor and the Monument Committee. The tasks of the Jury are defined in the Competition Regulations.

## Candy Mountain Monument Design Competition

### **12. Ownership of Phase 1 Entries and Phase 2 Submittals**

Any and all materials submitted for any phase or event in this Design Competition will become the property of the Monument Committee and the Sponsors. Material will be used, displayed and dispositioned at the discretion of the Monument Committee and the Sponsors and as noted in Step 13. Benton County will be the owner of the Monument once it is installed.

### **13. Exhibition of Entries and Submittals**

The Sponsors reserve the right to exhibit all Phase 1 Entries and Phase 2 Submittals that are submitted and in compliance with the Competition Procedure. Furthermore, the Sponsors reserve the right to use or display any and all material for educational purposes, publication, documents, videos or fundraising purposes at its discretion. The author or authors of the selected design(s) grant exclusive use rights for the design to CH2M and the Friends of Badger Mountain for monument fabrication, promotional materials and any other use at their discretion. The Sponsors shall give appropriate credit to the author or authors of any material used for the monument.

### **14. Agreement between the Sponsor and the Selected Designer(s)**

Upon selection by the Competition Jury and adoption of the selection by the Monument Committee, the designers(s) of the winning monument design(s) may be invited to participate in the fabrication and installation of the monument components. At any time, the Sponsors reserve the right not to proceed with the project.

### **15. Contact Information**

All questions or other communications, and all Phase 1 Design Entries, should be submitted to the Monument Committee at [HanfordMonument@gmail.com](mailto:HanfordMonument@gmail.com).

### **16. Competition Schedule**

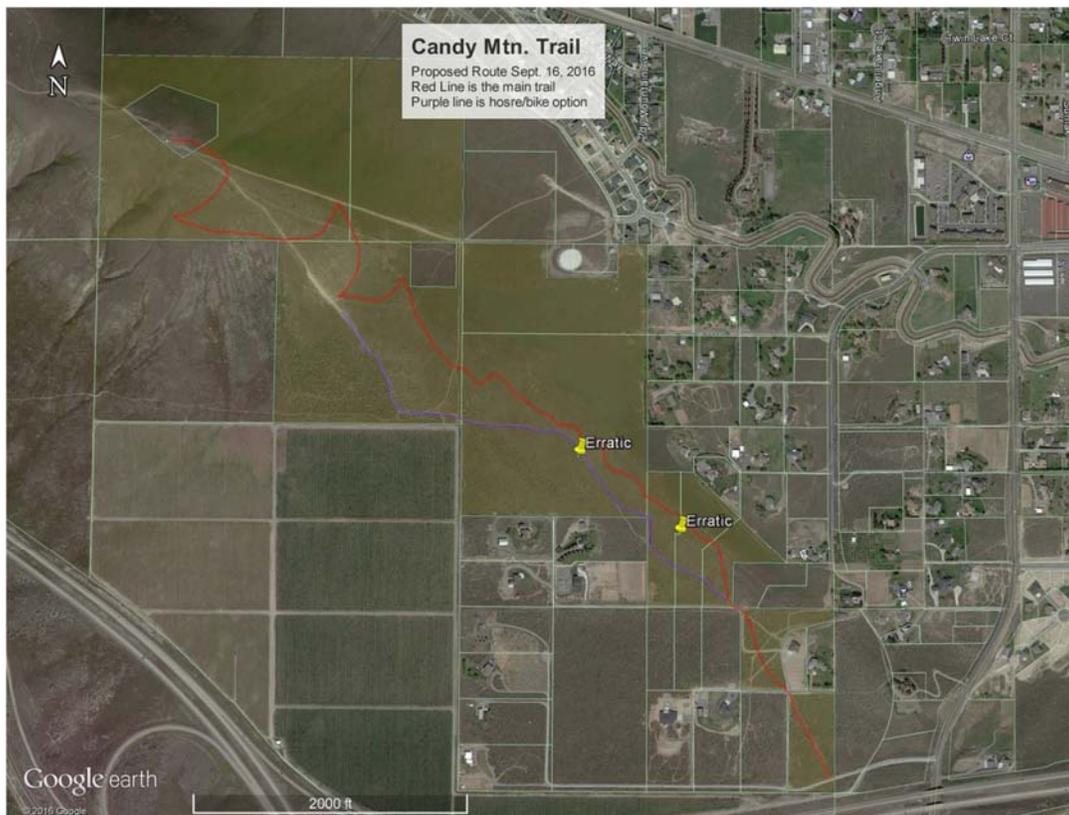
The Design Competition Schedule is part of, the Competition Regulations. It lists the sequence of events and the deadlines in accordance with the Competition Process. Modifications to the Competition Schedule, if made, will be published as addenda at the Competition Website and provided to registered Participants.

# Candy Mountain Monument Design Competition

## Monument Site



The Candy Mountain Preserve encompasses 186 acres of striking shrub steppe habitat. An initial 1.5-mile trail is being constructed on the east ridge of the mountain during the Fall of 2016 that will allow connectivity to the existing Badger Mountain trail system via Dallas Road. A parking area is also being constructed in the Goose Gap area between Candy and Badger Mountains. The monument can be constructed at the parking area, on the trail, or on the upper slopes of Candy Mountain, or in a combination of locations. The exact monument location will depend on the design concept.



## Candy Mountain Monument Design Competition

### History of Hanford

The Hanford Works of the Manhattan Engineering District was created by the U.S. Army Corps of Engineers in 1943 by joining Federal public domain lands with land taken by eminent domain from farms, ranches, homes, a railroad and state-owned land beneath the Columbia River. Large areas across the Columbia River to the north and to the west of the main site were also enclosed, and the 35-mile Hanford Reach of the river was closed to the public as a security measure. They evicted the residents of the towns of Hanford and White Bluffs. Congress recently created the Manhattan Project National Historic Park, which includes public tours of Hanford's B Reactor, the first full-scale plutonium production reactor in the world. Hanford plutonium was used for the world's first nuclear bomb, tested at Alamogordo, New Mexico, and for the "Fat Man" bomb dropped over Nagasaki, Japan. In 2000, a presidential proclamation placed the Hanford Reach and Hanford's security buffer lands into a national monument administered by the U.S. Fish & Wildlife Service.



*B Reactor during construction*

During the Cold War, the Hanford project expanded to include nine nuclear reactors and five large plutonium processing complexes, which produced plutonium for most of the more than 60,000 weapons in the U.S. nuclear arsenal. Nuclear technology developed rapidly during this period, and Hanford scientists produced notable technological achievements.

The Hanford Site occupies 586 square miles. Except for passage on the Columbia River, and limited public access to the B Reactor and the national monument, the land is closed to the general public. It is a desert environment receiving under 10 inches of annual precipitation, covered mostly by shrub-steppe vegetation. The Columbia River flows through the site for approximately 35 miles. The site is divided by function into three main areas. The nuclear reactors were located along the river in an area designated as the 100 Area; the chemical separations complexes were located inland in the Central Plateau, designated as the 200 Area; and various support facilities, including the fabrication of reactor fuel, were located in the southeast corner of the site, designated as the 300 Area.

## Candy Mountain Monument Design Competition



*Early Hanford workers lining up for paychecks*

### Other resources

More detail on the Friends of Badger Mountain, Hanford history and Hanford activities may be found at the following resources:

- <http://friendsofbadger.org/>
- <http://www.hanford.gov/page.cfm/HanfordStory>
- <http://www.hanford.gov/page.cfm/hanfordhistory>
- <http://www.hanford.gov/c.cfm/photogallery>
- <https://www.nukeworker.com/pictures>
- <http://www.ecy.wa.gov/programs/nwp/abouthanford.htm>
- <http://www.atomicheritage.org/>
- <http://www.manhattanprojectvoices.org/oral-histories/Michele-gerbers-interview>
- <http://www.daughtersofhanford.org/michele-gerber/>
- *On the Home Front: The Cold War Legacy of the Hanford Nuclear Site* by Michele Stenehjem Gerber University of Nebraska Press, 2007 (ISBN-13: 978-0-8032-5995-9)

## Candy Mountain Monument Design Competition

- *Made in Hanford: The Bomb That Changed the World* by Hill Williams, Washington State University Press, 2011 (ISBN-13: 978-0-8742-2307-1)
- *Atomic Frontier Days: Hanford and the American West* by John M. Findlay University of Washington Press ASIN: B006UJ5CFI
- *The Manhattan Project at Hanford Site (Images of America)* by Elizabeth Toomey Arcadia Publishing 2015 ASIN: B01A7LRB30
- *Working on the Bomb: An Oral History of WWII Hanford* by SL Sanger and Craig Wollner, Continuing Education Press, 1995, ISBN-13: 978-0876781159