





Consulting Parties Meeting Section 106 of the National Historic Preservation Act

Green Bank Science Center June 28, 2018, 3:00-5:00 pm



Public Meeting Overview

- Introductions
- Status/process update
- Summary of Historic Properties at GBO
- Discussion of Draft Programmatic
 Agreement
- Next Steps



Introductions

Representative	Role
National Science Foundation: Federal Agency	
Harshal Gupta	Program Director for Green Bank Obs.
Elizabeth Pentecost	Project Management Administrator
Caroline Blanco	Assistant General Counsel/Federal Preservation Officer
Kristen Hamilton	Environmental Compliance Officer
Karen Pearce	Senior Legislative Affairs Specialist
CH2M HILL/JACOBS: Environmental Contractor	
Lori Price	Senior Cultural Resources Consultant
Jessica Wobig	Cultural Resources Specialist

Environmental Review Schedule



National Historic Preservation Act Compliance (NHPA)

Endangered Species Act Compliance (completed March 2017)

^{*}All comments on cultural resources received during the scoping and DEIS public comment periods are also being considered during the NHPA process.





Alternatives Evaluated in the DEIS

A. Collaboration with interested parties for continued science- and education-focused operations with reduced NSF funding

- B. Collaboration with interested parties for operation as a technology and education park
- C. Mothballing of facilities
- D. Demolition and site restoration

No-Action: Continued NSF investment for science-focused operations

*Note that the viability of the Preferred Alternative is dependent on the availability of qualified collaborations determined through a parallel NSF process.

2018-06-28



Section 106 of the National Historic Preservation Act

The Section 106 consultation process requires federal agencies to consult with interested parties and the State Historic Preservation Officer regarding potential effects of their proposed actions on historic properties*.

- 1. Initiate Section 106 consultation
- 2. Identify Area of Potential Effects (APE) and historic properties within the APE
- 3. Assess whether there are adverse effects



4. Resolve any adverse effects

^{*}Historic properties are defined as those that are eligible for inclusion in or listed in the National Register of Historic Places (NRHP).



NRHP-Eligible Historic District

Green Bank Observatory (GBO) is an NRHP-eligible Historic District under Criteria A and C, and Criteria Consideration G

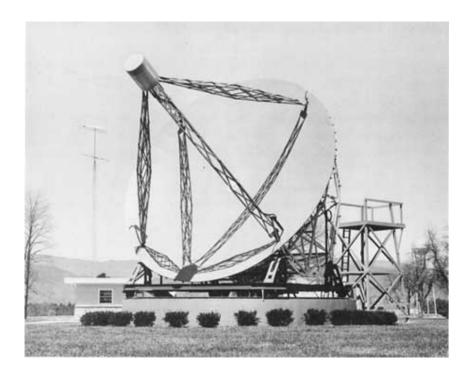
- Historic District has a total of 44 contributing resources including:
 - One National Historical Landmark
 - Reber Radio Telescope
 - Four telescope instruments that are also individually eligible for the NRHP
 - Interferometer Range
 - 40-foot Telescope
 - 43-meter Telescope
 - Green Bank Telescope (GBT)

An adverse effect was determined due to the potential demolition of NRHPeligible resources under some Alternatives.



Reber Radio Telescope

- Built by Grote Reber in 1937
- First parabolic antenna for radio astronomy
- Located at the entrance to GBO in 1959-60
- NRHP listed 1972
- National Historic Landmark 1986



Reber Radio Telescope at Green Bank, 1962 Image Used Courtesy of National Radio Astronomy Observatory



NRHP-Eligible Telescopes

Individually Significant









Images clockwise from top left: Green Bank Interferometer, 40-foot Telescope, GBT (2.3-acre collecting dish), 43-meter Telescope

- Built 1958 to 2000
- Associated with the early history of radio astronomy in the U.S. and subsequent discoveries
- Demonstrate significant engineering and design



GBO Historic District

Contributing Resources

- Built 1958 to 2000
- Associated with the early history of radio astronomy in the U.S. and subsequent discoveries.
- Collection of administrative structures, residential buildings, and radio astronomy equipment, includes several mid-19th to early 20th century dwellings.













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Images Left Row from Top: Calibration Horn, Ewen-Purcell Horn, Hannah House. Images Right Row from Top: Karl Guthe Jansky Replica Antenna, 45-foot Telescope, Administrative Building Type.



Draft Programmatic Agreement

- Purpose: to determine appropriate measures to cover a range of potential outcomes
- Contents:
 - Whereas Clauses
 - Stipulations- Preservation Principles
 - Stipulations- General Provisions
 - Signatory Pages



What's Next?

- 30-day public comment period (through July 14th)
- NSF to address comments in next version of PA
- Once finalized, NSF will distribute PA for signatures



Thank you for your participation!



Information and materials are posted at:

www.nsf.gov/AST

Click on "AST Facilities- Environmental Reviews"

NSF Point of Contact:

Ms. Elizabeth Pentecost, (703) 292-4907, epenteco@nsf.gov.