

# Research Support Facilities

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- Model for sustainable, high-performance building design
- Incorporates concepts of safe design into the planning, design, construction and operation of the facility
- Meets the requirements of the workforce of today and tomorrow while maximizing the total number of occupants
- Provides the lowest attainable energy use per square foot
- Designated to achieve a LEED® (Leadership in Environmental and Energy Design) Platinum designation — the highest benchmark awarded by the U.S. Green Building Council
- Expected completion: Summer 2010

# Research Support Facilities

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## Facility Features

- 218,000 sq. feet building with 2 wings:  
3 floors in south, 4 floors in north
- DOE-owned work space for up to 800 administrative staff currently in leased space
- Includes a Library, Fitness Center and Commons Area

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## Energy Features

- Daylighting
  - dramatically reduces energy use to approximately half the average energy used in a building this size to about 25kBTU per square foot annually
  - Reduces energy use to one tenth of average government building
- PV Roof - Power Purchase Agreement
- Natural ventilation
- Next generation, energy-efficient data center

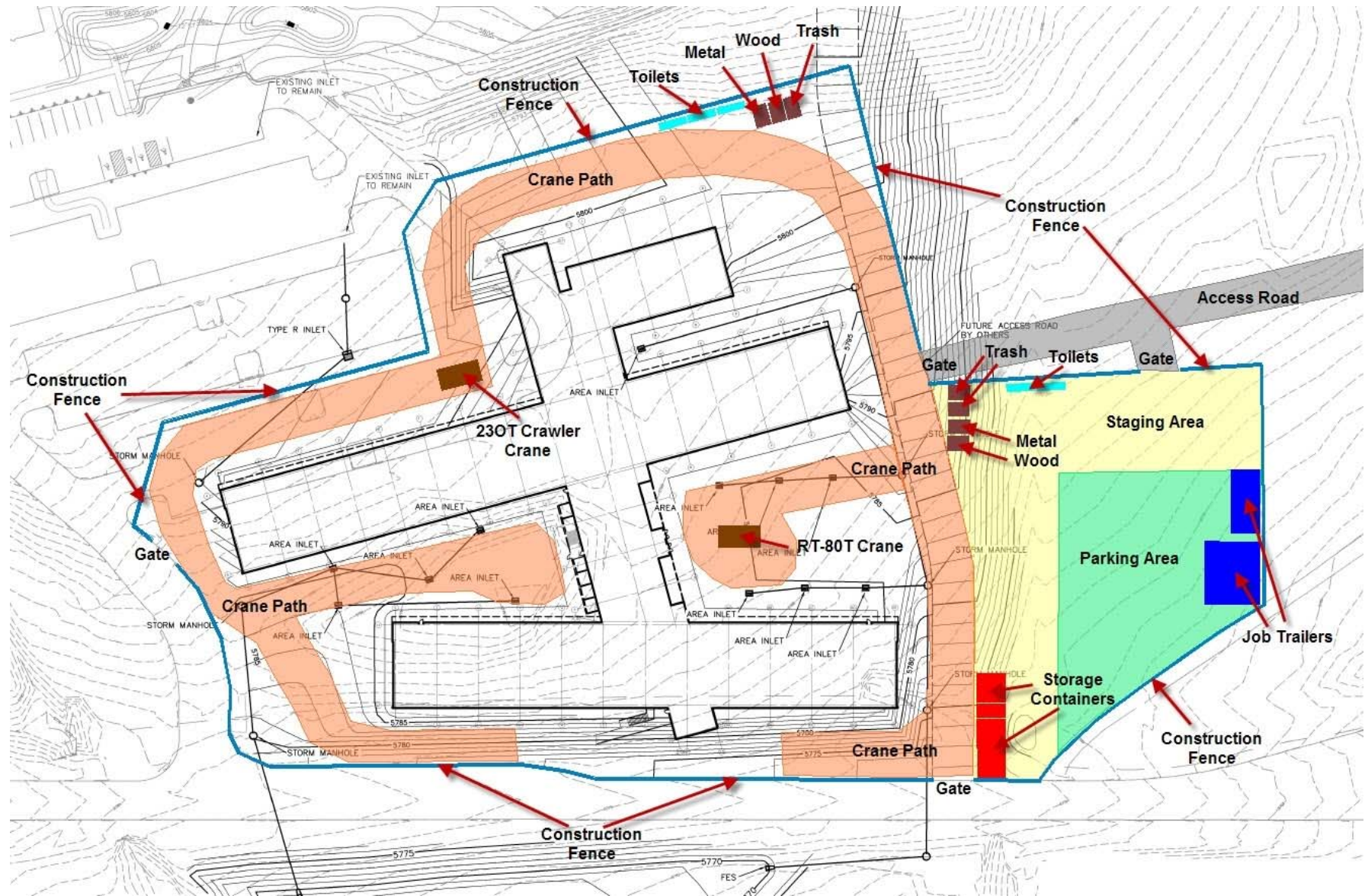
# What to Expect During Construction

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- Construction projects will begin this December/January
- Construction activities will take place primarily during daylight hours
- No weekend construction planned
- An access road will divert construction traffic away from the Visitor's Center and entry gate
- Expect typical construction activities

# RSF Site Logistics Plan



# NREL's Campus of the Future

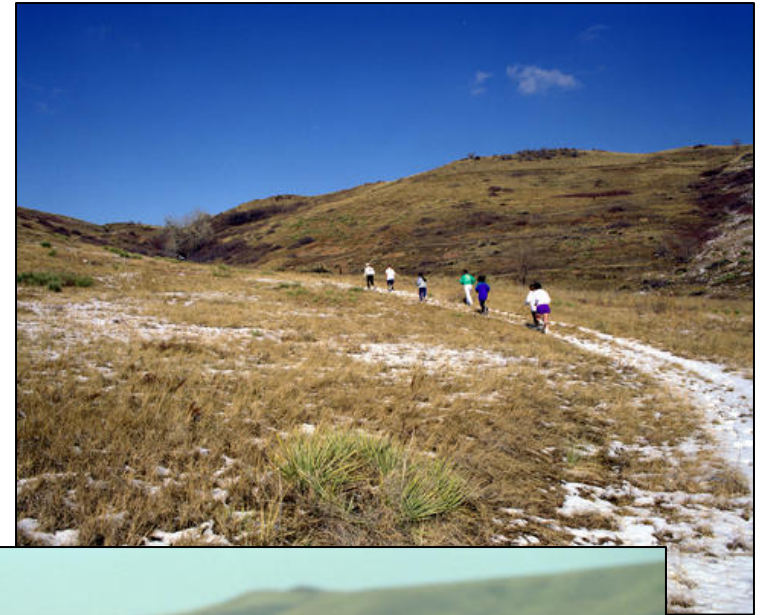
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- The leading efficiency and renewables research center in the world
- Sustainable energy showcase
- Designed to meet the nation's crucial research objectives for clean energy technologies
- Creating a sustainable energy future for not only our nation but the world



# Environmental & Traffic Impacts

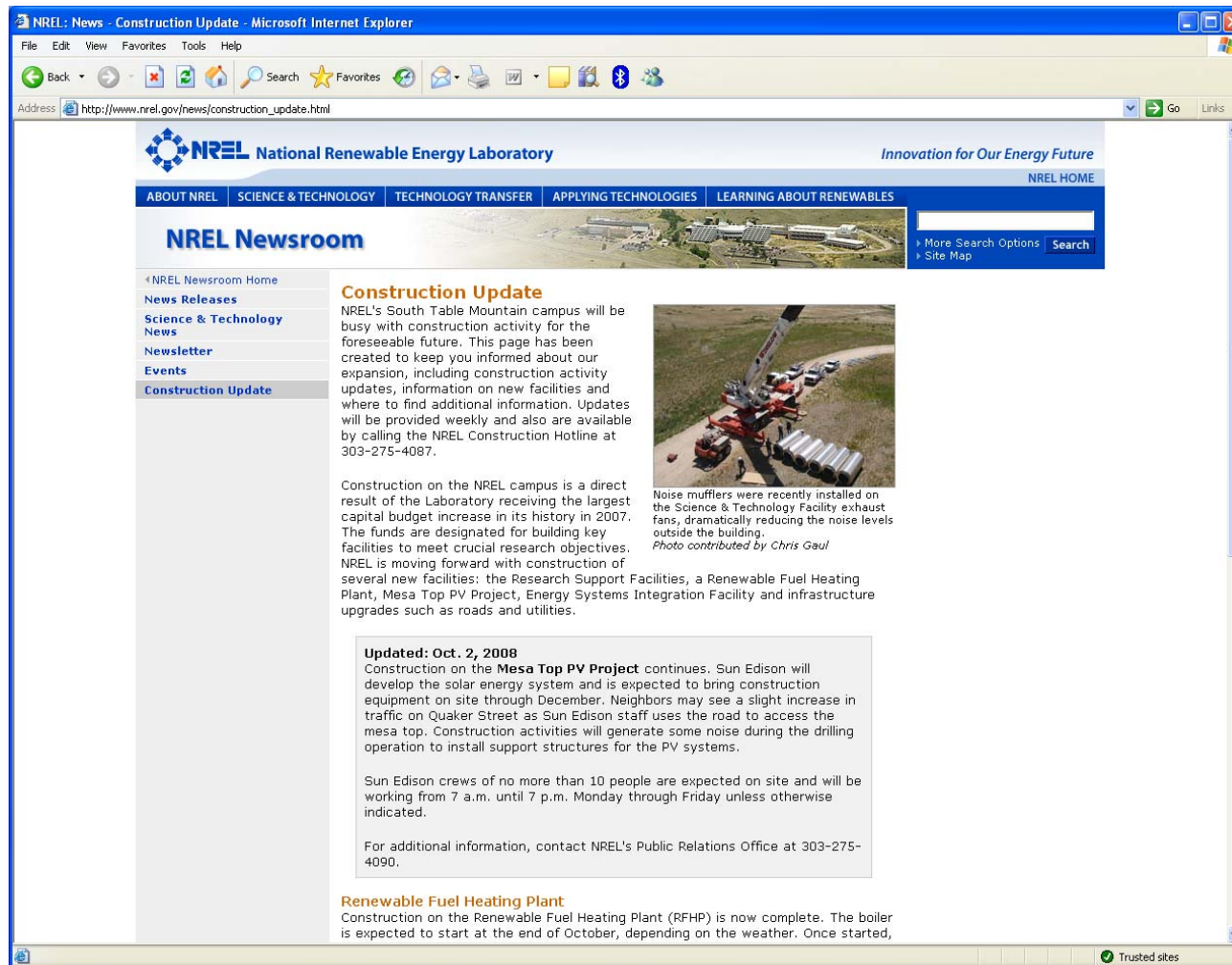
- Environmental Assessment complete and available to the public on *Environmental Protection* page: [www.nrel.gov](http://www.nrel.gov)
- Public policy, air quality, noise, soils, and sustainability issues and concerns addressed
- Traffic study completed, and mitigation strategies identified





# Construction Updates Available

Online: [www.nrel.gov/news/construction\\_update.html](http://www.nrel.gov/news/construction_update.html)  
By Phone: NREL Construction Hotline 303-275-4087



The screenshot shows a Microsoft Internet Explorer browser window displaying the NREL Newsroom page. The browser's address bar shows the URL [http://www.nrel.gov/news/construction\\_update.html](http://www.nrel.gov/news/construction_update.html). The page header features the NREL logo and the tagline "Innovation for Our Energy Future". A navigation menu includes links for "ABOUT NREL", "SCIENCE & TECHNOLOGY", "TECHNOLOGY TRANSFER", "APPLYING TECHNOLOGIES", "LEARNING ABOUT RENEWABLES", and "NREL HOME". The main content area is titled "NREL Newsroom" and features a "Construction Update" section. This section includes a photograph of construction equipment, a detailed text update dated October 2, 2008, and a section for the "Renewable Fuel Heating Plant".

**NREL Newsroom**

**Construction Update**

NREL's South Table Mountain campus will be busy with construction activity for the foreseeable future. This page has been created to keep you informed about our expansion, including construction activity updates, information on new facilities and where to find additional information. Updates will be provided weekly and also are available by calling the NREL Construction Hotline at 303-275-4087.

Construction on the NREL campus is a direct result of the Laboratory receiving the largest capital budget increase in its history in 2007. The funds are designated for building key facilities to meet crucial research objectives. NREL is moving forward with construction of several new facilities: the Research Support Facilities, a Renewable Fuel Heating Plant, Mesa Top PV Project, Energy Systems Integration Facility and infrastructure upgrades such as roads and utilities.

**Updated: Oct. 2, 2008**

Construction on the **Mesa Top PV Project** continues. Sun Edison will develop the solar energy system and is expected to bring construction equipment on site through December. Neighbors may see a slight increase in traffic on Quaker Street as Sun Edison staff uses the road to access the mesa top. Construction activities will generate some noise during the drilling operation to install support structures for the PV systems.

Sun Edison crews of no more than 10 people are expected on site and will be working from 7 a.m. until 7 p.m. Monday through Friday unless otherwise indicated.

For additional information, contact NREL's Public Relations Office at 303-275-4090.

**Renewable Fuel Heating Plant**

Construction on the Renewable Fuel Heating Plant (RFHP) is now complete. The boiler is expected to start at the end of October, depending on the weather. Once started,

# Questions?

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