



Tin *Mout*

Conservation

... your Natural Connection



— TMCC Nature Learning Center Capital Campaign Kick Off and Barn Dedication —

The public is cordially invited to the Tin Mountain Conservation Center Barn Dedication and Nature Learning Center Capital Campaign Kick Off. Please join us for the celebration on September 18th at 1 PM on the TMCC property off of Bald Hill Road in Albany.

Program schedule:

Capital Campaign Chairs Gene Bergoffen and Dixie Coleman will announce the Capital Campaign kick-off. Ribbon cutting followed by celebration remarks by Stoney Morrell, TMCC Capital Campaign, Community Advisory Chair.

Introduction to the Barn Project by:

Director, Michael Cline

Barn Restoration Project by:

Carpenters David Shed, David Condoulis and Nate Beaulieu.

Barn Dedication and Future Conservation Efforts by:

Doug Burnell, Chair Board of Trustees

Followed by:

music, refreshments and guided tours.

Directions: Going south on Route 16 from Conway take a right on Bald Hill Road (after the Kancamagus Highway) go for one mile you will see the barn on your left.

Directions: Going North Bald Hill Road is on the left (before the Kancamagus Highway) Go up the road one mile barn and land is on your left.

— Ham Foundation Challenges Tin Mountain —

The Kendal and Anna Ham Charitable Foundation have made a generous pledge of \$150,000 to the Capital Campaign for the new Tin Mountain Nature Learning Center in Albany. This leadership gift is contingent upon Tin Mountain raising \$900,000 by the end of September and the remainder of the \$1.5 million goal by the end of the year. This is a very steep challenge, but we believe we can attain it with the help of many friends and supporters. We greatly appreciate the confidence and support the Ham Foundation has shown for Tin Mountain.

The new nature learning center will provide a classroom/lab, nature science library, a great room for public gatherings, and staff office space. Existing programs that place Tin Mountain in local communities will continue unchanged; however, the center will provide many other new programming opportunities. The center will cost no more than \$1 million and a \$500,000 endowment will be established for maintaining the facility.



— Trail System Started on Bald Hill Property —

The existing trail system on the Bald Hill property, including a small section maintained for cross-country skiing by the Darby Field Inn, covers only a small percentage of the land. During the past several months, new trails have been established and others marked for consideration. One trail leads to the abandoned granite quarry in the far southeast corner of the property and follows close to the southern boundary to another very small quarrying area before heading back to the main trails. Much of the clearing of

that trail was conducted during one of the annual trail work days at summer camp this year.

Eventually, the trail network will cover much of the property with a boardwalk planned for the north end of the pond. The boardwalk will allow for excellent access to the wetlands for programs and classes with little disturbance resulting from pedestrian traffic. A wildlife viewing station is also planned for the area near the boardwalk.

— Nature Learning Center to Feature Solar Technologies —

Tin Mountain's new nature learning center on Bald Hill will incorporate state of the art active and passive solar technology that will reduce most of its demand on fossil fuels and provide a practical application that the public can access when considering other potential applications in the northeast. The solar thermal application will provide hot water for radiant heat from roof-mounted solar collectors and a large water reservoir. A heat exchanger will be used for backup heat and to augment the solar thermal during extremely cold or cloudy periods of the winter.

In addition to solar thermal, the facility will employ roof-mounted solar photovoltaic (PV) panels to generate electricity. Although the center will receive electric power from the grid, electricity generated from the PV panels will be sold to Public Service of New Hampshire; in a sense "banking" the electrical power generated with the power company. For example, excess power generated by PV on long summer days when the sun is high in the sky and

energy demand at the center is low will be credited to Tin Mountain and will offset higher demand in the winter when solar generating potential is lower.

Since conservation is prerequisite to any energy application, the new center will incorporate many energy saving features. Besides a very tight building envelope and super-insulation, energy-efficient windows, air-intake heat exchanger, entrance vestibules, and many other features will be included. In addition, other design features will be incorporated to keep the center cool during hot summer days.

Solar Design Associates, who have decades of experience in solar power in the northeast, are developing the plans with the architects and construction manager. An anonymous donor generously has offered to cover the expenses associated with solar energy and in making the facility a solar demonstration.

— Barn Restoration Completed —



The barn restoration on the Bald Hill property has been completed and is a show place of local craftsmanship. The skill of the original builder, Square Stephen Allard, demonstrated nearly 200 years ago was augmented and often surpassed by our local team of David Shedd, David Condoulis, and Nate Beaulieu. All of the long floor stringers and joists were hand fashioned from locally cut timber, most donated from lands owned by neighbors Kim and Beth Thomas.

As much of the original materials as possible were used in the restoration, including all of the siding on the west wall, the inside layer on the north wall, and most of the tie-up area inside. Nearly all of the posts and beams are original as well as the roof sheathing and the wooden shingle roof retained beneath the new metal roof. Most of the new wood used on the project was sawn on site using a portable sawmill. Many of the resulting boards are nearly 24 inches wide (available only through custom sawing) and fit well with materials available at the time of the barn's original construction.

The sliding doors have been replaced with hinged doors similar to the original design, and they have been fitted with several of the original wrought iron hinges found on the old doors that long ago were stashed inside the barn. The rubble stone foundation has been replaced with large split-granite piers that were cut by the crew on the Thomas property using the pin and feather splitting technique.

The barn will be used eventually for storage and seasonal program space.

— Capital Campaign Volunteers Are Welcome! —

The Tin Mountain Conservation Center Capital Campaign Committee members, Board of Trustees and staff are made up of individuals committed to the Tin Mountain's mission "to promote an appreciation of the environment in children, adults and families through hands-on programs". If you share a similar passion and would like to help with the

TMCC Capital Campaign, you are welcome to join us in our efforts. Please contact Michael Cline, Executive Director or Donna Dolan, PR/Communications at 603-447-6991 for further information. We will be happy to welcome you on board.