

Cooling Tower 101: Everything You Ever Wanted to Know About Our New Cooling Tower But Were Afraid to Ask

WHO: Who will benefit from the new cooling tower? The entire congregation will benefit from a more reliable and more energy efficient air conditioning system. CSAIR has five separate and distinct air conditioning systems for different parts of the building but without an operating cooling tower, none of them can work.

WHO: Who will do the work? We solicited bids from several vendors and the low bidder has been awarded the contract, after review and approval by the board of trustees. The cost for this work is projected to be \$25,000.

WHAT: What exactly is a cooling tower? A cooling tower is a critical component of the air conditioning system. Just like the radiator in your car which prevents your car from over-heating, the cooling tower cools the equipment by dissipating the heat generated by the other components of the air conditioning system. If the cooling tower fails, there can be **NO** air conditioning in any part of our building.

WHERE: Where is the cooling tower? Very few people would ever have the occasion to notice the cooling tower. It is the large, galvanized steel structure located behind the synagogue in a wooded area adjacent to the parking lot, right behind the kitchen.

WHEN: When do we need to replace the cooling tower? We need to replace our existing cooling tower immediately. With the warmer months fast approaching, we want to avoid the possibility that the air conditioning system might fail at any time.

WHY: Why do we need to replace the cooling tower? The existing cooling tower was installed in 1993 -- 17 years ago! It has reached the end of its useful life and is rusting through. We've repaired it many times over the past few years but it has now reached the point where repairs are no longer feasible.

WHY: Why should we do this work? Didn't we replace some part of the air conditioning system only a couple of years ago? It's true. A couple of years ago, we replaced the compressors and condensers for the air conditioning unit that cools the Sanctuary. But that project was not related to the cooling tower. Remember, the parts of the system that we did replace cool the air; the cooling tower helps to cool the machinery which cools the air.

HOW: How can you help? You can help by contributing generously to the 2010 Phonathon. The cost for this project -- **\$25,000** -- is an extremely large amount for the shul. Your contribution is vitally important to our efforts to maintaining our building physically while we seek to enhance our lives spiritually. Please contribute generously when our Phonathon representative calls! Thank you.



Study. Prayer. Community.