

Public Building Commission
March 13, 2012 – 6:30 pm
Pool Dehumidification Project
Room 207, Town Hall

Members Present: Mr. Vin Robitaille, Subcommittee Chairman
Mr. Ron Palumbo, Subcommittee Co-Chairman
Mr. John Purtill, Chairman PBC

User Members Present: Mr. Bill Kunde, User Member
Mr. Dave Gavin, Energy Commission
Mr. Mike O'Donnell, Park & Rec Commission
Mr. Walt Gayeski, Energy Commission

Others Present: Mr. Lew Cohen, Town Resident
Mr. Denis Rioux, BL Companies
Mr. George Noewatne, Public Works
Mrs. Sheila Adams, Community Pool Director

The Chair called the meeting to order at 6:30p.m. Roll was called and a quorum determined.

John Purtill checked the daily historic relative humidity levels for Hartford, most days it is below 60%. These levels will work well for the non-compressor option being considered.

Lew Cohen stated the equipment is typically sized for 5% failure (approximately 80 hours per year equipment won't meet design criteria).

Six (6) air changes per hour is required by the code.

Lew Cohen referenced calculations/justification on email (attached). The Energy Commission will desire air-to-air heat exchange.

Estimated cost of appropriately sized dehumidification unit is approximately \$40,000. Payback is typically 2-3 years. Lew will size this unit as appropriate for the conditions.

There are two or three big meets a year under the bubble. The number of people at these meets make a significant contribution to the environment within the bubble.

Inflation pressure dictates that the bubble vents be kept open to let the system reach equilibrium. The Arizona design necessitates this be done. Denis recommends we do not change the way Arizona designed the inflation of the bubble.

Mold issues

Will get condensation on the interior bubble fabric at times, but mold is not a major concern at present.

Pool Cover

Another possibility to reduce the humidity is to cover the pool each night. Cost is estimated \$120,000-\$150,000.

Night time HVAC setbacks could save enough money to make a cover not necessary.

Next steps:

1. Request modification to code to allow 9,500 cfm of outside air from the Arizona unit to inflate the bubble.
2. Formalize design – BL to submit proposal for April 4, 2012 PBC meeting
3. Design approval by subcommittee
4. Design approval by PBC
5. Design approval/funding by Town Council
6. Negotiate price with selected vendor

Equipment is 6-8 weeks lead time for delivery

Motion: Subcommittee approves design concept as described by Lew Cohen. Motion made by Mr. Gavin. Seconded by Mr. Kunde and passed unanimously.

Motion: Have BL Companies submit a proposal for the design of a dehumidification unit. Motion by Mr. Robitaille. Seconded by Mr. Palumbo. Passed unanimously.

Motion: To adjourn meeting at 7:50 pm. Motion made by Mr. Palumbo. Seconded by Mr. Robitaille. All in favor.

Next subcommittee meeting to be announced. This matter will also be discussed at the next scheduled PBC meeting on April 4, 2012 at 7:00pm

Submitted by:

George Noewatne