2016 CITATION

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LYCEUM
A traveling fellowship in Architecture
Olympic Stadium Proposal

Boston 2024
Record breaking snowfall!

Boston gets 110 inches snow!!

Last trace of Boston snow pile finally melts away

Mayor Martin Walsh said Tuesday that the lower half of the pile was a reminder of the city’s record-breaking winter. In no way...

The Olympic stadium is a H2O energy system that will address Boston’s snow storage crisis. By using the snow for air conditioning and melted snow for hydroelectric energy it will create a self sustaining facility which will support the idea of eliminating, “wasteful single serving Olympic Architecture.”
Snow Farm

+ Snow for air conditioning
   Outside air loses heat from contact with the snow-cooled liquid. The cool liquid picks up heat from the outside air then flows through the snow again to re-cool.

+ The snow gains heat and the water begins its descent to be used to create hydroelectric energy. This small scale hydroelectric plant demonstrates how it can be used for small scale energy production.

+ Additional water is used in plumbing, water walls/ponds and irrigation of vegetative walls which blossom in the spring, summer, and fall.
+ **solar blanket** to insulate snow

+ **solar skin** to shelter spectators

+ **snow farm** holds a volume of 200,000,000 m³ of snow at capacity
+ **hydroelectric plant** uses gravity fed liquid produced from melted snow

+ **vegetative wall** as cultivation center for plants in spring, summer, and fall

+ **Olympic stadium**
+ **water wall** utilizes water from the hydroelectric plant for vegetation cultivation, gardens, and ponds

+ Boston had 110 inches of snow in 2015.
+ 110 inches of snow in one square mile would have a volume of ~ 70,400,000 m³
+ stadium can hold over 200,000,000 m³ of snow at capacity