

**RECEIVED**

By Town Clerk's Office at 3:15 pm, Nov 16, 2023



**MEETING NOTES**

The Sustainability Working Group is voluntarily making this meeting and minutes public even though it is not a public body covered by the Open Meeting Law and does not waive its position in this regard.

Project: Fox Hill Elementary School  
Subject: Sustainability Working Group  
Location: Zoom Conference Call  
Distribution: Attendees, Project File

Project No:  
Meeting Date: 11/15/2023  
Time: 9:00 AM  
Prepared By: A. Place

| Present | Name              | Affiliation            | Present | Name                  | Affiliation        |
|---------|-------------------|------------------------|---------|-----------------------|--------------------|
|         | Melissa Massardo* | SBC Chair              | ✓       | Mike Burton           | DWMP               |
| ✓       | Bob Cunha*        | Director of Operations | ✓       | Christina Dell Angelo | DWMP               |
|         | Nicole Coscia*    | Business Manager       | ✓       | Mike Cox              | DWMP               |
| ✓       | Martha Simon*     | SBC Member             | ✓       | Steve Brown           | DWMP               |
| ✓       | Roger Riggs       | SBC Member             | ✓       | Aidan Place           | DWMP               |
| ✓       | George Papayannis | SBC Member             | ✓       | Donna DiNisco         | DiNisco Design     |
|         |                   |                        | ✓       | Vivian Low            | DiNisco Design     |
| ✓       | Shari Ellis       |                        | ✓       | Neil Harrigan         | DiNisco Design     |
| ✓       | John Trombetta    |                        |         |                       |                    |
|         | Ed Parsons        |                        |         |                       |                    |
|         | Ed Dube           |                        |         |                       |                    |
|         | Mimi Bix-Hylan    |                        |         | Trevor Magee          | Eversource         |
| ✓       | Kevin Murphy      | Thompson Engin.        |         | Irmak Turan           | Thornton Tomasetti |
| ✓       | Jared Humphreys   | VAV International      | ✓       | Alejandra Menchaca    | AIRLIT Studio      |
| ✓       | Semoon Oh         | VAV International      | ✓       | Rebecca Rahmlow       | Thornton Tomasetti |
|         |                   |                        | ✓       | Lam Pang              | Thornton Tomasetti |
|         |                   |                        | ✓       | Zi Wang               |                    |
|         |                   |                        |         | J. Merry              |                    |
|         |                   |                        |         | R. Leonardo           |                    |

\* SBC Voting Member

| Item No. | Description  | Action |
|----------|--|--------|
| 1.1      | <b>Intro:</b> 9:00 am meeting started with 2 of 4 voting members in attendance.  |        |
| 1.2      | <p><b>Life Cycle Cost Analysis Review:</b></p> <ul style="list-style-type: none"> <li>➤ Energy Goals           <ul style="list-style-type: none"> <li>○ Net Zero Energy</li> <li>○ MA Energy Code</li> <li>○ Mass Save Incentives</li> <li>○ MSBA Green Schools Program</li> </ul> </li> <li>➤ Energy Model Inputs           <ul style="list-style-type: none"> <li>○ Setpoints</li> <li>○ Ventilation Control</li> </ul> </li> <li>➤ Mechanical Options Studied           <ul style="list-style-type: none"> <li>○ VAV Gas</li> <li>○ VRF</li> <li>○ ASHP+FCU</li> <li>○ GSHP+ACB</li> <li>○ GSHP+FCU</li> <li>○ GSHP+DV</li> <li>○ GSHP+VRF</li> </ul> </li> <li>➤ Energy Use Intensity Results           <ul style="list-style-type: none"> <li>○ VAV Gas – 30.6 EUI</li> <li>○ VRF – 25.3 EUI</li> <li>○ ASHP+FCU – 24.5 EUI</li> <li>○ GSHP+ACB – 23.2 EUI</li> <li>○ GSHP+FCU – 23.3 EUI</li> <li>○ GSHP+DV – 24.1 EUI</li> <li>○ GSHP+VRF – 22.1 EUI</li> </ul> </li> <li>➤ LCCA Assumptions           <ul style="list-style-type: none"> <li>○ Study period: 50 years</li> <li>○ Escalation Rate: 5.5%</li> <li>○ Discount Rate: 3.8%</li> <li>○ GSHP well life of 50 years</li> </ul> </li> <li>➤ LCCA Summary</li> </ul> |        |
| 1.3      | <p><b>Next Meetings:</b></p> <ul style="list-style-type: none"> <li>➤ To be scheduled.</li> </ul>  |        |
| 1.4      | <b>Close:</b> 10:55 am meeting ended   |        |

Project: Fox Hill Elementary School  
Meeting: Sustainability Working Group  
Meeting - 11/15/23  
Page: 3

Sincerely,

**DORE + WHITTIER**

Aidan Place

Assistant Project Manager

Cc: Attendees, File