Hilary Ego, SMCCCD
David Liebman, SCJCD
Community Colleges provide affordable and accessible education + Facilities = Sustainability and Campus as a Living Lab activities
To learn more, attend “Campus as a Living Lab: How Facilities and Faculty Partnerships Empower and Engage Students” tomorrow!
Located in Buchanan 1920 at 3:15 PM
Yes

No

Sometimes

Stop “vampire power” and save energy. Unplug devices when not in use.
I hadn’t thought about it before.

Bar chart showing:
- Yes: 28.20%
- No: 15.40%
- I hadn’t thought about it before: 48.50%
Sonoma Example

Facilities Sustainability Internship

• 3-10 hours a week volunteer internship
• 1-2 hours a week of Curriculum about Facilities Operation (as a field of work and sustainability)
• Gears their interest into a project that’s helps sustainability at the college.
Examples: Mike Scharf (Business Student)

• Passionate about water and athletics
• Gather funds and coordinated install of water bottle filling station for Tauzer Gym).
Examples Jake Ethington (Engineering Student)

- Wants to be a Mechanical Engineer and likes Photovoltaic Systems.
- Calculated the amount of Solar the District would need once it reached an EUI of 28

<table>
<thead>
<tr>
<th>Site</th>
<th>Square Footage</th>
<th>15-16 Year Energy Usage</th>
<th>Solar Generated EUI</th>
<th>Current PV Usage</th>
<th>Current PV Usage EUI (includes solar)</th>
<th>Percent solar generated</th>
<th>EUI Goal 2030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Rosa Campus</td>
<td>1,311,771</td>
<td>79507</td>
<td>1072334</td>
<td>60.61</td>
<td>61.4</td>
<td>1.35%</td>
<td>28</td>
</tr>
<tr>
<td>Petaluma Campus</td>
<td>205,360</td>
<td>16397</td>
<td>0</td>
<td>61.79</td>
<td>79.8</td>
<td>0.00%</td>
<td>28</td>
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<tr>
<td>PSTC</td>
<td>88,888</td>
<td>2542</td>
<td>1229685</td>
<td>26</td>
<td>42.4</td>
<td>48.37%</td>
<td>20</td>
</tr>
<tr>
<td>Shone Farm</td>
<td>75,866</td>
<td>1045</td>
<td>0</td>
<td>9.9</td>
<td>13.8</td>
<td>0.00%</td>
<td>9</td>
</tr>
<tr>
<td>District-Wide 1,681,885</td>
<td>99491</td>
<td>2302019</td>
<td></td>
<td>60.5</td>
<td></td>
<td>2.31%</td>
<td>27</td>
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<tr>
<td>District-Wide 2024 (assuming a set EUI and % solar generation)</td>
<td>1833255</td>
<td>35827</td>
<td>5250000</td>
<td>17913748</td>
<td></td>
<td>50%</td>
<td>35</td>
</tr>
<tr>
<td>District Wide 2030 (assuming a set EUI and % solar generation)</td>
<td>19846244</td>
<td>53585</td>
<td>15704167</td>
<td>53584856</td>
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<td>100%</td>
<td>27</td>
</tr>
</tbody>
</table>