## PROJECT FACT SHEET:
Omega Center for Sustainable Living (OCSL)

### 2009–2019 Accomplishments

<table>
<thead>
<tr>
<th>Accomplishment</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste water reclaimed</td>
<td>45,000,000 gallons</td>
</tr>
<tr>
<td>Carbon dioxide (CO2) saved</td>
<td>867,000 lbs.</td>
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<tr>
<td>Energy produced via solar panels</td>
<td>510,000 kWh.</td>
</tr>
<tr>
<td>Took an OCSL building tour</td>
<td>45,000 people</td>
</tr>
<tr>
<td>Energy used from the grid</td>
<td>Net Zero kWh.</td>
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</tbody>
</table>

<table>
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<tr>
<th>Sustainability Metrics</th>
</tr>
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<td>Building Sq. Ft.</td>
</tr>
<tr>
<td>Site Acreage</td>
</tr>
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</table>

### Water Reclamation Capacity
- Maximum Design Flow: 52,000 gallons per day (GPD)
- Measured Maximum Flow: 38,000 gallons per day (GPD)

### Sustainability Metrics
- The project is certified as LEED Platinum and has earned ‘living’ status in Living Building Challenge™ 1.3.

### Embodied CO2
- -1,387 metric tons (+/- 25%)
  (Estimated using buildcarbonneutral.com)

Embodied carbon is the carbon released when a product is manufactured, shipped to a project site and installed. The new wetlands plant area greatly offset the embodied CO2 of the construction project, which resulted in a negative number.

The Construction Carbon Calculator estimates embodied carbon. This calculator looks at an entire project and takes into account the site disturbance, landscape and ecosystem installation or restoration, building size, and base materials of construction.

### Rainwater Use for Toilet Flushing
- 40 gallons. Average Daily Demand
- 1,800 gallon cistern stores enough water for 45 days

### Generation Capacity (Electricity)
- 2,830 sq. ft. of photovoltaic panels, 211 panels in 3 arrays
- 134.2 Kw/day (48.53 Kw/hour max output)

### Electricity Demand
- 132.77 Kw/day (average)

### Electricity Usage
- -1.43 Kw/day (average) – the building is designed to generate more electricity than it uses
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Material Sourcing (based on Living Building Challenge)

More info at: eOmega.org/ocsl & issuu.com/bnim/docs/bnim_flow

Wood Sourcing
All wood is either from FSC Certified Forest sources or reclaimed sources. Plywood roof and wall sheathing was reclaimed from the 2009 Presidential Inaugural Stage. Framing lumber was reclaimed from several deconstructed buildings in New York State.

Reclaimed Wood
1,198 cu. ft. Volume
52,703 lbs. Weight (plywood, framing lumber, siding, doors, trim, paneling)

FSC Certified Wood
111 cu. ft. Volume
3660 lbs. Weight (windows, exterior doors, glu-lam structure, roof sheathing)

Construction Waste Recycling and Diversion (from landfill)

99% of metal scraps recycled
99% of cardboard scraps and waste recycled
99% of rigid foam waste was reused elsewhere or recovered
99% of wood waste was shredded for mulch or stored for future use
100% of food waste was composted
100% of glass waste, paper, and plastic packaging waste was recycled.

Red Materials Avoided (based on list from the Living Building Challenge)
Cadmium, Chlorinated Polyethylene and Chlorosulfonated Polyethylene, Chlorofluorocarbons (CFCs), Chloroprene (Neoprene), Formaldehyde (added), Halogenated Flame Retardants, Hydrochlorofluorocarbons (HCFCs), Lead, Mercury, Petrochemical Fertilizers and Pesticides, Phthalates, Polyvinyl Chloride (PVC), Wood Treatments containing Creosote, Arsenic or Pentachlorophenol

Project Team
Owner: Omega Institute
Architect: BNIM Architects, Steve McDowell, Laura Lesniewski, Brad Clark, Sarah Hirsch, Ramana Koti
Civil Engineer: Chazen Companies, Jim Beninati
Construction: David Sember Construction, David Sember
Ecological Design: John Todd Ecological Design, Dr. John Todd, Chloe Starr, Conor Lally, Kim Robinson, Jonathan Todd
Landscape Architect: Conservation Design Forum, David Yocca, Tom Price, Gerould Wilhelm, Trish Beckjord, Jason Addington
Mechanical/Electrical/Plumbing Engineer: BGR Engineers, Katrina Gerber, Erin Zirjacks, Jim Basquette
Structural Engineer: Tipping Mar + associates, David Mar, Marc Steyer