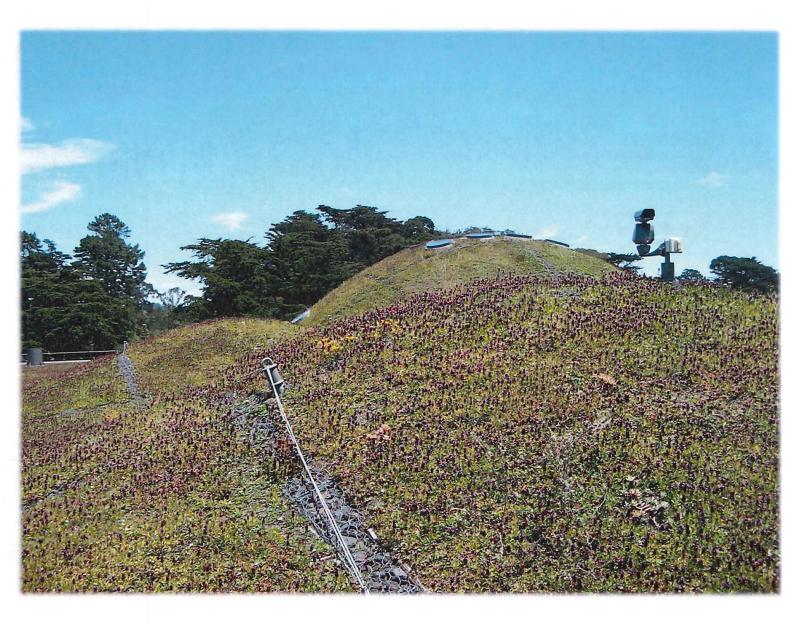








- Interaction with Human Scale.
- Native plants
- Food and habitat for birds, bees, butterflies, and other beneficial animals
- Most dense concentration of wild flowers in San Francisco.



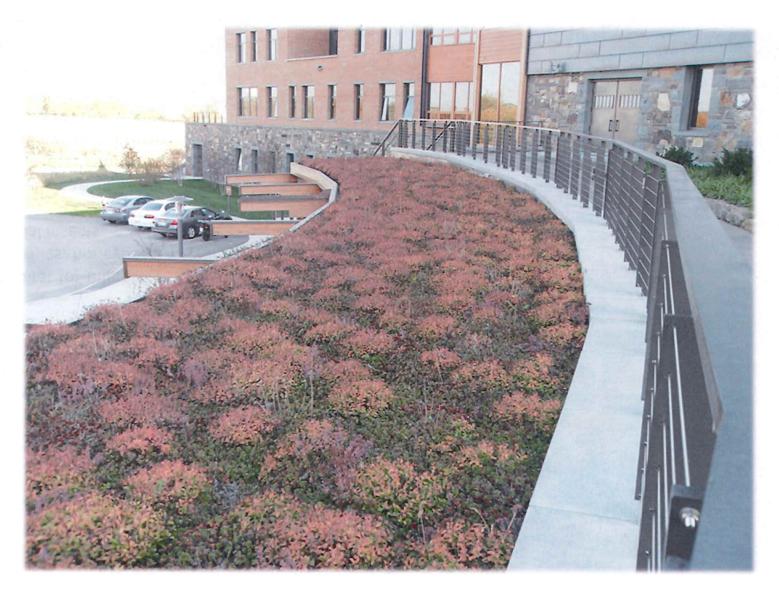




- Interaction with human scale
- Variety of plant species (Sedum shown in the canopy roof example on next slide)









CHICAGO

- Interactive with Human Scale, intended to serve as example for home gardeners.
- Native Plants.
- Healthy habitat for migratory birds, butterflies, honeybees, and beneficial insects.
- Urban model of responsible horticulture, the emphasis on sustainability also brings practical rewards: the longlife and hardiness of the garden's plants help ensure that maintenance does not become too costly.





## Summer Beauty Allium

- 16 to 20" tall allium
- Summer 2" globe-shaped lavender-pink flowers top the strappy bright green foliage.
- Fall Reddish stems and yellow fall color.
- Winter dried flowers can remain intact for a bit of winterinterest
- Drought and heat tolerant
- · Attract honey bees and butterflies.





## The Blues Little Bluestem

- Deciduous, clumping grass
- Summer blue-green foliage
- Fall bronze to flaming orange in the fall.
- Flower spikes emerge above the foliage, displaying fluffy seed heads that persist into fall



## AC Hotel Madison Green Roof

|            | Original Concept  | Proposed Design  |
|------------|---|--|
| Green Roof | Blue or Green Roof  | Green Roof   |
| Design     | Sedum   | <ul><li>Native Plants including:</li><li>292 Little Bluestem</li><li>204 Summer Beauty Allium</li></ul>  |
| Area       | 1220 SF Sedum (limited visibility) Approx. 2000 SF Non-Visible Sedum    | 1220 SF Visible Native Species   |
| Cost       |   | \$21,674 ADD   |
| Benefits   | <ul> <li>Low Cost</li> <li>Attracts Butterflies and insects.</li> </ul> | <ul> <li>Visible Human Scale<br/>Interaction</li> <li>Aesthetic Interest</li> <li>Habitat for Honey Bees,<br/>Butterflies, Migratory Birds,<br/>and beneficial insects.</li> </ul> |

## AC Hotel Madison Other Sustainable Features Focus on Energy Findings

| Strategy Description                               | How does this strategy save energy?   | Annual<br>Energy<br>Savings |
|--|---|-----------------------------|
| Carbon monoxide sensor control of garage vent fans | Garage fan energy is reduced by cycling fans off when<br>carbon monoxide levels are low       | \$20,598                    |
| Lowest wattage lighting design                     | Lighting wattage is saved by reducing light level or<br>increasing lighting system efficiency | \$14,555                    |
| Occupancy sensor control of<br>lighting            | Lighting energy is saved by turning lights off when applicable spaces are empty               | \$7,720                     |
| Best Fenestration                                  | Heating and cooling load is reduced by improved window characteristics                        | \$4,360                     |
| Dimming daylighting                                | Lighting energy is saved by dimming lights automatically in response to daylight              | \$3,279                     |
| Fan system power at 0.66 bhp/1000 cfm              | Building fans energy is reduced relative to maximum allowed by Appendix G                     | \$3,253                     |
| 95% service water heating efficiency               | SWH energy is reduced by increasing system efficiency   | \$3,078                     |
| DX cooling, 20% increased EER,<br>RTAC 1,2         | Cooling energy is reduced by an increased system efficiency                                   | \$841                       |
| Max envelope                                       | Heating and cooling load is reduced by increasing insulation levels                           | \$576                       |
| DX cooling, 23.5% increased EER,<br>RTAC 3         | Cooling energy is reduced by use of evaporative condenser and increased efficiency            | \$532                       |