



**Community Development Department**

23 Russell Boulevard-Davis, California 95616  
530/757-5610 Fax: 530/757-5660 TDD: 530/757-5666

## GREEN POINTS CHECKLIST

The objective of green building is to design and construct buildings that are environmentally sound, energy efficient, and provide a healthy environment for the occupants. The City of Davis is promoting green building within the city by implementing policies that support and are consistent with green building practices. In order to encourage green building the city is requiring that a Green Points Checklist be included with every residential remodel, addition, new home or multi-family project submitted for permit. At this time there is no minimum point threshold that needs to be achieved. The only requirement is that the checklist be included with the plans. Compliance is voluntary. The city is using the checklist as a simple way to raise awareness and provide information to the public about green building practices and benefits.

Residential construction continues to result in significant impacts on energy consumption, waste generation, water use and consumption of natural resources for construction materials. (The following statistics are provided by "Build It Green")

- In 2003 construction investment in California for new residential was \$34 billion
- In order to meet expected California population growth, approximately 3.3 million homes need to be added by 2020.
- The residential sector uses 31% of electricity consumed in the state.
- A 2,000 square foot home: requires 15,000 board feet lumber and generates 3 to 5 tons waste.
- Residences use 5.6 million acre-feet of applied water annually.
- Americans spend on average 90% of their time indoors. Many common building products used in housing construction emit chemicals known to have adverse health impacts.

An effective way to reduce these impacts is by incorporating green building measures in projects. Direct financial benefits can be realized from building green in the form of lower energy and water consumption. Indirect benefits include improved health for occupants and protection of natural resources.

# Green Points Rating System for Remodeling Projects

25 measures have been highlighted to signify that every effort should be made to incorporate them into your projects. These items have been chosen based upon their impact on the environment and the health of the home in coordination with ease of implementation and relative low cost. These measures can be used as a starting point for "greening" your project.

		Resources	Energy	IAQ/Health
<b>A. Address</b>		Permit #		
1. Recycle Job Site Construction & Demolition Waste 65% = 1 point; 75% = 2 points; 80% = 4 points	up to 4 Resource pts			
2. Salvage Reusable Building Materials	4 Resource pts			
3. Remodel for Mixed Use, Adaptive Reuse, and Historic Preservation	4 Resource pts			
4. Protect Native Soil	2 Resource pts			
5. Minimize Disruption of Existing Plants & Trees	1 Resource pt			
6. Implement Construction Site Stormwater Practices	2 Resource pts			
7. Protect Water Quality with Landscape Design	2 Resource pts			
8. Design Resource-Efficient Landscapes and Gardens	4 Resource pts			
9. Reuse Materials/Use Recycled Content Materials for Landscape Areas	2 Resource pts			
10. Install High-Efficiency Irrigation Systems	2 Resource pts			
11. Provide for On-Site Water Catchment / Retention	2 Resource pts			
<b>B. Foundation</b>				
1. Incorporate Recycled Flyash in Concrete 25% Recycled Flyash = 2 points; Add 1 point for every 10% increase of flyash, up to 5 points	up to 5 Resource pts			
2. Use Recycled Content Aggregate	2 Resource pts			
3. Insulate Foundation/Slab before backfill	3 Energy pts			
<b>C. Structural Frame</b>				
1. Substitute Solid Sawn Lumber with Engineered Lumber	3 Resource pts			
2. Use FSC Certified Wood for framing (For every 10% of FSC lumber used = 2 points, up to 10)	up to 10 Resource pts.			
3. Use Wood I-Joists for Floors and Ceilings	2 Resource pts			
4. Use Web Floor Trusses	2 Resource pts			
5. Design Energy Heels on Trusses 6" or more	2 Energy pts			
6. Use Finger-Jointed Studs for Vertical Applications	2 Resource pts			
7. Use Engineered Studs for Vertical Applications	2 Resource pts			
8. Use Recycled Content Steel Studs for Interior Framing	2 Resource pts			
9. Use Structural Insulated Panels (SIPs)				
a. Floors	3 Energy pts			
b. Wall	3 Energy pts			
c. Roof	3 Energy pts			
10. Apply Advanced Framing Techniques	4 Resource pts			
11. Use Reclaimed Lumber for Non Structural Applications	3 Resource pts			
12. Use OSB				
a. Subfloors	1 Resource pt			
b. Sheathing	1 Resource pt			





